

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
 Data File : BP014970.D  
 Acq On : 05 May 2023 01:01  
 Operator : CG/JU  
 Sample : 02479-03  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EW944

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Signal : TIC: BP014970.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         | 3.464       | 9             | 13          | 23           | rVB      | 43837          | 66651         | 2.15%           | 0.129%        |
| 2         | 3.917       | 86            | 90          | 91           | rBV      | 28794          | 31989         | 1.03%           | 0.062%        |
| 3         | 4.017       | 103           | 107         | 115          | rVB      | 171493         | 223571        | 7.20%           | 0.431%        |
| 4         | 4.093       | 117           | 120         | 125          | rVV      | 22145          | 30822         | 0.99%           | 0.059%        |
| 5         | 4.146       | 125           | 129         | 136          | rVB      | 34372          | 55131         | 1.78%           | 0.106%        |
| 6         | 4.246       | 142           | 146         | 152          | rVB      | 23637          | 34212         | 1.10%           | 0.066%        |
| 7         | 4.634       | 209           | 212         | 218          | rVB6     | 14381          | 21396         | 0.69%           | 0.041%        |
| 8         | 4.828       | 242           | 245         | 250          | rVB      | 19240          | 25817         | 0.83%           | 0.050%        |
| 9         | 5.199       | 303           | 308         | 316          | rVB      | 22247          | 35507         | 1.14%           | 0.068%        |
| 10        | 5.299       | 321           | 325         | 331          | rVB      | 27053          | 40822         | 1.32%           | 0.079%        |
| 11        | 5.822       | 409           | 414         | 419          | rVB      | 23435          | 35331         | 1.14%           | 0.068%        |
| 12        | 6.117       | 458           | 464         | 473          | rBV4     | 10124          | 22799         | 0.73%           | 0.044%        |
| 13        | 7.317       | 655           | 668         | 679          | rBV      | 522459         | 898166        | 28.94%          | 1.732%        |
| 14        | 7.481       | 689           | 696         | 704          | rVV      | 480297         | 767665        | 24.74%          | 1.480%        |
| 15        | 7.693       | 724           | 732         | 739          | rVV      | 570898         | 904019        | 29.13%          | 1.743%        |
| 16        | 7.775       | 742           | 746         | 750          | rVV3     | 10980          | 17488         | 0.56%           | 0.034%        |
| 17        | 8.169       | 804           | 813         | 820          | rBV      | 1048128        | 1645033       | 53.01%          | 3.172%        |
| 18        | 8.228       | 820           | 823         | 830          | rVB2     | 13683          | 22611         | 0.73%           | 0.044%        |
| 19        | 8.728       | 899           | 908         | 913          | rBV2     | 9773           | 19558         | 0.63%           | 0.038%        |
| 20        | 8.875       | 925           | 933         | 941          | rBV      | 374256         | 638572        | 20.58%          | 1.231%        |
| 21        | 9.005       | 949           | 955         | 961          | rVV      | 48734          | 77602         | 2.50%           | 0.150%        |
| 22        | 9.158       | 971           | 981         | 984          | rBV6     | 14332          | 29620         | 0.95%           | 0.057%        |
| 23        | 9.199       | 984           | 988         | 993          | rVB5     | 13063          | 24357         | 0.78%           | 0.047%        |
| 24        | 9.281       | 997           | 1002        | 1006         | rVB6     | 10808          | 19224         | 0.62%           | 0.037%        |
| 25        | 9.346       | 1006          | 1013        | 1020         | rBV      | 499943         | 816750        | 26.32%          | 1.575%        |
| 26        | 9.740       | 1077          | 1080        | 1085         | rBV      | 12865          | 19858         | 0.64%           | 0.038%        |
| 27        | 10.075      | 1129          | 1137        | 1150         | rBV      | 381284         | 654125        | 21.08%          | 1.261%        |
| 28        | 10.222      | 1157          | 1162        | 1169         | rVB8     | 8395           | 19014         | 0.61%           | 0.037%        |
| 29        | 10.410      | 1186          | 1194        | 1197         | rBV8     | 8577           | 18531         | 0.60%           | 0.036%        |
| 30        | 10.616      | 1221          | 1229        | 1239         | rBV      | 531266         | 905155        | 29.17%          | 1.745%        |
| 31        | 11.005      | 1288          | 1295        | 1302         | rVV      | 1240269        | 2045935       | 65.92%          | 3.945%        |
| 32        | 11.052      | 1302          | 1303        | 1311         | rVB2     | 12780          | 17240         | 0.56%           | 0.033%        |
| 33        | 11.140      | 1311          | 1318        | 1328         | rBV      | 347837         | 654553        | 21.09%          | 1.262%        |
| 34        | 11.669      | 1402          | 1408        | 1415         | rBV4     | 12643          | 30878         | 0.99%           | 0.060%        |
| 35        | 12.010      | 1460          | 1466        | 1471         | rBV3     | 14891          | 29049         | 0.94%           | 0.056%        |
| 36        | 12.399      | 1527          | 1532        | 1539         | rVV2     | 30990          | 49383         | 1.59%           | 0.095%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 37 | 12.575 | 1558 | 1562 | 1567 | rBV3  | 10894   | 20222   | 0.65%  | 0.039% |
| 38 | 12.652 | 1571 | 1575 | 1581 | rVB   | 11219   | 19423   | 0.63%  | 0.037% |
| 39 | 13.340 | 1687 | 1692 | 1699 | rVB   | 27918   | 45512   | 1.47%  | 0.088% |
| 40 | 13.622 | 1735 | 1740 | 1745 | rBV   | 44649   | 67404   | 2.17%  | 0.130% |
| 41 | 13.693 | 1747 | 1752 | 1756 | rVB2  | 26013   | 41014   | 1.32%  | 0.079% |
| 42 | 13.981 | 1796 | 1801 | 1811 | rVB2  | 7708    | 22077   | 0.71%  | 0.043% |
| 43 | 14.087 | 1811 | 1819 | 1823 | rBV10 | 30649   | 55467   | 1.79%  | 0.107% |
| 44 | 14.134 | 1823 | 1827 | 1832 | rVB7  | 13589   | 24587   | 0.79%  | 0.047% |
| 45 | 14.210 | 1832 | 1840 | 1846 | rBV   | 913710  | 1236030 | 39.83% | 2.384% |
| 46 | 14.275 | 1848 | 1851 | 1856 | rVV3  | 36036   | 47463   | 1.53%  | 0.092% |
| 47 | 14.510 | 1884 | 1891 | 1903 | rBV   | 1029938 | 1659568 | 53.47% | 3.200% |
| 48 | 14.687 | 1917 | 1921 | 1927 | rBV   | 48586   | 64166   | 2.07%  | 0.124% |
| 49 | 14.810 | 1931 | 1942 | 1949 | rBV   | 1527988 | 2280659 | 73.49% | 4.398% |
| 50 | 14.998 | 1969 | 1974 | 1985 | rBV   | 155594  | 273955  | 8.83%  | 0.528% |
| 51 | 15.204 | 2006 | 2009 | 2019 | rVB5  | 32139   | 60486   | 1.95%  | 0.117% |
| 52 | 15.640 | 2079 | 2083 | 2087 | rVB   | 47094   | 56651   | 1.83%  | 0.109% |
| 53 | 15.687 | 2088 | 2091 | 2096 | rVB7  | 10322   | 16699   | 0.54%  | 0.032% |
| 54 | 15.804 | 2105 | 2111 | 2116 | rBV   | 1293054 | 1867232 | 60.17% | 3.601% |
| 55 | 15.922 | 2126 | 2131 | 2135 | rBV   | 68146   | 99478   | 3.21%  | 0.192% |
| 56 | 16.051 | 2148 | 2153 | 2159 | rVB3  | 51067   | 107388  | 3.46%  | 0.207% |
| 57 | 16.163 | 2167 | 2172 | 2177 | rBV   | 323790  | 434931  | 14.01% | 0.839% |
| 58 | 16.440 | 2216 | 2219 | 2223 | rBV2  | 23297   | 30052   | 0.97%  | 0.058% |
| 59 | 16.504 | 2224 | 2230 | 2231 | rVV3  | 70373   | 112268  | 3.62%  | 0.216% |
| 60 | 16.528 | 2231 | 2234 | 2239 | rVB2  | 100006  | 143519  | 4.62%  | 0.277% |
| 61 | 16.787 | 2275 | 2278 | 2284 | rVB   | 61949   | 79117   | 2.55%  | 0.153% |
| 62 | 16.940 | 2302 | 2304 | 2313 | rVB8  | 37396   | 59541   | 1.92%  | 0.115% |
| 63 | 17.092 | 2327 | 2330 | 2334 | rVB5  | 36869   | 44916   | 1.45%  | 0.087% |
| 64 | 17.298 | 2362 | 2365 | 2369 | rBV2  | 53037   | 69921   | 2.25%  | 0.135% |
| 65 | 17.357 | 2371 | 2375 | 2378 | rVV   | 37764   | 57705   | 1.86%  | 0.111% |
| 66 | 17.440 | 2384 | 2389 | 2392 | rBV   | 157971  | 231522  | 7.46%  | 0.446% |
| 67 | 17.475 | 2392 | 2395 | 2399 | rVB   | 80638   | 95658   | 3.08%  | 0.184% |
| 68 | 17.569 | 2403 | 2411 | 2415 | rBV   | 1819604 | 2743071 | 88.39% | 5.290% |
| 69 | 17.610 | 2415 | 2418 | 2422 | rVV   | 221670  | 294659  | 9.49%  | 0.568% |
| 70 | 17.669 | 2422 | 2428 | 2432 | rVV   | 1396791 | 2039310 | 65.71% | 3.933% |
| 71 | 17.739 | 2436 | 2440 | 2448 | rVB3  | 224585  | 361184  | 11.64% | 0.696% |
| 72 | 18.004 | 2483 | 2485 | 2488 | rBV   | 63613   | 72865   | 2.35%  | 0.141% |
| 73 | 18.039 | 2488 | 2491 | 2495 | rVB3  | 92610   | 102984  | 3.32%  | 0.199% |
| 74 | 18.151 | 2504 | 2510 | 2517 | rBV   | 870809  | 1794335 | 57.82% | 3.460% |
| 75 | 18.275 | 2526 | 2531 | 2535 | rBV4  | 200095  | 336566  | 10.84% | 0.649% |
| 76 | 18.392 | 2548 | 2551 | 2553 | rBV   | 255018  | 310900  | 10.02% | 0.600% |

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Peak separation: 5

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

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 77  | 18.422 | 2553 | 2556 | 2565 | rVV2 | 927134  | 1501067 | 48.37%  | 2.895% |
| 78  | 18.492 | 2566 | 2568 | 2574 | rVB2 | 229912  | 260415  | 8.39%   | 0.502% |
| 79  | 18.604 | 2583 | 2587 | 2592 | rBV2 | 754152  | 991868  | 31.96%  | 1.913% |
| 80  | 18.663 | 2593 | 2597 | 2600 | rVV2 | 378915  | 486887  | 15.69%  | 0.939% |
| 81  | 18.704 | 2600 | 2604 | 2610 | rVV2 | 285158  | 342338  | 11.03%  | 0.660% |
| 82  | 18.875 | 2629 | 2633 | 2639 | rBV2 | 548967  | 846815  | 27.29%  | 1.633% |
| 83  | 18.975 | 2647 | 2650 | 2653 | rVB  | 201214  | 217317  | 7.00%   | 0.419% |
| 84  | 19.045 | 2659 | 2662 | 2668 | rVB  | 340632  | 407757  | 13.14%  | 0.786% |
| 85  | 19.245 | 2693 | 2696 | 2701 | rVB3 | 266015  | 333378  | 10.74%  | 0.643% |
| 86  | 19.304 | 2703 | 2706 | 2709 | rVV  | 233333  | 269011  | 8.67%   | 0.519% |
| 87  | 19.345 | 2709 | 2713 | 2717 | rVV4 | 335295  | 482126  | 15.54%  | 0.930% |
| 88  | 19.392 | 2717 | 2721 | 2723 | rVV  | 633753  | 795966  | 25.65%  | 1.535% |
| 89  | 19.428 | 2723 | 2727 | 2734 | rVB3 | 581231  | 1023502 | 32.98%  | 1.974% |
| 90  | 19.557 | 2746 | 2749 | 2754 | rVB  | 585573  | 729504  | 23.51%  | 1.407% |
| 91  | 19.645 | 2761 | 2764 | 2768 | rVB2 | 883655  | 1024569 | 33.01%  | 1.976% |
| 92  | 19.686 | 2768 | 2771 | 2778 | rVB2 | 671258  | 801416  | 25.82%  | 1.545% |
| 93  | 19.886 | 2800 | 2805 | 2808 | rBV  | 1921099 | 2906463 | 93.65%  | 5.605% |
| 94  | 20.122 | 2842 | 2845 | 2851 | rVB  | 542859  | 615258  | 19.82%  | 1.186% |
| 95  | 20.428 | 2894 | 2897 | 2900 | rVB  | 393375  | 409456  | 13.19%  | 0.790% |
| 96  | 20.522 | 2911 | 2913 | 2916 | rBV  | 419031  | 473244  | 15.25%  | 0.913% |
| 97  | 21.316 | 3046 | 3048 | 3054 | rVB2 | 716946  | 820959  | 26.45%  | 1.583% |
| 98  | 21.528 | 3081 | 3084 | 3089 | rVB  | 1616068 | 1823206 | 58.75%  | 3.516% |
| 99  | 21.651 | 3100 | 3105 | 3109 | rVB  | 1890316 | 2762555 | 89.02%  | 5.327% |
| 100 | 24.257 | 3544 | 3548 | 3555 | rVB2 | 1625055 | 3103464 | 100.00% | 5.985% |

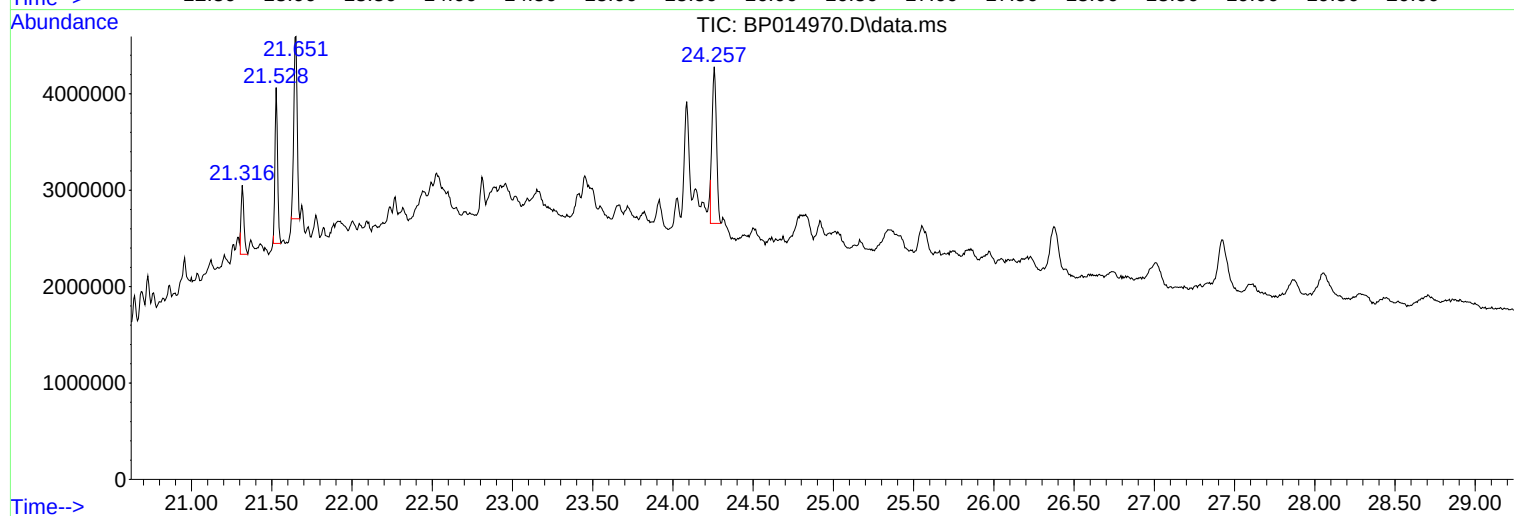
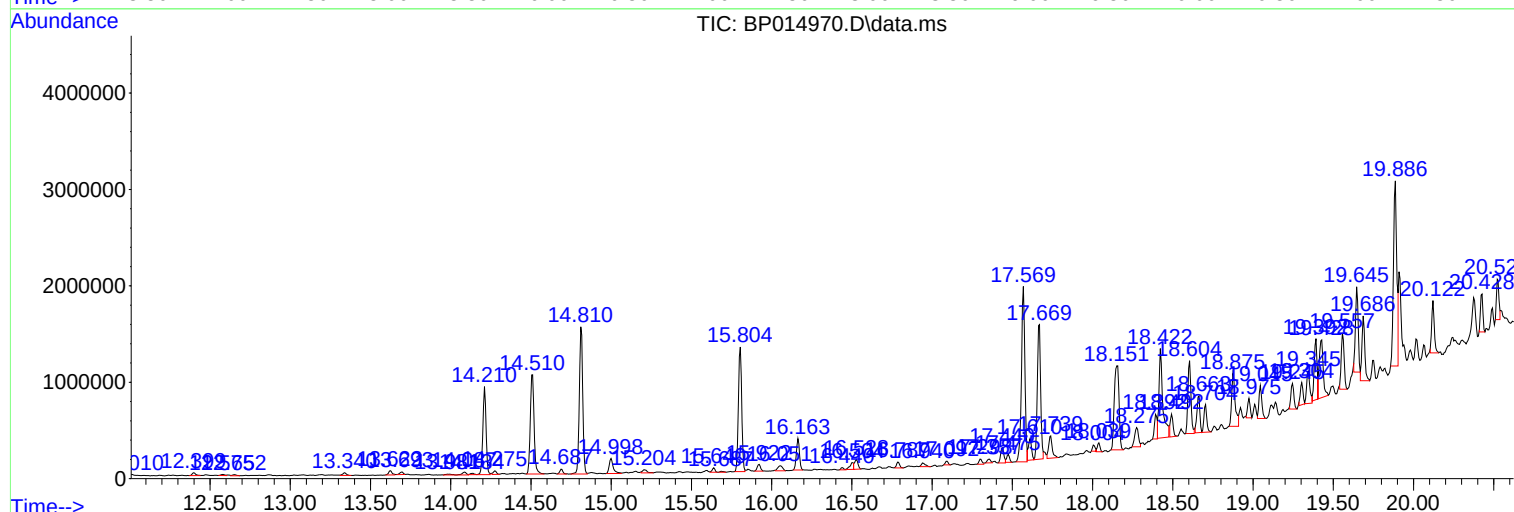
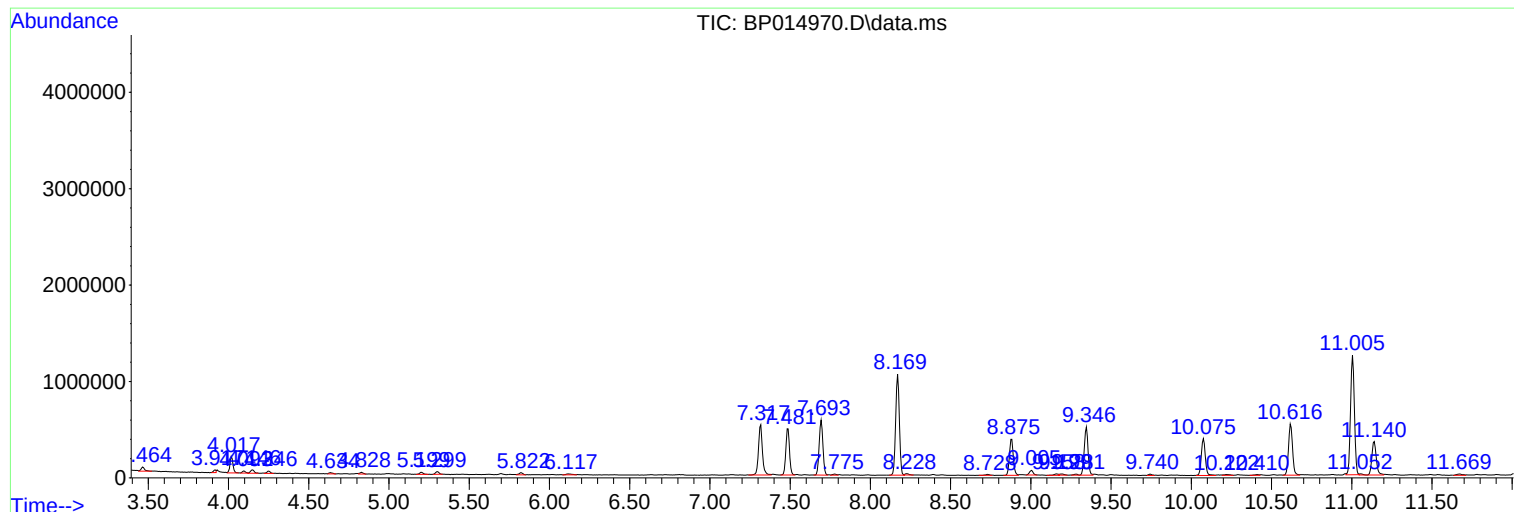
Sum of corrected areas: 51857480

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

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



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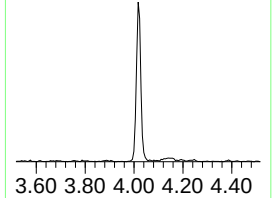
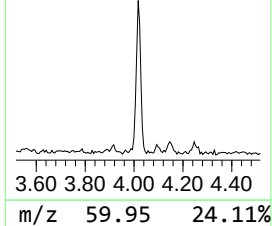
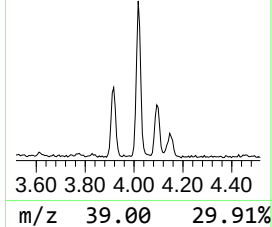
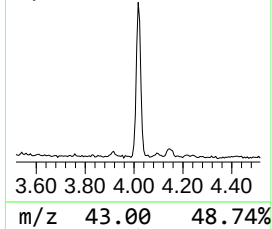
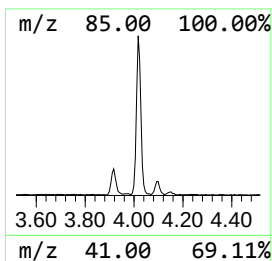
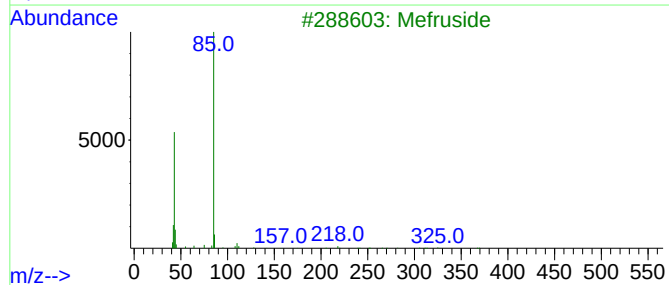
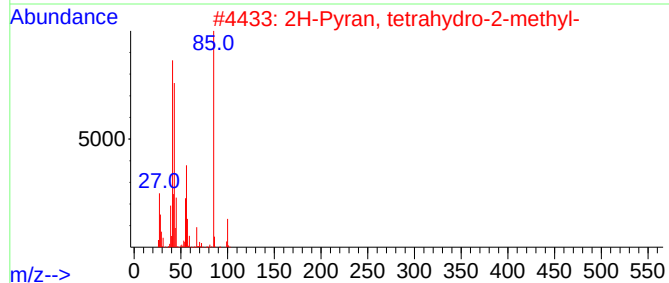
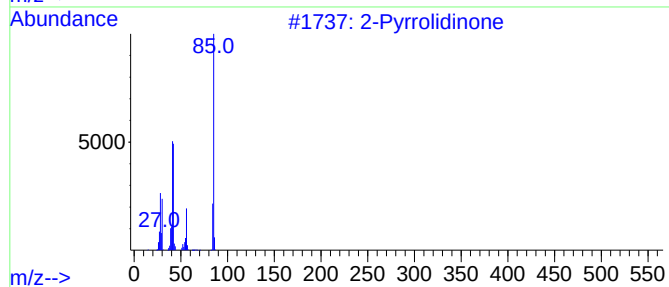
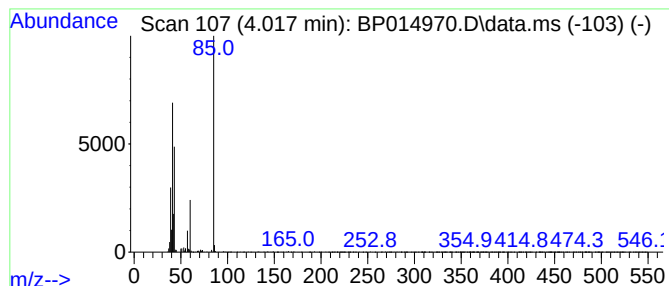
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 unknown-01 Concentration Rank 17

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|--------|------------------------|-------------|------|
| 4.017     | 2.72 ng/ul                          | 223571 | 1,4-Dichlorobenzene-d4 | 8.169       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#        | Qual |
| 1         | 2-Pyrrolidinone                     | 85     | C4H7NO                 | 000616-45-5 | 9    |
| 2         | 2H-Pyran, tetrahydro-2-methyl-      | 100    | C6H12O                 | 010141-72-7 | 9    |
| 3         | Mefruside                           | 382    | C13H19ClN2O5S2         | 007195-27-9 | 9    |
| 4         | trans-4-Methoxy-3-buten-2-one       | 100    | C5H8O2                 | 051731-17-0 | 9    |
| 5         | Butanoic acid, 3-methyl-, propyl... | 144    | C8H16O2                | 000557-00-6 | 9    |



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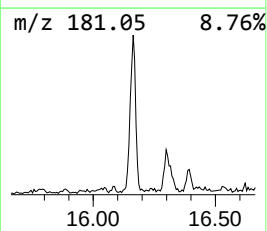
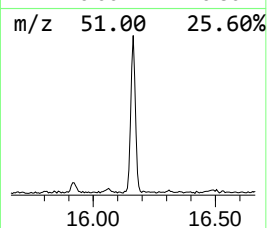
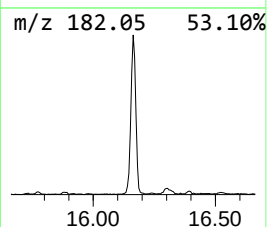
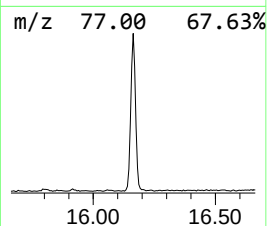
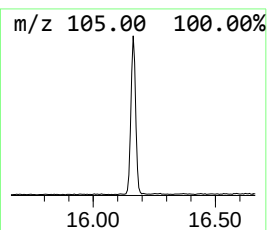
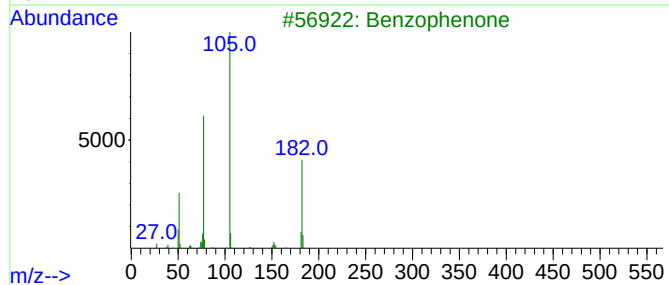
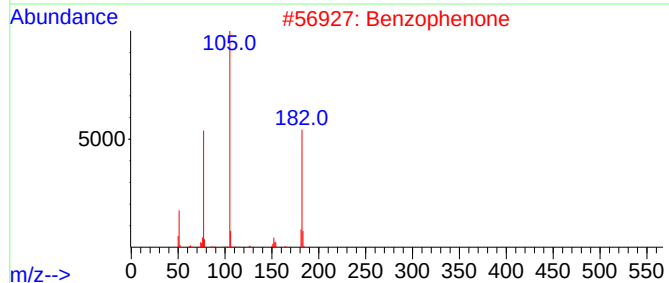
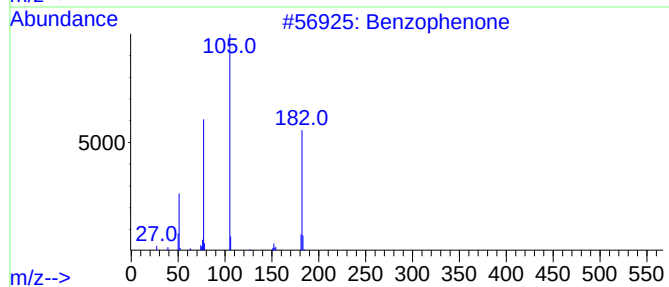
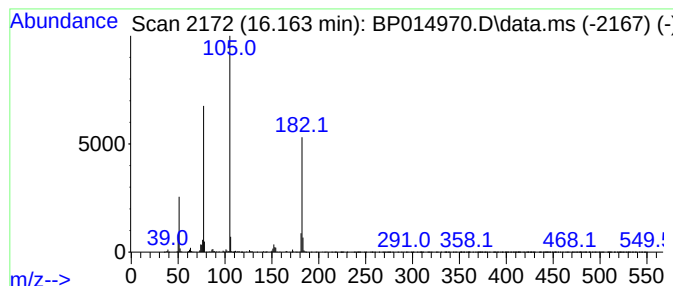
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Benzophenone Concentration Rank 11

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 16.163 | 3.81 ng/ul | 434931 | Acenaphthene-d10 | 14.810 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Benzophenone | 182 | C13H10O | 000119-61-9 | 96   |
| 2    |    |   | Benzophenone | 182 | C13H10O | 000119-61-9 | 95   |
| 3    |    |   | Benzophenone | 182 | C13H10O | 000119-61-9 | 94   |
| 4    |    |   | Benzophenone | 182 | C13H10O | 000119-61-9 | 91   |
| 5    |    |   | Benzophenone | 182 | C13H10O | 000119-61-9 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

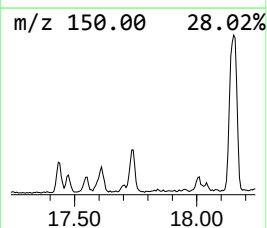
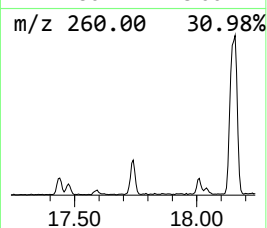
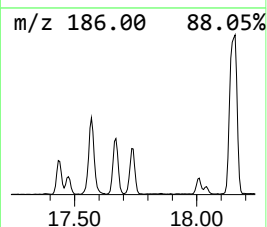
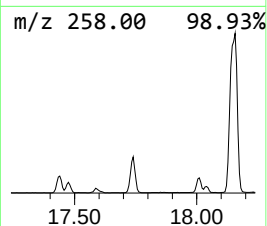
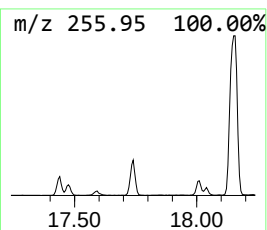
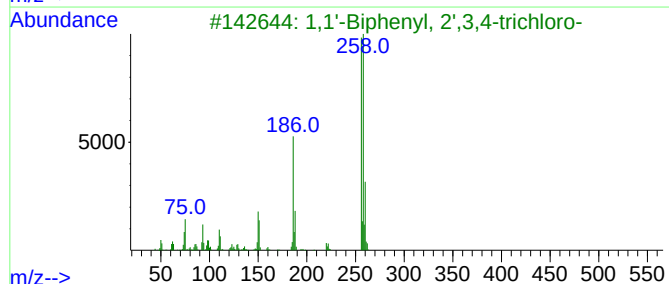
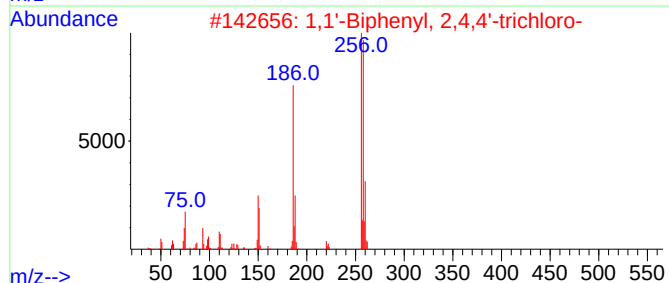
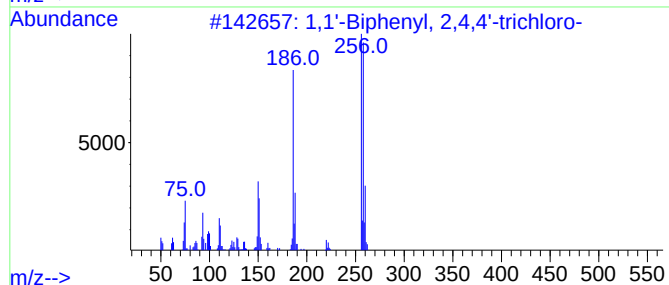
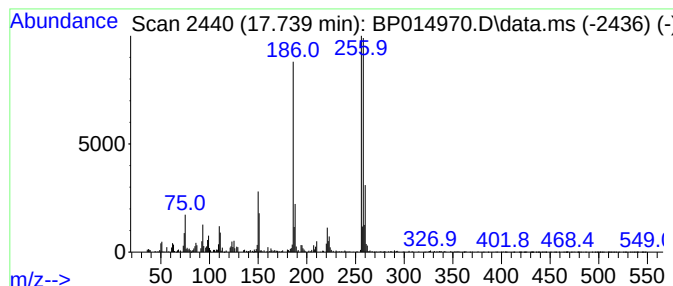
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Quant Title : SVOA CALIBRATION

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

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Peak Number 3 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 18

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.740 | 2.63 ng/ul | 361184 | Phenanthrene-d10 | 17.569 |

| 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, 2,4,4'-trichloro- | 256          | C12H7Cl3 | 007012-37-5 | 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 | 98   |      |
| 5    | 1,1'-Biphenyl, 2,3,3'-trichloro- | 256          | C12H7Cl3 | 038444-84-7 | 98   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

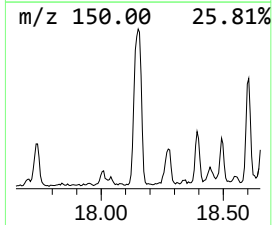
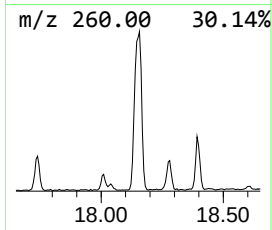
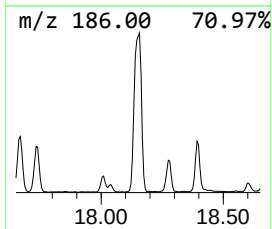
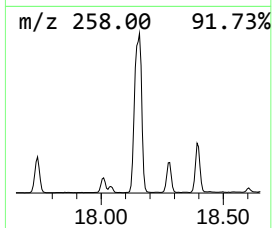
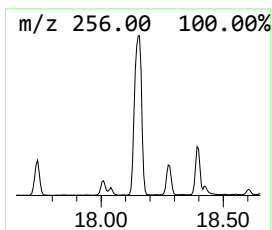
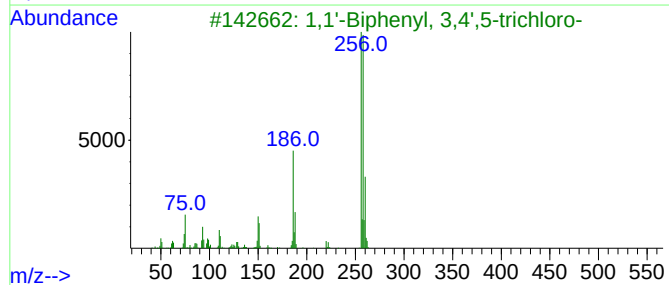
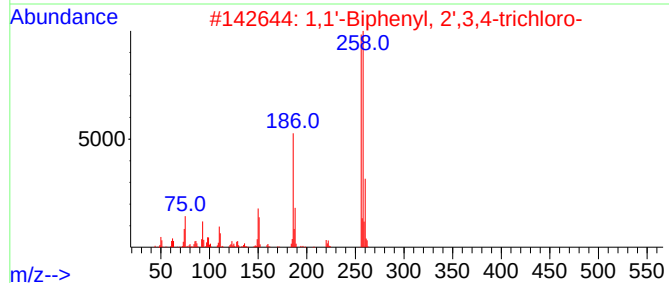
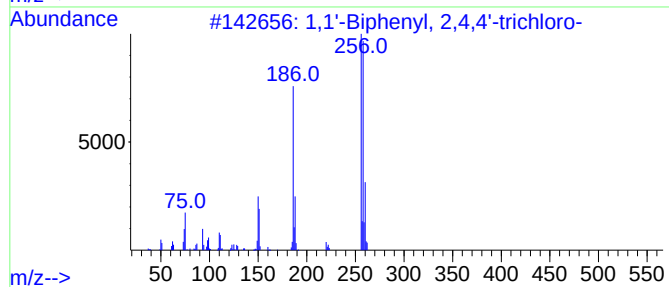
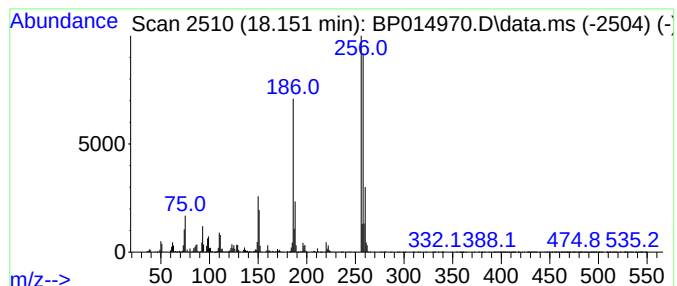
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Quant Title : SVOA CALIBRATION

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

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

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 18.151 | 13.08 ng/ul | 1794340 | Phenanthrene-d10 | 17.569 |

| 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     | 038444-86-9 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 3,4',5-trichloro- | 256 | C12H7Cl3     | 038444-88-1 | 99      |      |      |
| 4    | 1,1'-Biphenyl, 3,3',5-trichloro- | 256 | C12H7Cl3     | 038444-87-0 | 99      |      |      |
| 5    | 1,1'-Biphenyl, 2,3',5-trichloro- | 256 | C12H7Cl3     | 038444-81-4 | 99      |      |      |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

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

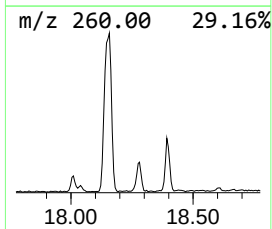
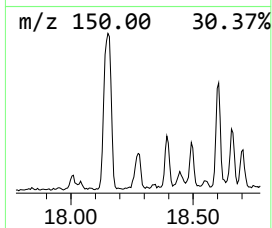
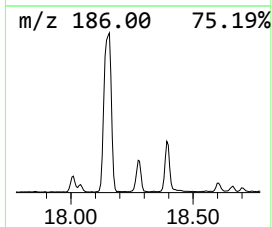
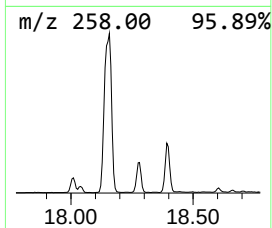
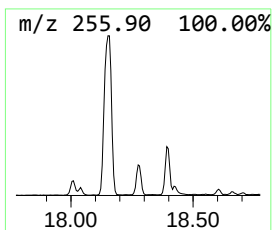
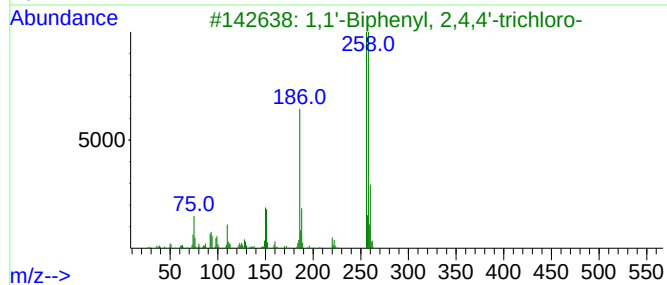
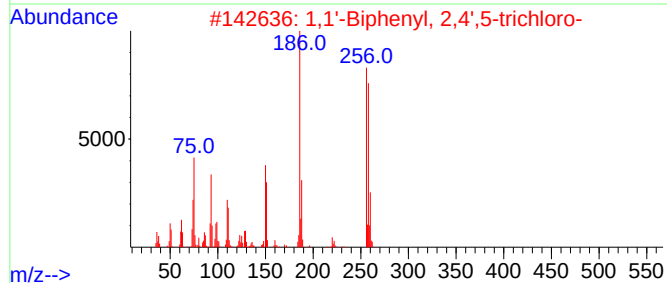
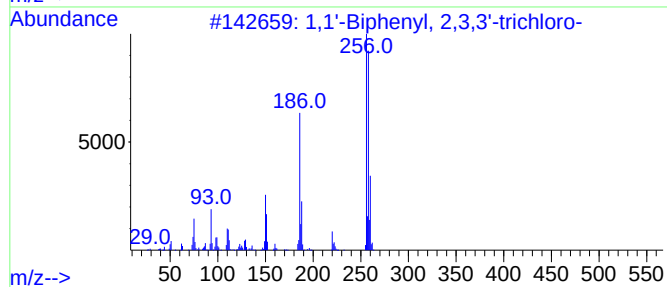
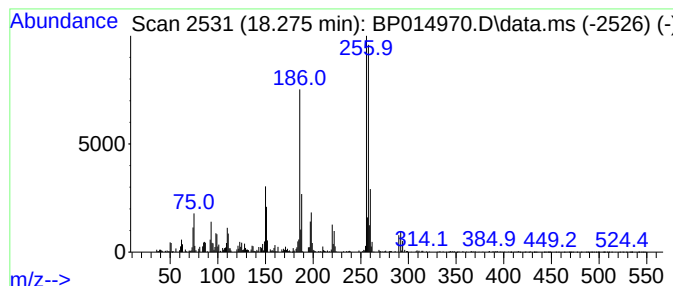
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 1,1'-Biphenyl, 2,3,3'-trich... Concentration Rank 20

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.275 | 2.45 ng/ul | 336566 | Phenanthrene-d10 | 17.569 |

| Hit# | of 5                             | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|----------------------------------|--------------|----------|-------------|------|------|
| 1    | 1,1'-Biphenyl, 2,3,3'-trichloro- | 256          | C12H7Cl3 | 038444-84-7 | 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 | 98   |      |
| 4    | 1,1'-Biphenyl, 3,4,4'-Trichloro- | 256          | C12H7Cl3 | 038444-90-5 | 97   |      |
| 5    | 1,1'-Biphenyl, 2,3,4-trichloro-  | 256          | C12H7Cl3 | 055702-46-0 | 96   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

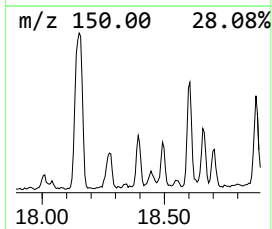
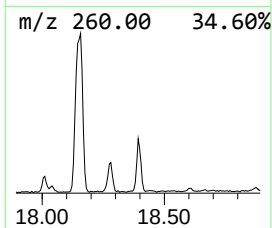
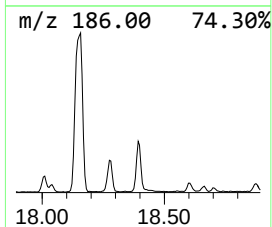
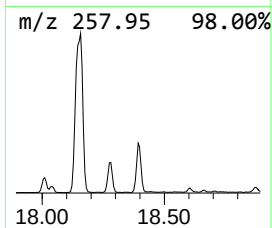
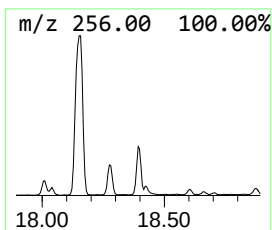
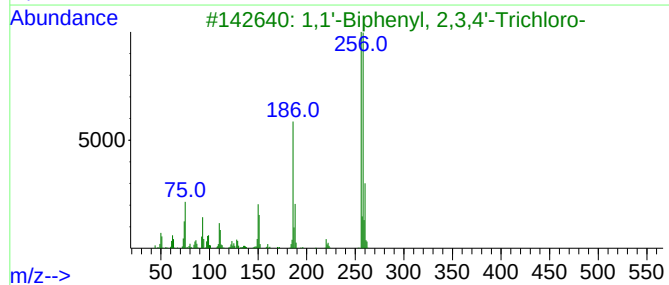
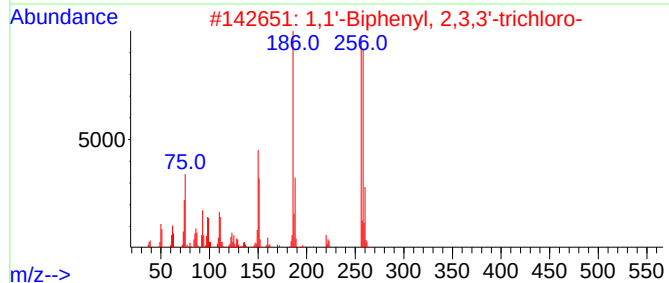
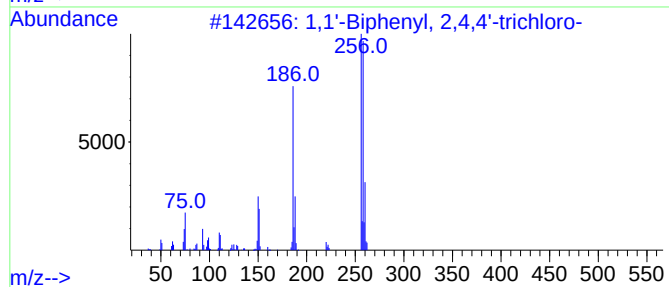
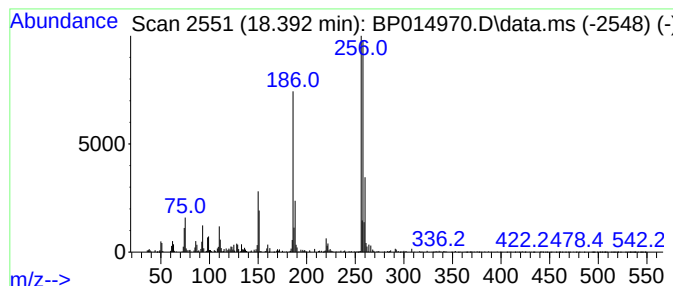
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Quant Title : SVOA CALIBRATION

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

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Peak Number 6 unknown-02 Concentration Rank 22

| R.T.      | EstConc                          | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------------|--------|------------------|-------------|------|
| 18.392    | 2.27 ng/ul                       | 310900 | Phenanthrene-d10 | 17.569      |      |
| 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, 2,3,3'-trichloro- | 256    | C12H7Cl3         | 038444-84-7 | 99   |
| 3         | 1,1'-Biphenyl, 2,3,4'-Trichloro- | 256    | C12H7Cl3         | 038444-85-8 | 98   |
| 4         | 1,1'-Biphenyl, 2',3,4-trichloro- | 256    | C12H7Cl3         | 038444-86-9 | 98   |
| 5         | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256    | C12H7Cl3         | 007012-37-5 | 97   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

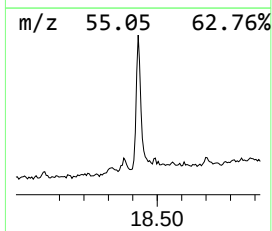
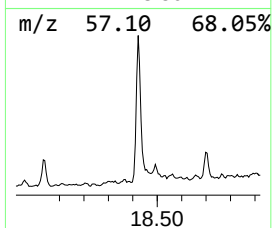
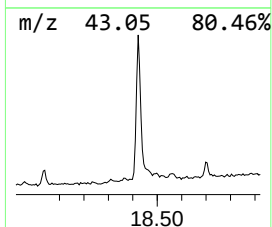
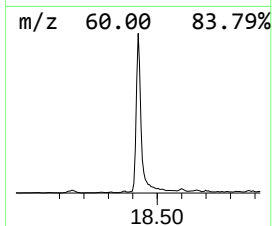
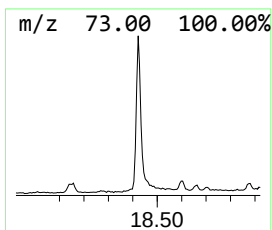
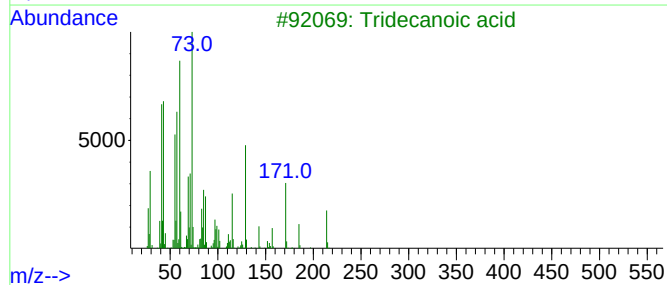
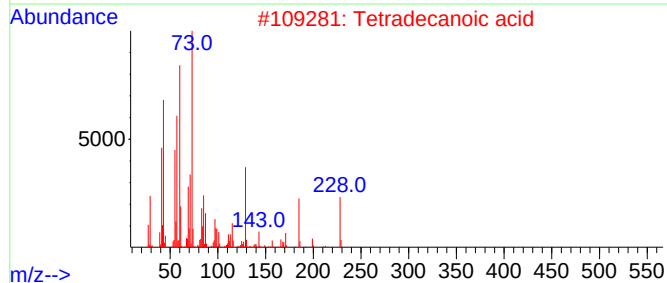
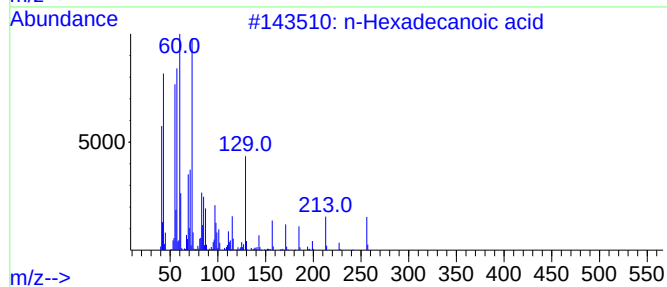
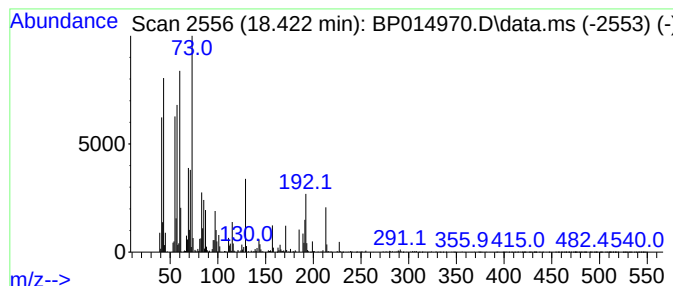
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 n-Hexadecanoic acid Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 18.422 | 10.94 ng/ul | 1501070 | Phenanthrene-d10 | 17.569 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 89   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 89   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 76   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 68   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

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

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

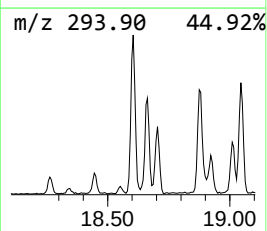
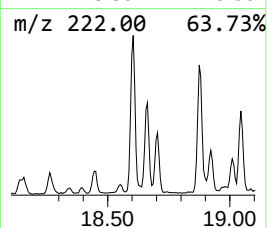
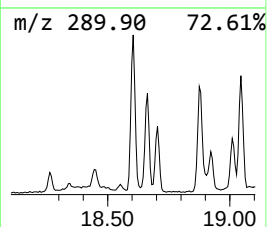
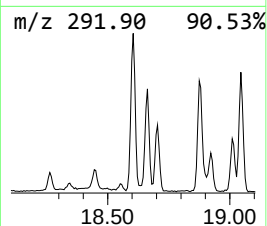
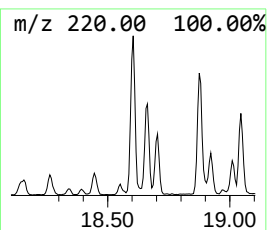
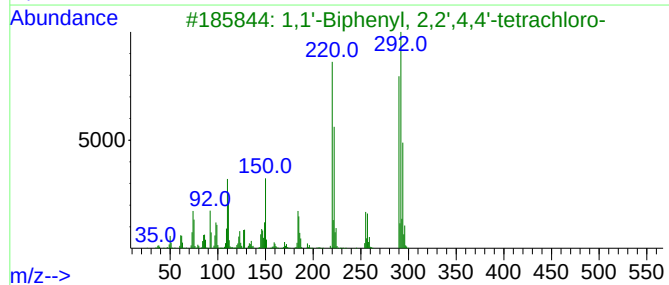
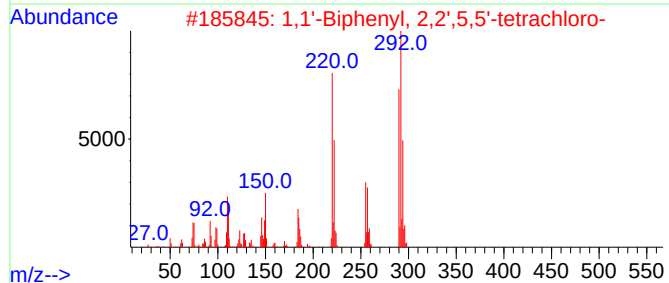
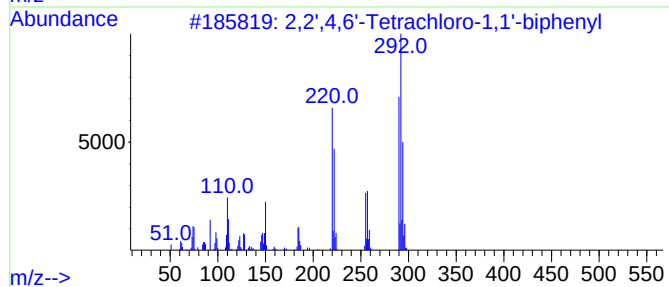
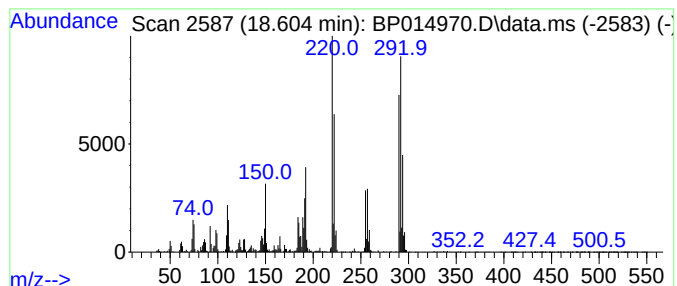
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Peak Number 8 2,2',4,6'-Tetrachloro-1,1'-... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.604 | 7.23 ng/ul | 991868 | Phenanthrene-d10 | 17.569 |

| Hit# | of 5                                  | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|---------------------------------------|--------------|----------|-------------|------|------|
| 1    | 2,2',4,6'-Tetrachloro-1,1'-biphenyl   | 290          | C12H6Cl4 | 068194-04-7 | 99   |      |
| 2    | 1,1'-Biphenyl, 2,2',5,5'-tetrachloro- | 290          | C12H6Cl4 | 035693-99-3 | 99   |      |
| 3    | 1,1'-Biphenyl, 2,2',4,4'-tetrachloro- | 290          | C12H6Cl4 | 002437-79-8 | 99   |      |
| 4    | 2,2',3,6-Tetrachloro-1,1'-biphenyl    | 290          | C12H6Cl4 | 070362-45-7 | 99   |      |
| 5    | 1,1'-Biphenyl, 2,2',4,4'-tetrachloro- | 290          | C12H6Cl4 | 002437-79-8 | 99   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

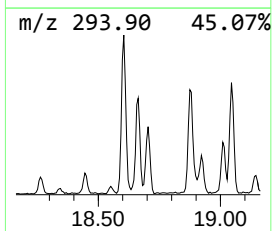
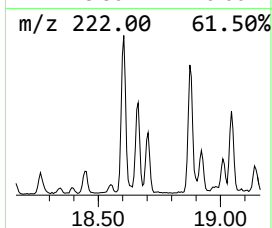
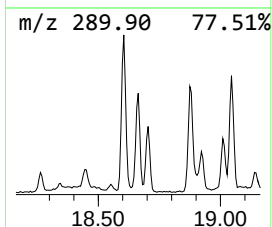
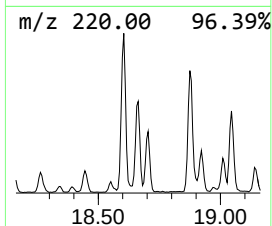
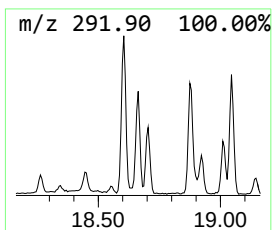
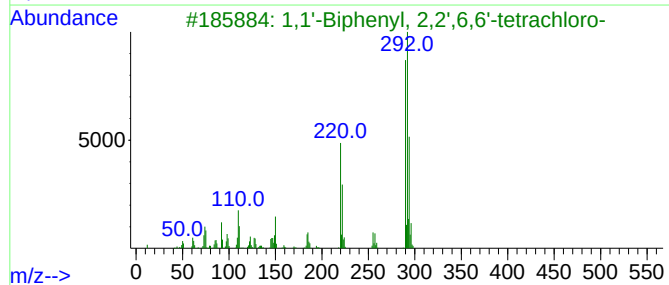
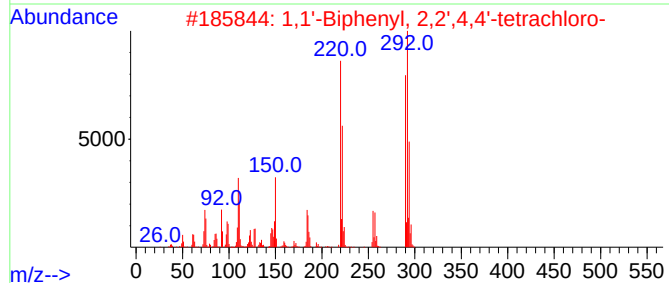
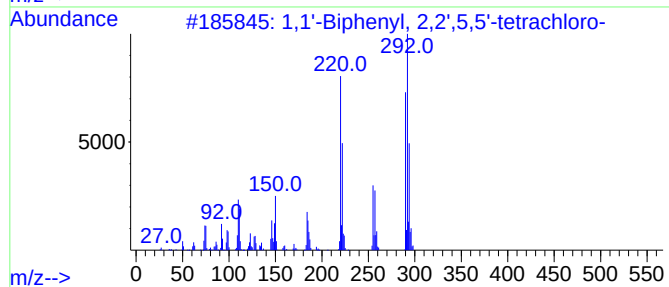
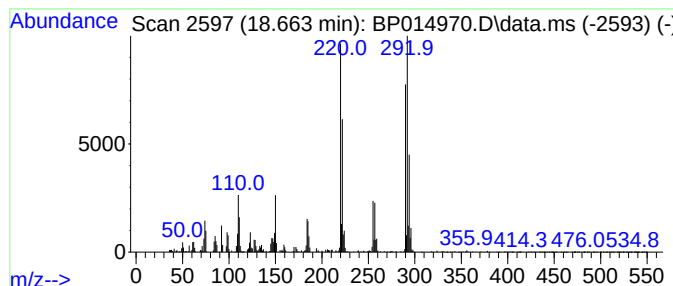
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Quant Title : SVOA CALIBRATION

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

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Peak Number 9 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 12

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 18.663    | 3.55 ng/ul                          | 486887 | Phenanthrene-d10 | 17.569      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290    | C12H6Cl4         | 035693-99-3 | 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, 2,2',4,4'-tetrach... | 290    | C12H6Cl4         | 002437-79-8 | 99   |
| 5         | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290    | C12H6Cl4         | 041464-40-8 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

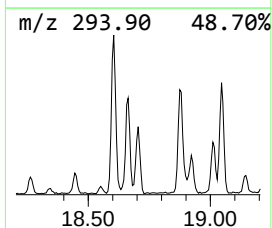
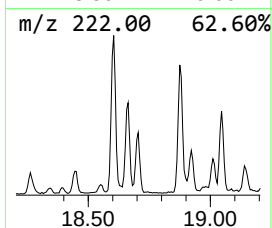
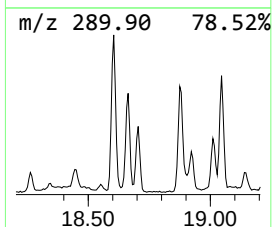
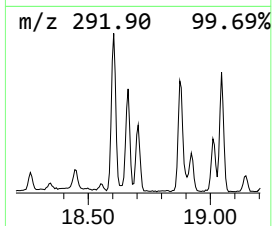
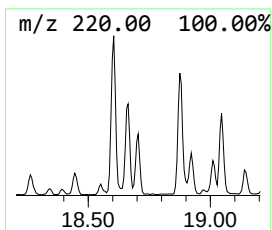
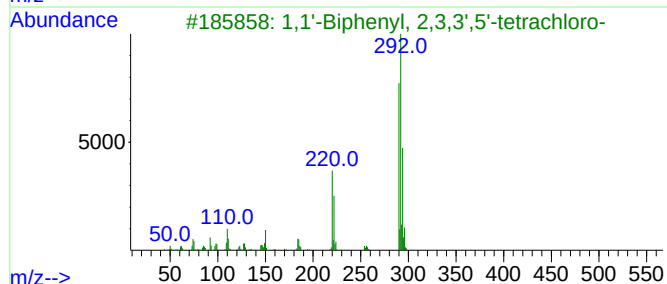
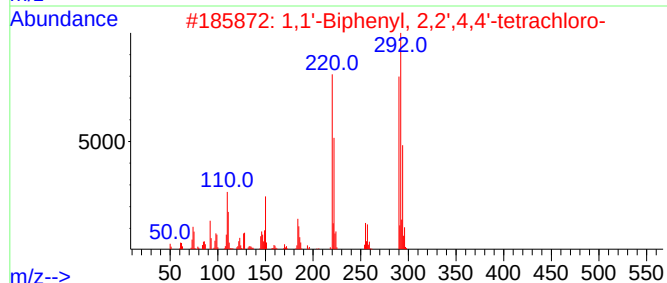
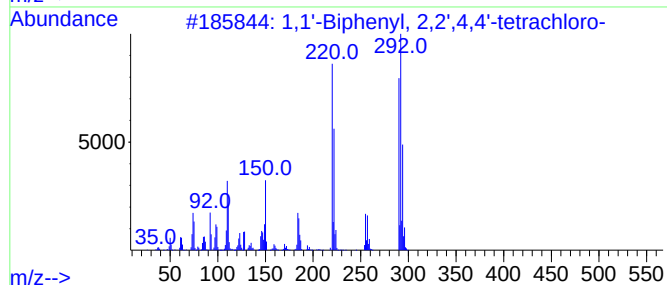
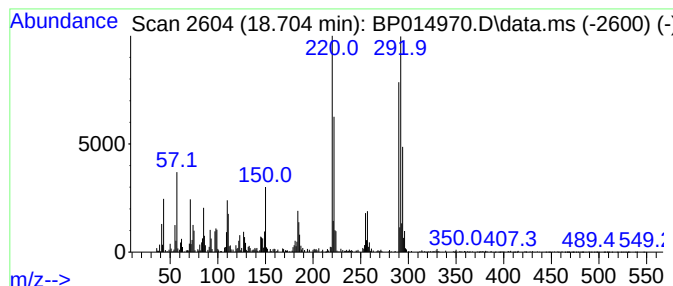
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Quant Title : SVOA CALIBRATION

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 19

| R.T.   | EstConc                               | Area         | Relative to ISTD |          | R.T.        |      |
|--------|---------------------------------------|--------------|------------------|----------|-------------|------|
| 18.704 | 2.50 ng/ul                            | 342338       | Phenanthrene-d10 |          | 17.569      |      |
| Hit#   | of 5                                  | Tentative ID | MW               | MolForm  | CAS#        | Qual |
| 1      | 1,1'-Biphenyl, 2,2',4,4'-tetrachloro- |              | 290              | C12H6Cl4 | 002437-79-8 | 99   |
| 2      | 1,1'-Biphenyl, 2,2',4,4'-tetrachloro- |              | 290              | C12H6Cl4 | 002437-79-8 | 99   |
| 3      | 1,1'-Biphenyl, 2,3,3',5'-tetrachloro- |              | 290              | C12H6Cl4 | 041464-49-7 | 99   |
| 4      | 1,1'-Biphenyl, 2,3,3',4'-tetrachloro- |              | 290              | C12H6Cl4 | 041464-43-1 | 99   |
| 5      | 1,1'-Biphenyl, 2,3',4,6-Tetrachloro-  |              | 290              | C12H6Cl4 | 060233-24-1 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

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

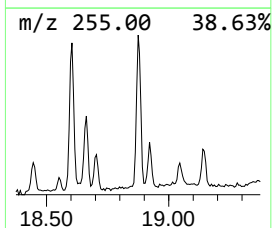
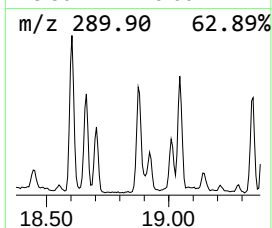
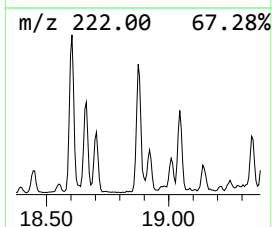
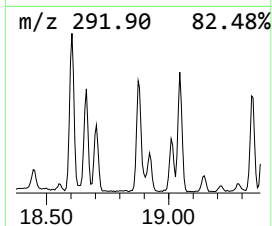
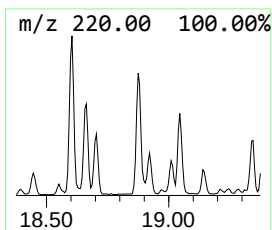
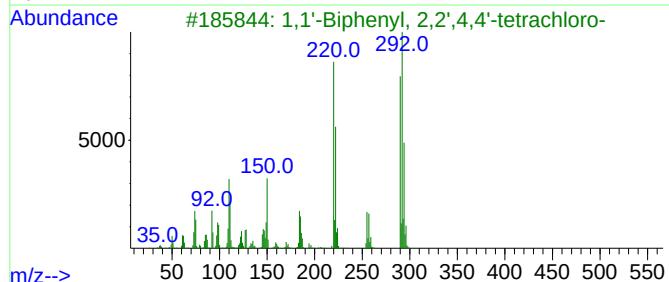
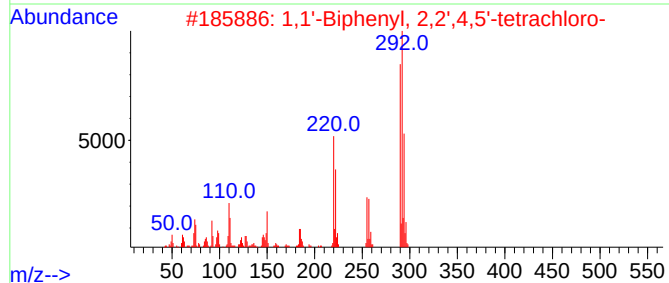
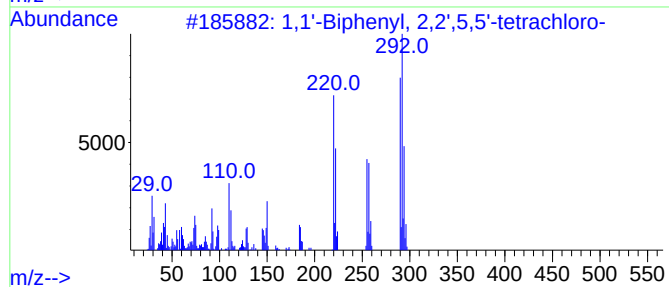
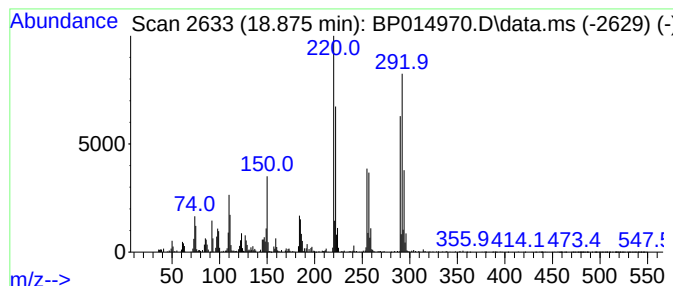
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.875 | 6.17 ng/ul | 846815 | Phenanthrene-d10 | 17.569 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,2',5,5'-tetrach... | 290 | C12H6Cl4     | 035693-99-3 | 99      |      |      |
| 2    | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290 | C12H6Cl4     | 041464-40-8 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4     | 002437-79-8 | 99      |      |      |
| 4    | 2,2',4,5-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4     | 070362-47-9 | 99      |      |      |
| 5    | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290 | C12H6Cl4     | 002437-79-8 | 99      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

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

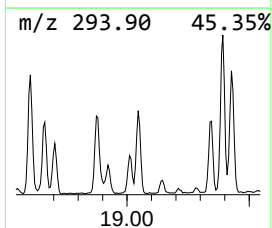
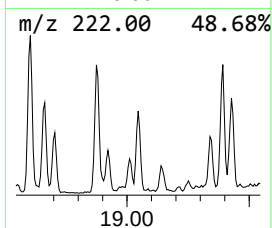
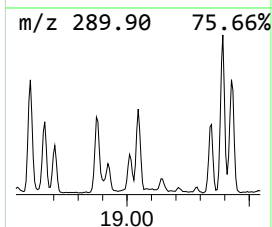
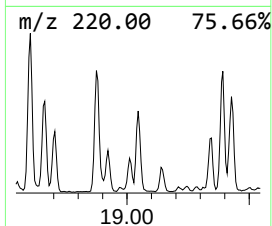
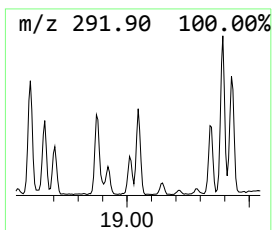
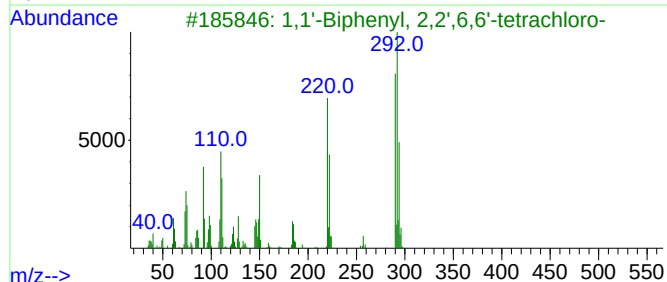
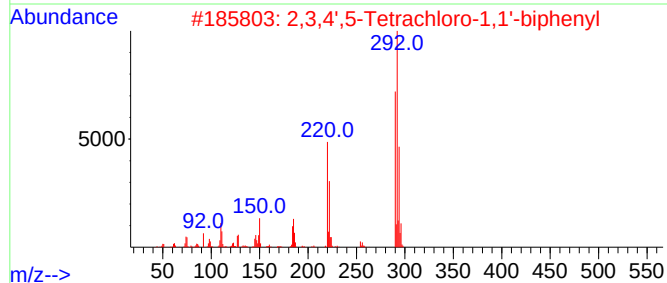
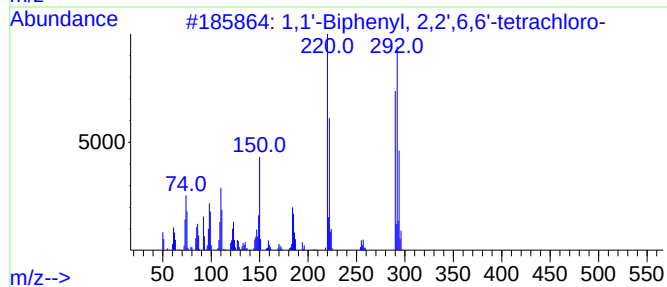
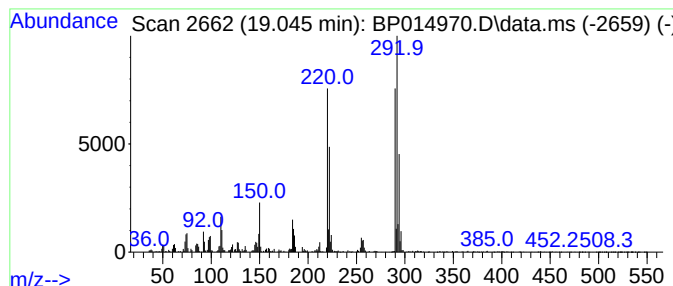
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 15

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 19.045 | 2.97 ng/ul | 407757 | Phenanthrene-d10 | 17.569 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4     | 015968-05-5 | 99      |      |      |
| 2    | 2,3,4',5-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4     | 074472-34-7 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4     | 015968-05-5 | 99      |      |      |
| 4    | 1,1'-Biphenyl, 2,3',4',6-tetrach... | 290 | C12H6Cl4     | 041464-46-4 | 98      |      |      |
| 5    | 1,1'-Biphenyl, 2,3,4,4'-tetrachl... | 290 | C12H6Cl4     | 033025-41-1 | 97      |      |      |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

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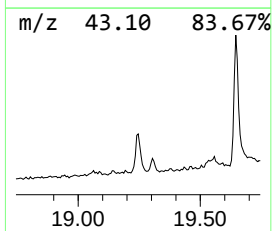
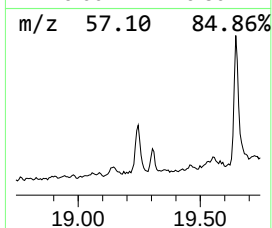
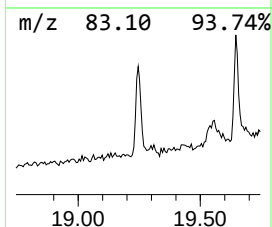
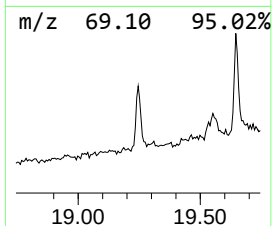
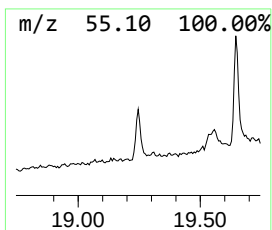
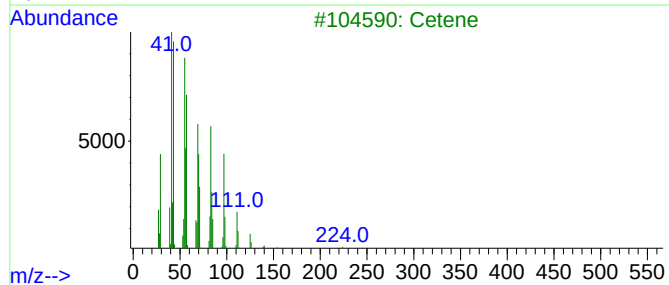
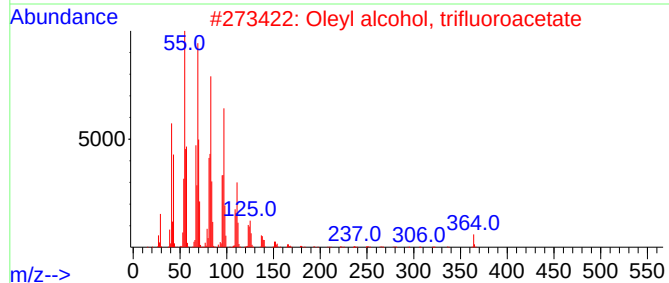
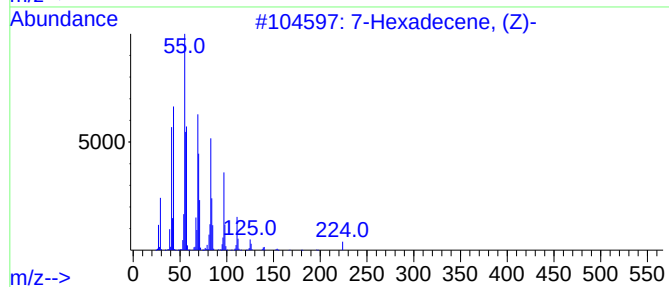
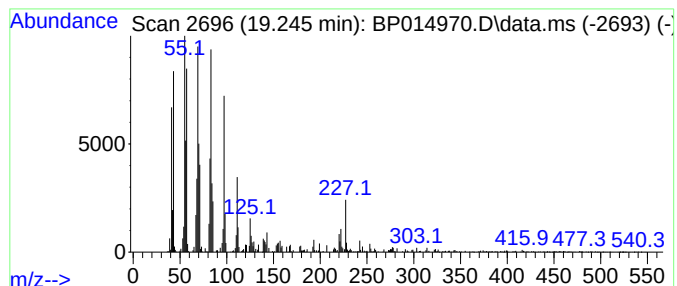
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Quant Title : SVOA CALIBRATION

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

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Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 21

| R.T.      | EstConc                            | Area   | Relative to ISTD |            | R.T.         |      |
|-----------|------------------------------------|--------|------------------|------------|--------------|------|
| 19.245    | 2.43 ng/ul                         | 333378 | Phenanthrene-d10 |            | 17.569       |      |
| Hit# of 5 | Tentative ID                       |        | MW               | MolForm    | CAS#         | Qual |
| 1         | 7-Hexadecene, (Z)-                 |        | 224              | C16H32     | 035507-09-6  | 96   |
| 2         | Oleyl alcohol, trifluoroacetate    |        | 364              | C20H35F3O2 | 1000352-68-4 | 93   |
| 3         | Cetene                             |        | 224              | C16H32     | 000629-73-2  | 93   |
| 4         | 1-Octadecanol                      |        | 270              | C18H38O    | 000112-92-5  | 93   |
| 5         | Bromoacetic acid, pentadecyl ester |        | 348              | C17H33BrO2 | 131143-01-6  | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

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

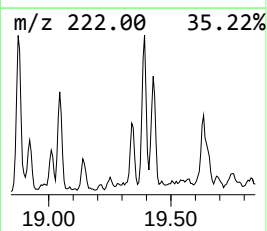
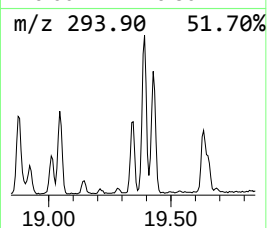
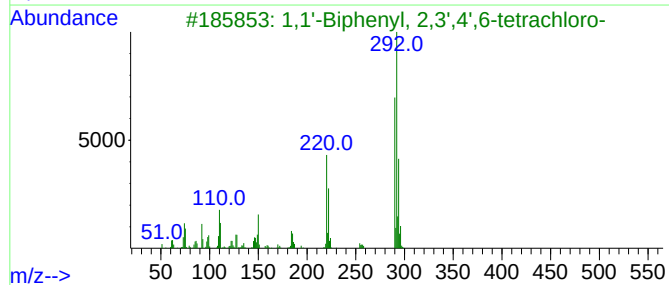
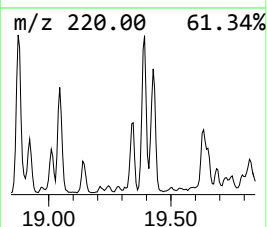
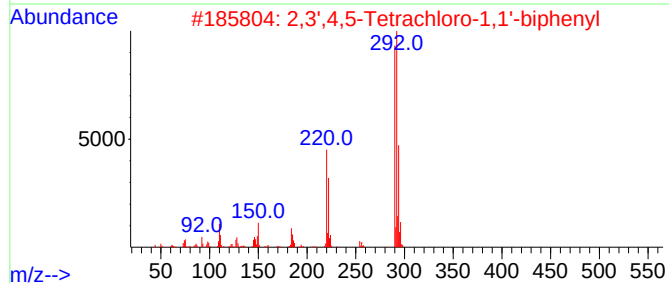
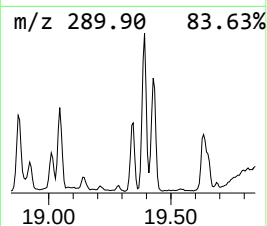
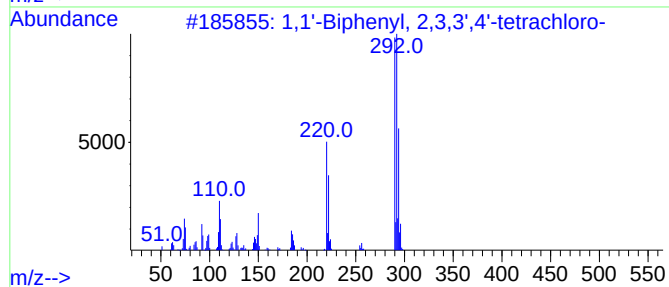
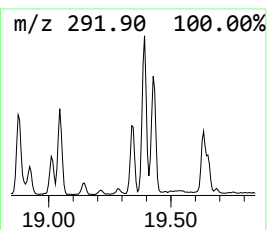
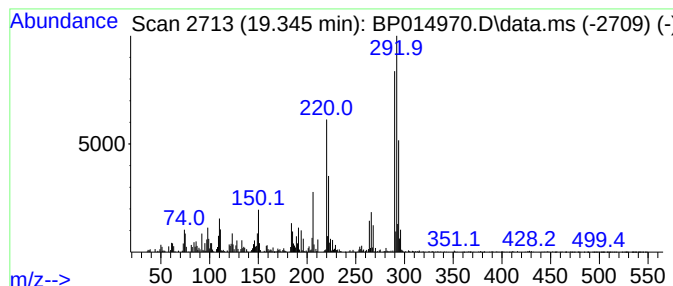
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 13

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 19.345 | 3.52 ng/ul | 482126 | Phenanthrene-d10 | 17.569 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,3,3',4'-tetrach... | 290 | C12H6Cl4     | 041464-43-1 | 99      |      |      |
| 2    | 2,3',4,5-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4     | 073575-53-8 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,3',4',6-tetrach... | 290 | C12H6Cl4     | 041464-46-4 | 99      |      |      |
| 4    | 3,3',4,5-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4     | 070362-49-1 | 99      |      |      |
| 5    | 1,1'-Biphenyl, 2,3',4,6-Tetrachl... | 290 | C12H6Cl4     | 060233-24-1 | 99      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

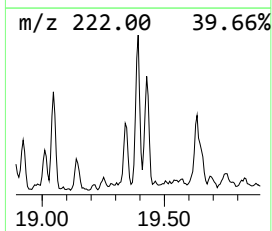
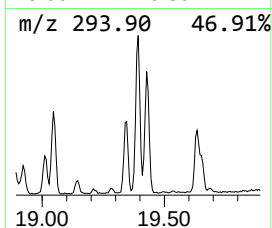
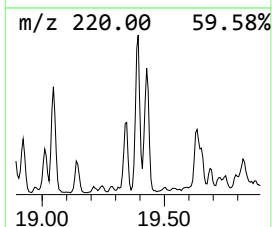
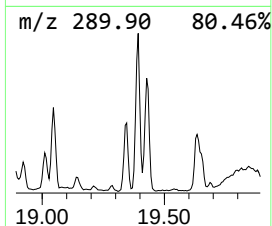
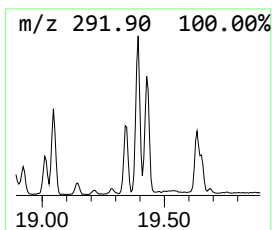
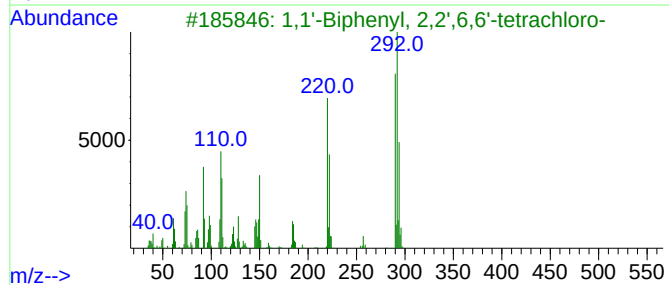
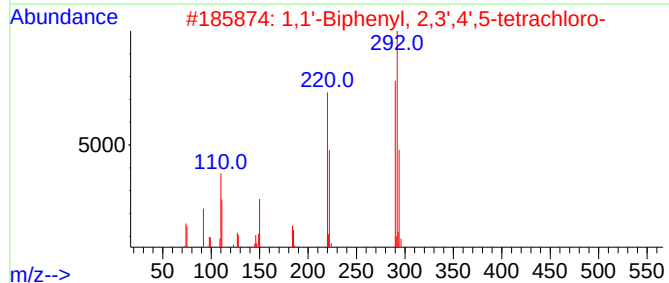
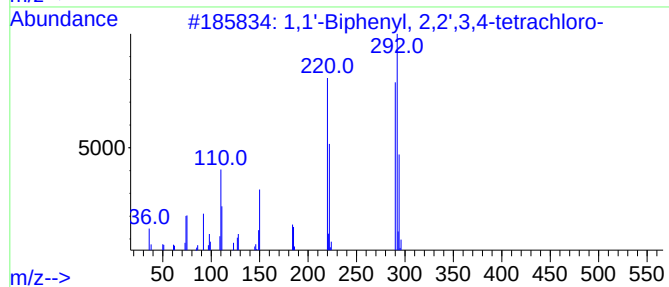
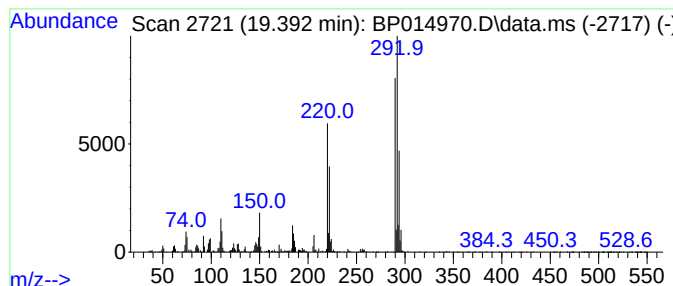
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Quant Title : SVOA CALIBRATION

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

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Peak Number 15 1,1'-Biphenyl, 2,3',4',5-te... Concentration Rank 8

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 19.392    | 5.80 ng/ul                          | 795966 | Phenanthrene-d10 | 17.569      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,2',3,4-tetrachl... | 290    | C12H6Cl4         | 052663-59-9 | 99   |
| 2         | 1,1'-Biphenyl, 2,3',4',5-tetrach... | 290    | C12H6Cl4         | 032598-11-1 | 99   |
| 3         | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290    | C12H6Cl4         | 015968-05-5 | 99   |
| 4         | 3,3',4,5-Tetrachloro-1,1'-biphenyl  | 290    | C12H6Cl4         | 070362-49-1 | 96   |
| 5         | 1,1'-Biphenyl, 2,3',4',6-tetrach... | 290    | C12H6Cl4         | 041464-46-4 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

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

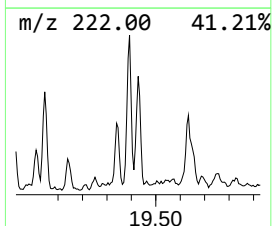
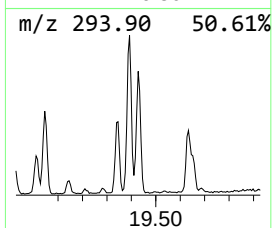
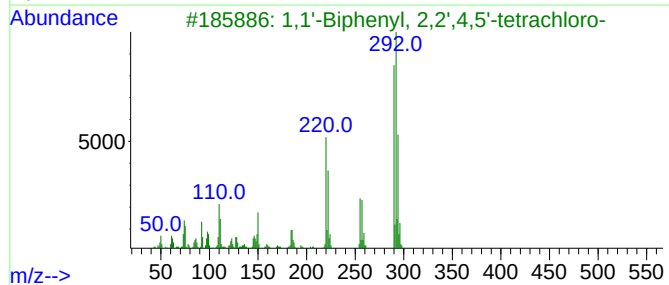
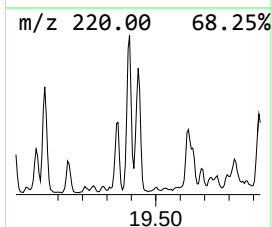
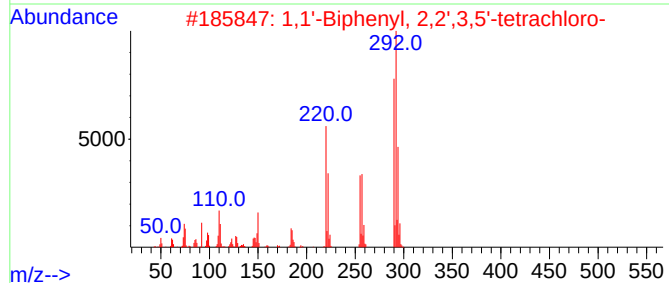
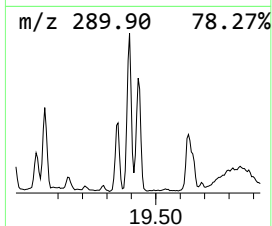
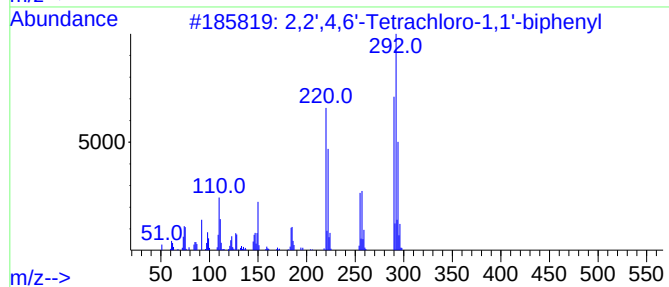
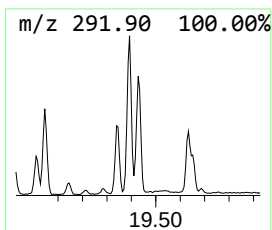
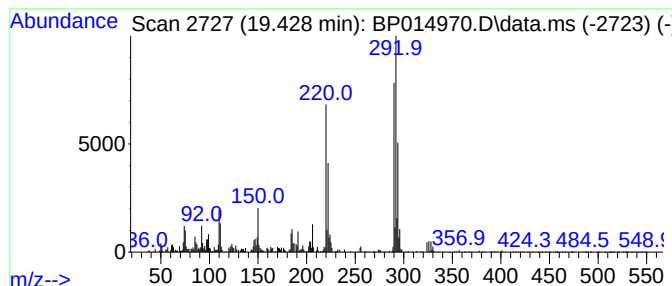
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 1,1'-Biphenyl, 2,2',3,5'-te... Concentration Rank 3

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 19.428 | 7.46 ng/ul | 1023500 | Phenanthrene-d10 | 17.569 |

| Hit# | of                                    | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|---------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2,2',4,6'-Tetrachloro-1,1'-biphenyl   | 290 | C12H6Cl4     | 068194-04-7 | 99      |      |      |
| 2    | 1,1'-Biphenyl, 2,2',3,5'-tetrachloro- | 290 | C12H6Cl4     | 041464-39-5 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,2',4,5'-tetrachloro- | 290 | C12H6Cl4     | 041464-40-8 | 99      |      |      |
| 4    | 2,2',4,5-Tetrachloro-1,1'-biphenyl    | 290 | C12H6Cl4     | 070362-47-9 | 99      |      |      |
| 5    | 2,3,3',6-Tetrachloro-1,1'-biphenyl    | 290 | C12H6Cl4     | 074472-33-6 | 99      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

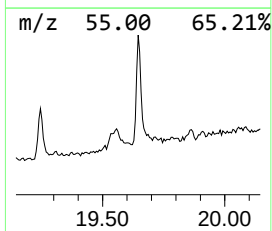
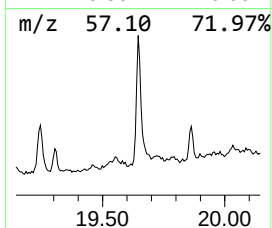
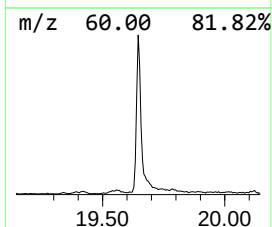
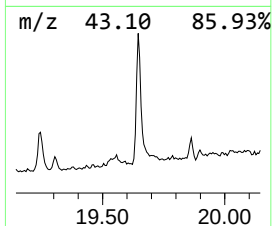
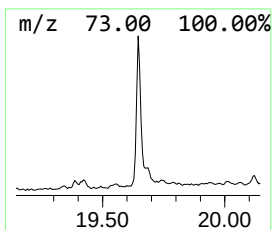
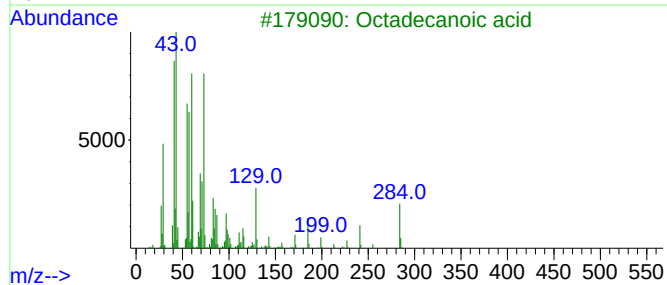
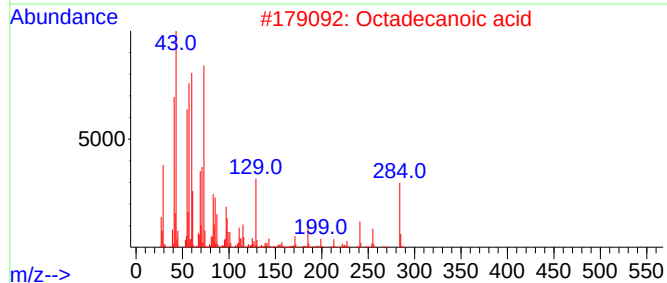
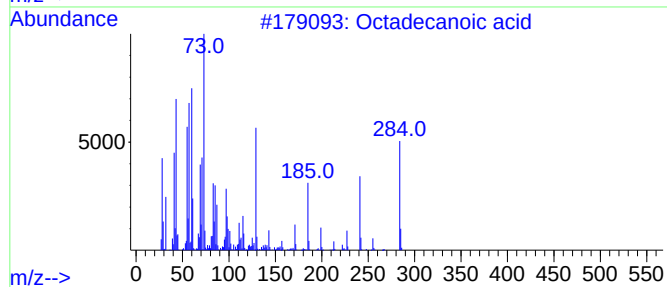
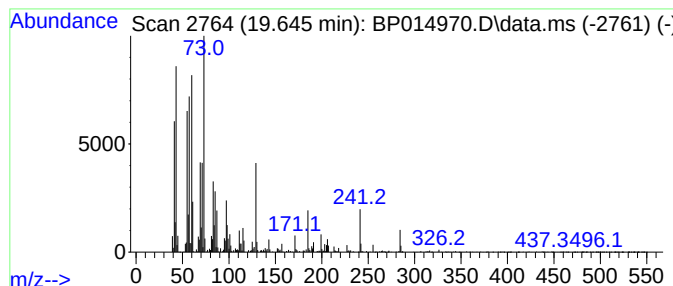
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Quant Title : SVOA CALIBRATION

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

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Peak Number 17 Octadecanoic acid Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 19.645 | 7.42 ng/ul | 1024570 | Chrysene-d12     | 21.651 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 98   |
| 2    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 95   |
| 3    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 94   |
| 4    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 93   |
| 5    |    |   | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

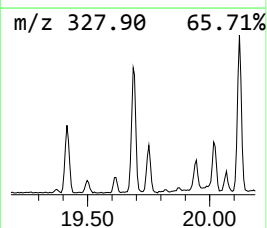
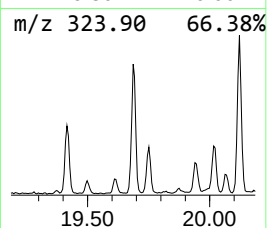
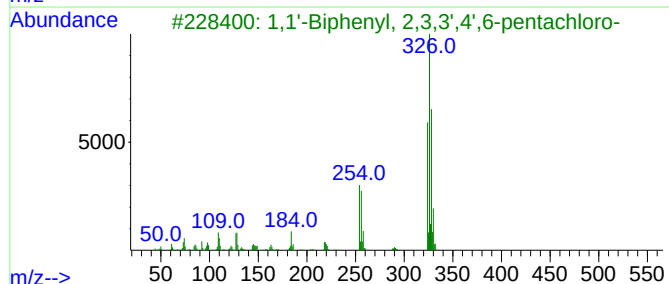
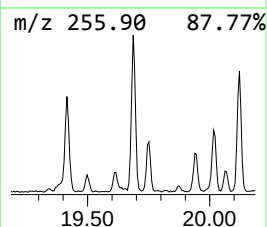
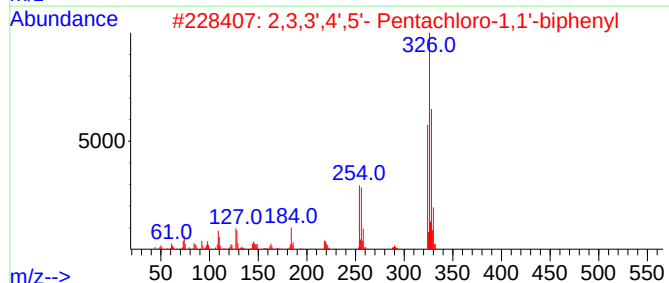
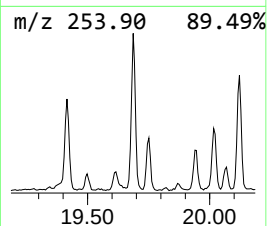
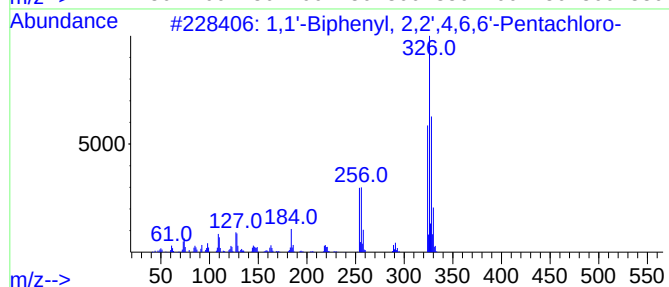
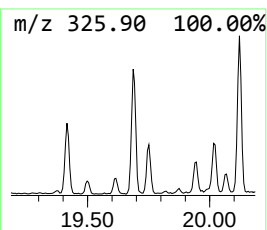
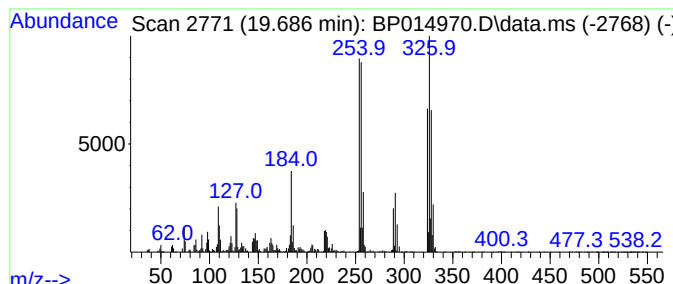
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Quant Title : SVOA CALIBRATION

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

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Peak Number 18 1,1'-Biphenyl, 2,2',4,6,6'-... Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 19.686 | 5.80 ng/ul | 801416 | Chrysene-d12     | 21.651 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,2',4,6,6'-Penta... | 324 | C12H5Cl5     | 056558-16-8 | 99      |      |      |
| 2    | 2,3,3',4',5'- Pentachloro-1,1'-b... | 324 | C12H5Cl5     | 076842-07-4 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,3,3',4',6-penta... | 324 | C12H5Cl5     | 038380-03-9 | 99      |      |      |
| 4    | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5     | 032598-14-4 | 99      |      |      |
| 5    | 1,1'-Biphenyl, 2,2',4,5,5'-penta... | 324 | C12H5Cl5     | 037680-73-2 | 99      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

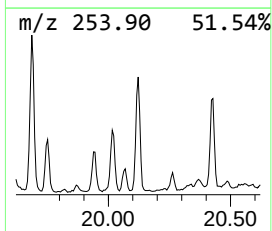
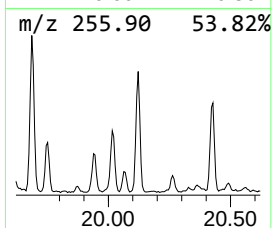
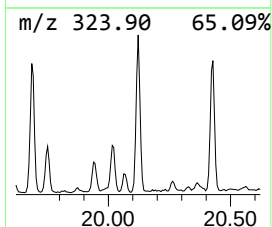
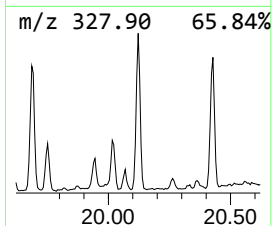
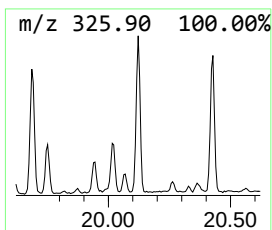
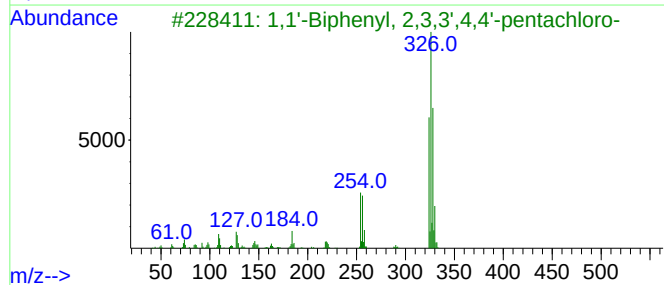
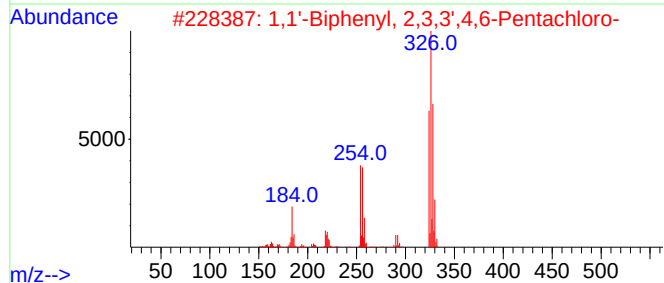
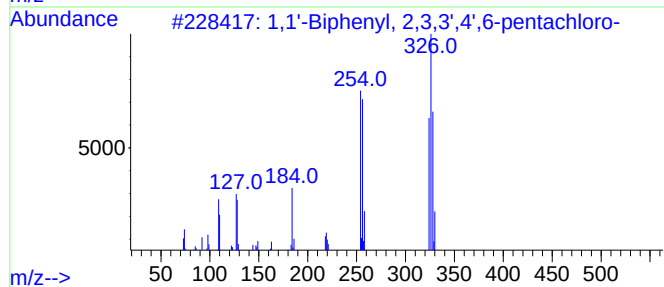
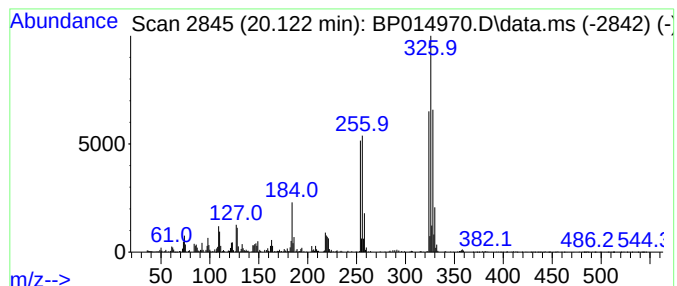
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Quant Title : SVOA CALIBRATION

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

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Peak Number 19 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 20.122    | 4.45 ng/ul                          | 615258 | Chrysene-d12     | 21.651      |      |
| 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, 2,3,3',4,6-Pentac... | 324    | C12H5Cl5         | 074472-35-8 | 99   |
| 3         | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324    | C12H5Cl5         | 032598-14-4 | 99   |
| 4         | 3,3',4,4',5-Pentachloro-1,1'-bi...  | 324    | C12H5Cl5         | 057465-28-8 | 99   |
| 5         | 1,1'-Biphenyl, 2,3',4,4',5-penta... | 324    | C12H5Cl5         | 031508-00-6 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

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

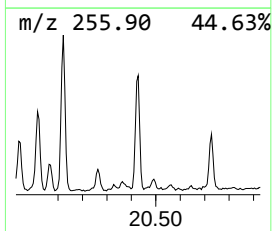
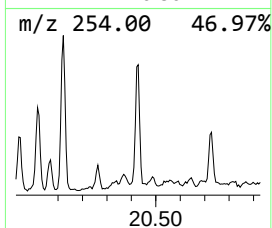
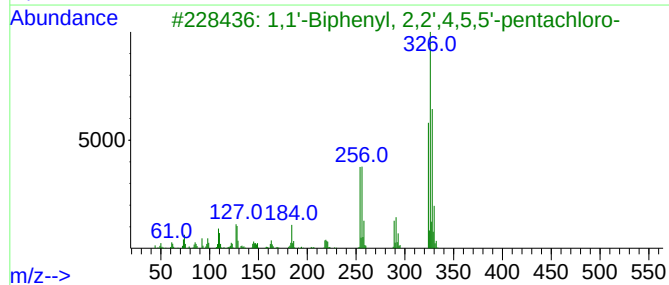
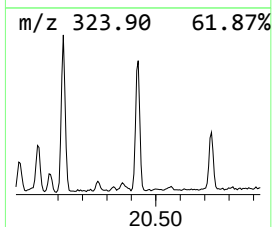
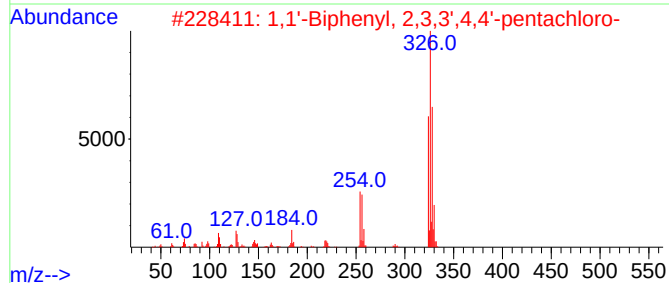
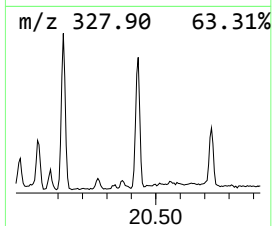
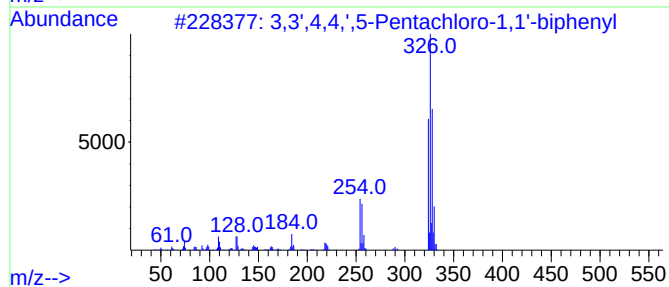
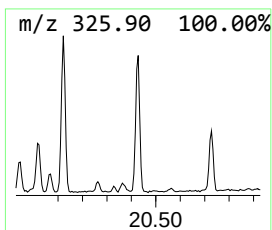
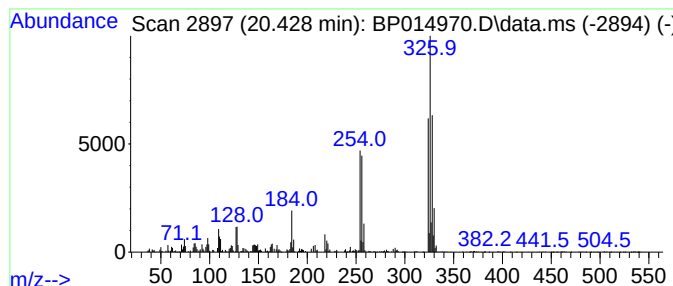
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TIC Integration Parameters: LSCINT.P

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Peak Number 20 3,3',4,4',5-Pentachloro-1,... Concentration Rank 16

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 20.428 | 2.96 ng/ul | 409456 | Chrysene-d12     | 21.651 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 3,3',4,4',5-Pentachloro-1,1'-bi...  | 324 | C12H5Cl5     | 057465-28-8 | 99      |      |      |
| 2    | 1,1'-Biphenyl, 2,3,3',4,4'-penta... | 324 | C12H5Cl5     | 032598-14-4 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,2',4,5,5'-penta... | 324 | C12H5Cl5     | 037680-73-2 | 99      |      |      |
| 4    | 2,3',4,4',5'-Pentachloro-1,1'-bi... | 324 | C12H5Cl5     | 065510-44-3 | 99      |      |      |
| 5    | 1,1'-Biphenyl, 2,2',4,5,5'-penta... | 324 | C12H5Cl5     | 037680-73-2 | 99      |      |      |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EW944

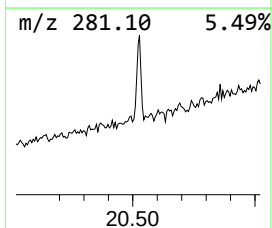
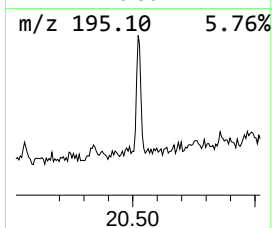
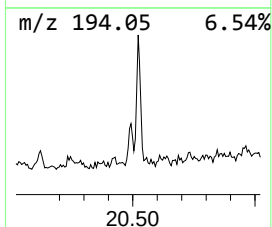
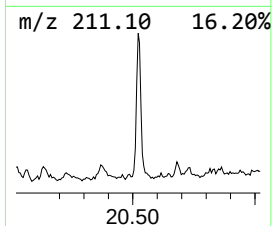
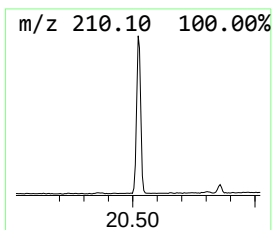
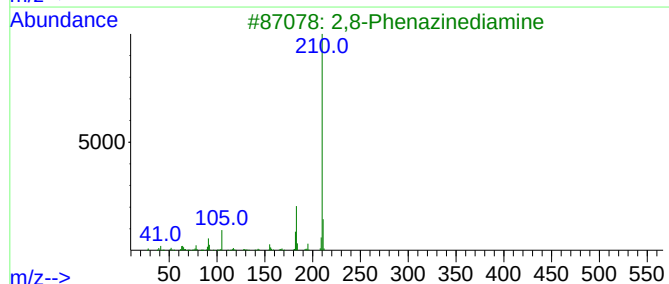
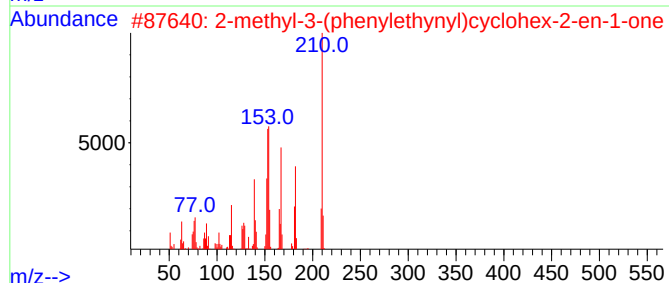
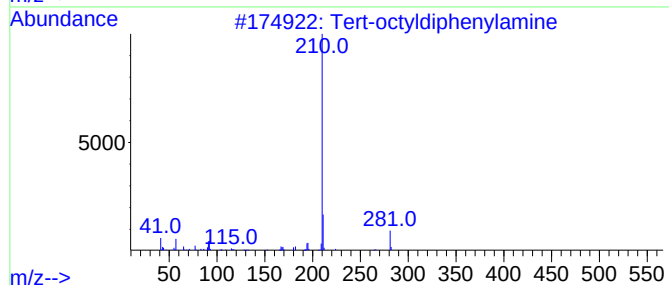
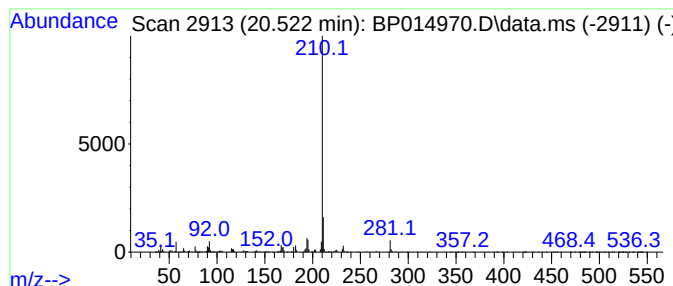
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Quant Title : SVOA CALIBRATION

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

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Peak Number 21 Tert-octyldiphenylamine Concentration Rank 14

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 20.522 | 3.43 ng/ul | 473244 | Chrysene-d12     | 21.651 |

| Hit# | of | 5 | Tentative ID                                  | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-----------------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tert-octyldiphenylamine                       | 281 | C20H27N  | 1000370-31-3 | 94   |
| 2    |    |   | 2-methyl-3-(phenylethynyl)cyclohex-2-en-1-one | 210 | C15H14O  | 1010466-55-6 | 81   |
| 3    |    |   | 2,8-Phenazinediamine                          | 210 | C12H10N4 | 007704-40-7  | 80   |
| 4    |    |   | Benzenamine, 4,4'-(1,2-ethenediyl)-           | 210 | C14H14N2 | 000621-96-5  | 80   |
| 5    |    |   | Benzene, 1-methoxy-2-(2-phenylethynyl)-       | 210 | C15H14O  | 052805-92-2  | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
Data File : BP014970.D  
Acq On : 05 May 2023 01:01  
Operator : CG/JU  
Sample : 02479-03  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

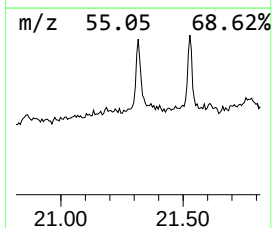
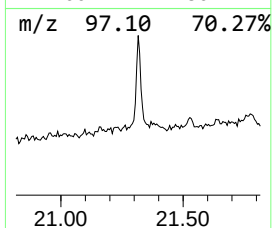
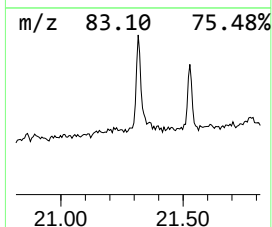
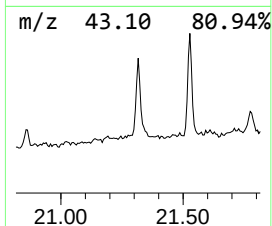
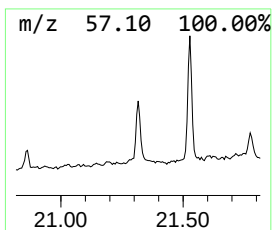
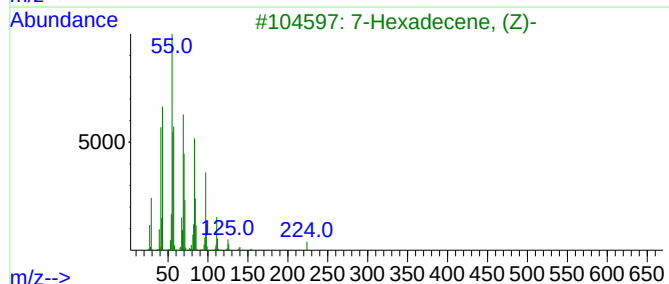
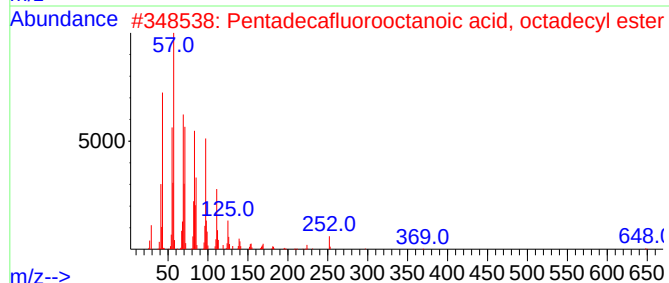
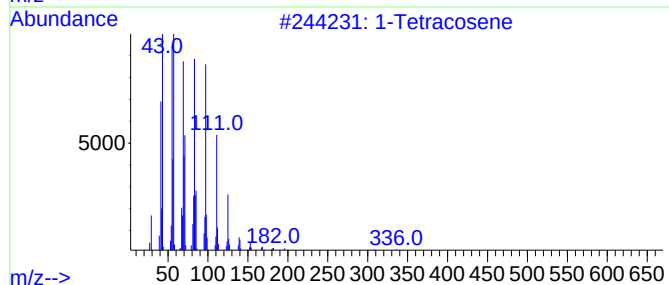
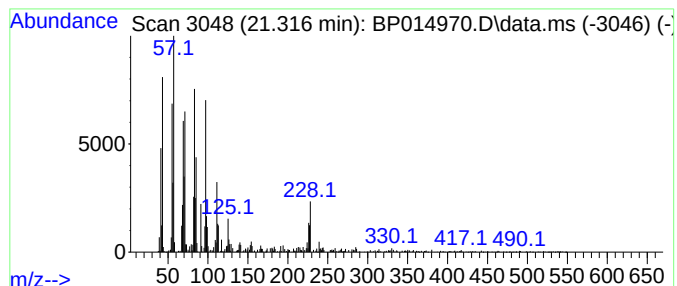
Instrument :  
BNA\_P  
ClientSampleId :  
EW944

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

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

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Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD |             | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|-------------|--------------|------|
| 21.316    | 5.94 ng/ul                          | 820959 | Chrysene-d12     |             | 21.651       |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm     | CAS#         | Qual |
| 1         | 1-Tetracosene                       |        | 336              | C24H48      | 010192-32-2  | 98   |
| 2         | Pentadecafluorooctanoic acid, oc... |        | 666              | C26H37F15O2 | 1000406-04-8 | 93   |
| 3         | 7-Hexadecene, (Z)-                  |        | 224              | C16H32      | 035507-09-6  | 92   |
| 4         | Ethanol, 2-(tetradecyloxy)-         |        | 258              | C16H34O2    | 002136-70-1  | 91   |
| 5         | Cyclohexadecane                     |        | 224              | C16H32      | 000295-65-8  | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050423\  
 Data File : BP014970.D  
 Acq On : 05 May 2023 01:01  
 Operator : CG/JU  
 Sample : 02479-03  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EW944

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

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| unknown-01         | 4.017  | 2.7     | ng/ul | 223571   | 1                     | 8.169  | 1645030 | 20.0 |
| Benzophenone       | 16.163 | 3.8     | ng/ul | 434931   | 3                     | 14.810 | 2280660 | 20.0 |
| 1,1'-Biphenyl, ... | 17.740 | 2.6     | ng/ul | 361184   | 4                     | 17.569 | 2743070 | 20.0 |
| 1,1'-Biphenyl, ... | 18.151 | 13.1    | ng/ul | 1794340  | 4                     | 17.569 | 2743070 | 20.0 |
| 1,1'-Biphenyl, ... | 18.275 | 2.5     | ng/ul | 336566   | 4                     | 17.569 | 2743070 | 20.0 |
| unknown-02         | 18.392 | 2.3     | ng/ul | 310900   | 4                     | 17.569 | 2743070 | 20.0 |
| n-Hexadecanoic ... | 18.422 | 10.9    | ng/ul | 1501070  | 4                     | 17.569 | 2743070 | 20.0 |
| 2,2',4,6'-Tetra... | 18.604 | 7.2     | ng/ul | 991868   | 4                     | 17.569 | 2743070 | 20.0 |
| 1,1'-Biphenyl, ... | 18.663 | 3.5     | ng/ul | 486887   | 4                     | 17.569 | 2743070 | 20.0 |
| 1,1'-Biphenyl, ... | 18.704 | 2.5     | ng/ul | 342338   | 4                     | 17.569 | 2743070 | 20.0 |
| 2,2',4,5-Tetrac... | 18.875 | 6.2     | ng/ul | 846815   | 4                     | 17.569 | 2743070 | 20.0 |
| 1,1'-Biphenyl, ... | 19.045 | 3.0     | ng/ul | 407757   | 4                     | 17.569 | 2743070 | 20.0 |
| (DEL) Alkane: S... | 19.245 | 2.4     | ng/ul | 333378   | 4                     | 17.569 | 2743070 | 20.0 |
| 1,1'-Biphenyl, ... | 19.345 | 3.5     | ng/ul | 482126   | 4                     | 17.569 | 2743070 | 20.0 |
| 1,1'-Biphenyl, ... | 19.392 | 5.8     | ng/ul | 795966   | 4                     | 17.569 | 2743070 | 20.0 |
| 1,1'-Biphenyl, ... | 19.428 | 7.5     | ng/ul | 1023500  | 4                     | 17.569 | 2743070 | 20.0 |
| Octadecanoic acid  | 19.645 | 7.4     | ng/ul | 1024570  | 5                     | 21.651 | 2762560 | 20.0 |
| 1,1'-Biphenyl, ... | 19.686 | 5.8     | ng/ul | 801416   | 5                     | 21.651 | 2762560 | 20.0 |
| 1,1'-Biphenyl, ... | 20.122 | 4.5     | ng/ul | 615258   | 5                     | 21.651 | 2762560 | 20.0 |
| 3,3',4,4',5-Pe...  | 20.428 | 3.0     | ng/ul | 409456   | 5                     | 21.651 | 2762560 | 20.0 |
| Tert-octyldiphe... | 20.522 | 3.4     | ng/ul | 473244   | 5                     | 21.651 | 2762560 | 20.0 |
| (DEL) Alkane: S... | 21.316 | 5.9     | ng/ul | 820959   | 5                     | 21.651 | 2762560 | 20.0 |