

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
 Data File : BN022111.D  
 Acq On : 14 Oct 2022 06:09  
 Operator : CG/JU  
 Sample : N5049-04  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BG6

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
 Title : SVOA CALIBRATION

Signal : TIC: BN022111.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         | 3.252       | 41            | 45          | 56           | rVB      | 42319          | 68374         | 1.14%           | 0.083%        |
| 2         | 3.699       | 117           | 121         | 136          | rBV      | 164198         | 295813        | 4.93%           | 0.357%        |
| 3         | 3.811       | 136           | 140         | 147          | rVB      | 36213          | 54340         | 0.91%           | 0.066%        |
| 4         | 3.934       | 156           | 161         | 169          | rVB      | 35967          | 64580         | 1.08%           | 0.078%        |
| 5         | 4.028       | 172           | 177         | 188          | rVB      | 57581          | 92526         | 1.54%           | 0.112%        |
| 6         | 5.540       | 428           | 434         | 442          | rBV      | 75014          | 139463        | 2.33%           | 0.168%        |
| 7         | 5.922       | 491           | 499         | 504          | rBV      | 122017         | 191771        | 3.20%           | 0.232%        |
| 8         | 6.411       | 574           | 582         | 589          | rBV4     | 40757          | 84064         | 1.40%           | 0.102%        |
| 9         | 6.916       | 661           | 668         | 674          | rBV      | 30771          | 60521         | 1.01%           | 0.073%        |
| 10        | 7.111       | 690           | 701         | 715          | rVB      | 755096         | 1316429       | 21.95%          | 1.590%        |
| 11        | 7.281       | 723           | 730         | 736          | rBV      | 679310         | 1072379       | 17.88%          | 1.295%        |
| 12        | 7.475       | 757           | 763         | 773          | rVV      | 763465         | 1218471       | 20.32%          | 1.472%        |
| 13        | 7.593       | 779           | 783         | 790          | rVB      | 75150          | 119940        | 2.00%           | 0.145%        |
| 14        | 7.952       | 834           | 844         | 853          | rBV      | 691537         | 1155989       | 19.28%          | 1.396%        |
| 15        | 8.063       | 858           | 863         | 871          | rBV2     | 32463          | 57458         | 0.96%           | 0.069%        |
| 16        | 8.505       | 925           | 938         | 946          | rVB3     | 23924          | 62415         | 1.04%           | 0.075%        |
| 17        | 8.605       | 949           | 955         | 960          | rBV3     | 24687          | 51559         | 0.86%           | 0.062%        |
| 18        | 8.669       | 960           | 966         | 978          | rVV      | 848041         | 1405118       | 23.43%          | 1.697%        |
| 19        | 8.793       | 979           | 987         | 994          | rVV      | 50155          | 104626        | 1.74%           | 0.126%        |
| 20        | 9.069       | 1023          | 1034        | 1038         | rBV3     | 24976          | 51759         | 0.86%           | 0.063%        |
| 21        | 9.134       | 1038          | 1045        | 1051         | rVV      | 797477         | 1290264       | 21.52%          | 1.558%        |
| 22        | 9.187       | 1051          | 1054        | 1059         | rVB      | 37761          | 52827         | 0.88%           | 0.064%        |
| 23        | 9.863       | 1161          | 1169        | 1179         | rBV      | 628534         | 1085955       | 18.11%          | 1.312%        |
| 24        | 10.187      | 1218          | 1224        | 1236         | rBV      | 19412          | 65958         | 1.10%           | 0.080%        |
| 25        | 10.346      | 1245          | 1251        | 1255         | rVV2     | 73162          | 135165        | 2.25%           | 0.163%        |
| 26        | 10.399      | 1255          | 1260        | 1269         | rVV      | 958760         | 1585607       | 26.44%          | 1.915%        |
| 27        | 10.557      | 1281          | 1287        | 1298         | rBV      | 58862          | 120068        | 2.00%           | 0.145%        |
| 28        | 10.781      | 1315          | 1325        | 1331         | rBV      | 1039799        | 1910367       | 31.86%          | 2.307%        |
| 29        | 10.834      | 1331          | 1334        | 1340         | rVB      | 224439         | 340206        | 5.67%           | 0.411%        |
| 30        | 10.928      | 1342          | 1350        | 1360         | rBV      | 780510         | 1339884       | 22.35%          | 1.618%        |
| 31        | 11.804      | 1494          | 1499        | 1504         | rVV      | 43286          | 66754         | 1.11%           | 0.081%        |
| 32        | 12.204      | 1561          | 1567        | 1577         | rVB      | 57638          | 99909         | 1.67%           | 0.121%        |
| 33        | 12.452      | 1603          | 1609        | 1615         | rVB      | 306000         | 481457        | 8.03%           | 0.581%        |
| 34        | 12.669      | 1640          | 1646        | 1654         | rVB      | 259883         | 404872        | 6.75%           | 0.489%        |
| 35        | 13.151      | 1724          | 1728        | 1735         | rVB      | 38745          | 62522         | 1.04%           | 0.076%        |
| 36        | 13.446      | 1771          | 1778        | 1785         | rBV2     | 83344          | 177357        | 2.96%           | 0.214%        |

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |     |        |        |       |        |
|----|--------|------|------|------|-----|--------|--------|-------|--------|
| 37 | 13.657 | 1809 | 1814 | 1816 | rBV | 35815  | 56878  | 0.95% | 0.069% |
| 38 | 13.787 | 1831 | 1836 | 1838 | rBV | 67860  | 108529 | 1.81% | 0.131% |
| 39 | 13.946 | 1857 | 1863 | 1868 | rVV | 178569 | 302761 | 5.05% | 0.366% |
| 40 | 14.004 | 1868 | 1873 | 1874 | rVV | 148781 | 209696 | 3.50% | 0.253% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 41 | 14.040 | 1874 | 1879 | 1884 | rVV  | 1781715 | 2423693 | 40.42% | 2.927% |
| 42 | 14.098 | 1885 | 1889 | 1893 | rVV  | 78612   | 116018  | 1.93%  | 0.140% |
| 43 | 14.181 | 1899 | 1903 | 1907 | rVV  | 108497  | 170132  | 2.84%  | 0.205% |
| 44 | 14.216 | 1907 | 1909 | 1914 | rVB  | 54338   | 64581   | 1.08%  | 0.078% |
| 45 | 14.322 | 1920 | 1927 | 1939 | rVB2 | 2002566 | 3219833 | 53.70% | 3.889% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 46 | 14.516 | 1955 | 1960 | 1964 | rBV  | 80678   | 108893  | 1.82%  | 0.132% |
| 47 | 14.628 | 1969 | 1979 | 1985 | rBV  | 1677004 | 2564577 | 42.77% | 3.097% |
| 48 | 14.687 | 1985 | 1989 | 1997 | rVB3 | 41265   | 107156  | 1.79%  | 0.129% |
| 49 | 14.828 | 2007 | 2013 | 2022 | rBV  | 614629  | 973837  | 16.24% | 1.176% |
| 50 | 14.922 | 2022 | 2029 | 2036 | rBV6 | 35061   | 96219   | 1.60%  | 0.116% |

|    |        |      |      |      |      |        |        |       |        |
|----|--------|------|------|------|------|--------|--------|-------|--------|
| 51 | 15.022 | 2042 | 2046 | 2054 | rVB  | 155695 | 279076 | 4.65% | 0.337% |
| 52 | 15.098 | 2056 | 2059 | 2062 | rVB  | 46505  | 54244  | 0.90% | 0.066% |
| 53 | 15.245 | 2079 | 2084 | 2088 | rBV  | 57964  | 90896  | 1.52% | 0.110% |
| 54 | 15.298 | 2088 | 2093 | 2097 | rVB  | 43903  | 60049  | 1.00% | 0.073% |
| 55 | 15.410 | 2106 | 2112 | 2116 | rBV3 | 82413  | 161683 | 2.70% | 0.195% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 56 | 15.463 | 2116 | 2121 | 2126 | rVB2 | 85024   | 147133  | 2.45%  | 0.178% |
| 57 | 15.622 | 2142 | 2148 | 2153 | rBV  | 2598871 | 3647508 | 60.83% | 4.405% |
| 58 | 15.663 | 2153 | 2155 | 2161 | rVB2 | 185442  | 256685  | 4.28%  | 0.310% |
| 59 | 15.740 | 2163 | 2168 | 2176 | rVB  | 753023  | 1007600 | 16.80% | 1.217% |
| 60 | 15.875 | 2187 | 2191 | 2199 | rVB6 | 60900   | 132094  | 2.20%  | 0.160% |

|    |        |      |      |      |      |        |        |       |        |
|----|--------|------|------|------|------|--------|--------|-------|--------|
| 61 | 15.969 | 2203 | 2207 | 2213 | rVB  | 102970 | 162661 | 2.71% | 0.196% |
| 62 | 16.116 | 2229 | 2232 | 2240 | rVB  | 111601 | 205712 | 3.43% | 0.248% |
| 63 | 16.351 | 2264 | 2272 | 2278 | rBV  | 281893 | 537998 | 8.97% | 0.650% |
| 64 | 16.916 | 2363 | 2368 | 2372 | rBV3 | 88755  | 172240 | 2.87% | 0.208% |
| 65 | 17.034 | 2384 | 2388 | 2395 | rVB3 | 76792  | 118366 | 1.97% | 0.143% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 66 | 17.128 | 2397 | 2404 | 2408 | rBV2 | 128672  | 218552  | 3.64%  | 0.264% |
| 67 | 17.381 | 2441 | 2447 | 2451 | rBV  | 1988368 | 2945250 | 49.12% | 3.557% |
| 68 | 17.428 | 2451 | 2455 | 2459 | rVB  | 1288189 | 1770695 | 29.53% | 2.139% |
| 69 | 17.481 | 2459 | 2464 | 2469 | rBV2 | 2694000 | 3890211 | 64.88% | 4.698% |
| 70 | 17.792 | 2513 | 2517 | 2525 | rVB  | 185915  | 263727  | 4.40%  | 0.319% |

|    |        |      |      |      |      |        |        |       |        |
|----|--------|------|------|------|------|--------|--------|-------|--------|
| 71 | 17.875 | 2527 | 2531 | 2534 | rVB  | 101286 | 121243 | 2.02% | 0.146% |
| 72 | 18.269 | 2593 | 2598 | 2602 | rBV2 | 337350 | 596000 | 9.94% | 0.720% |
| 73 | 18.310 | 2602 | 2605 | 2610 | rVB  | 383472 | 506217 | 8.44% | 0.611% |
| 74 | 18.392 | 2616 | 2619 | 2624 | rVB2 | 77173  | 96257  | 1.61% | 0.116% |
| 75 | 18.457 | 2625 | 2630 | 2634 | rVV3 | 259762 | 486202 | 8.11% | 0.587% |

|    |        |      |      |      |     |        |        |       |        |
|----|--------|------|------|------|-----|--------|--------|-------|--------|
| 76 | 18.492 | 2634 | 2636 | 2642 | rVB | 188175 | 243153 | 4.06% | 0.294% |
|----|--------|------|------|------|-----|--------|--------|-------|--------|

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 77  | 18.569 | 2645 | 2649 | 2653 | rBV  | 157255  | 200853  | 3.35%   | 0.243% |
| 78  | 18.763 | 2678 | 2682 | 2686 | rBV  | 189730  | 240654  | 4.01%   | 0.291% |
| 79  | 18.810 | 2686 | 2690 | 2694 | rVB  | 151966  | 197214  | 3.29%   | 0.238% |
| 80  | 19.010 | 2721 | 2724 | 2729 | rBV2 | 64326   | 83224   | 1.39%   | 0.101% |
| 81  | 19.181 | 2749 | 2753 | 2755 | rBV  | 185589  | 279749  | 4.67%   | 0.338% |
| 82  | 19.328 | 2773 | 2778 | 2785 | rVB3 | 150623  | 316624  | 5.28%   | 0.382% |
| 83  | 19.445 | 2793 | 2798 | 2805 | rVB  | 3074306 | 4127445 | 68.83%  | 4.985% |
| 84  | 19.551 | 2812 | 2816 | 2820 | rBV2 | 152298  | 208132  | 3.47%   | 0.251% |
| 85  | 19.781 | 2850 | 2855 | 2858 | rBV2 | 3584489 | 5294961 | 88.31%  | 6.395% |
| 86  | 19.810 | 2858 | 2860 | 2868 | rVB  | 2527349 | 3144457 | 52.44%  | 3.798% |
| 87  | 19.881 | 2868 | 2872 | 2879 | rVB2 | 195210  | 318894  | 5.32%   | 0.385% |
| 88  | 19.986 | 2888 | 2890 | 2896 | rVB  | 159089  | 209135  | 3.49%   | 0.253% |
| 89  | 20.133 | 2910 | 2915 | 2922 | rBV4 | 194880  | 508825  | 8.49%   | 0.615% |
| 90  | 20.404 | 2958 | 2961 | 2965 | rBV  | 146472  | 185581  | 3.09%   | 0.224% |
| 91  | 20.816 | 3028 | 3031 | 3034 | rVB  | 184901  | 198170  | 3.30%   | 0.239% |
| 92  | 21.057 | 3068 | 3072 | 3078 | rBV  | 378216  | 485547  | 8.10%   | 0.586% |
| 93  | 21.280 | 3104 | 3110 | 3119 | rBV4 | 632545  | 1523447 | 25.41%  | 1.840% |
| 94  | 21.357 | 3120 | 3123 | 3129 | rVB  | 361837  | 480667  | 8.02%   | 0.581% |
| 95  | 21.580 | 3154 | 3161 | 3165 | rBV2 | 2905970 | 5996179 | 100.00% | 7.242% |
| 96  | 21.622 | 3165 | 3168 | 3177 | rVB  | 1677185 | 2229299 | 37.18%  | 2.692% |
| 97  | 23.286 | 3446 | 3451 | 3457 | rBV2 | 1449662 | 3589512 | 59.86%  | 4.335% |
| 98  | 23.833 | 3539 | 3544 | 3548 | rBV  | 647669  | 1224655 | 20.42%  | 1.479% |
| 99  | 23.892 | 3548 | 3554 | 3558 | rBV2 | 1880357 | 3476689 | 57.98%  | 4.199% |
| 100 | 24.051 | 3575 | 3581 | 3587 | rBV2 | 1354573 | 2698404 | 45.00%  | 3.259% |

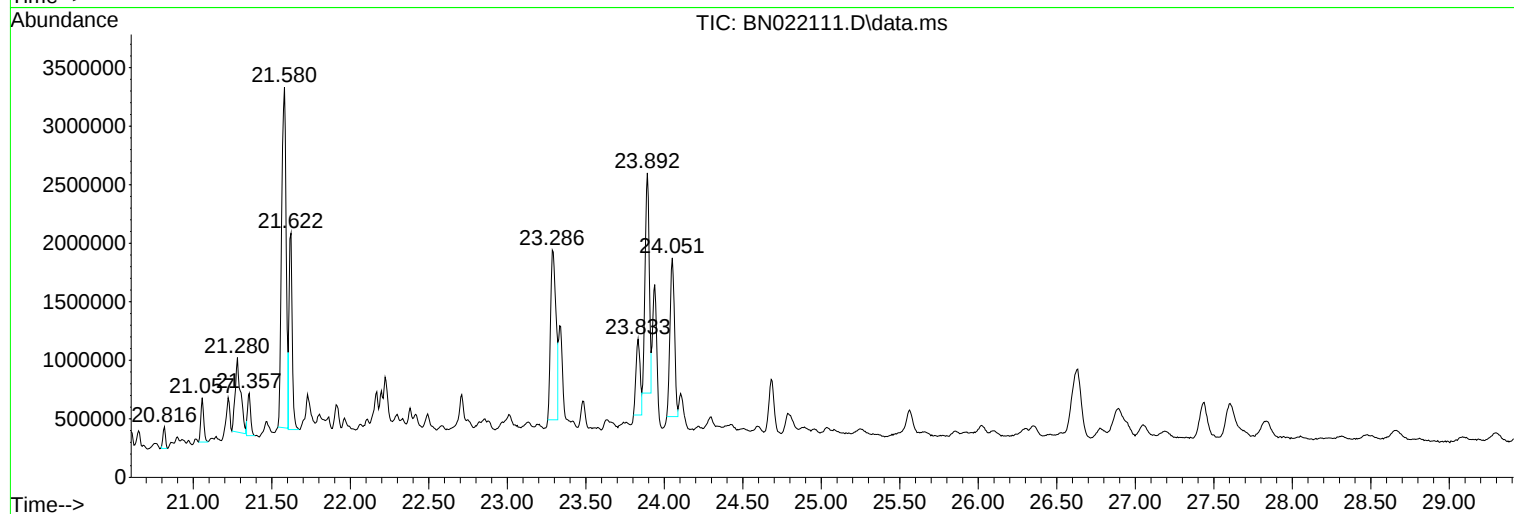
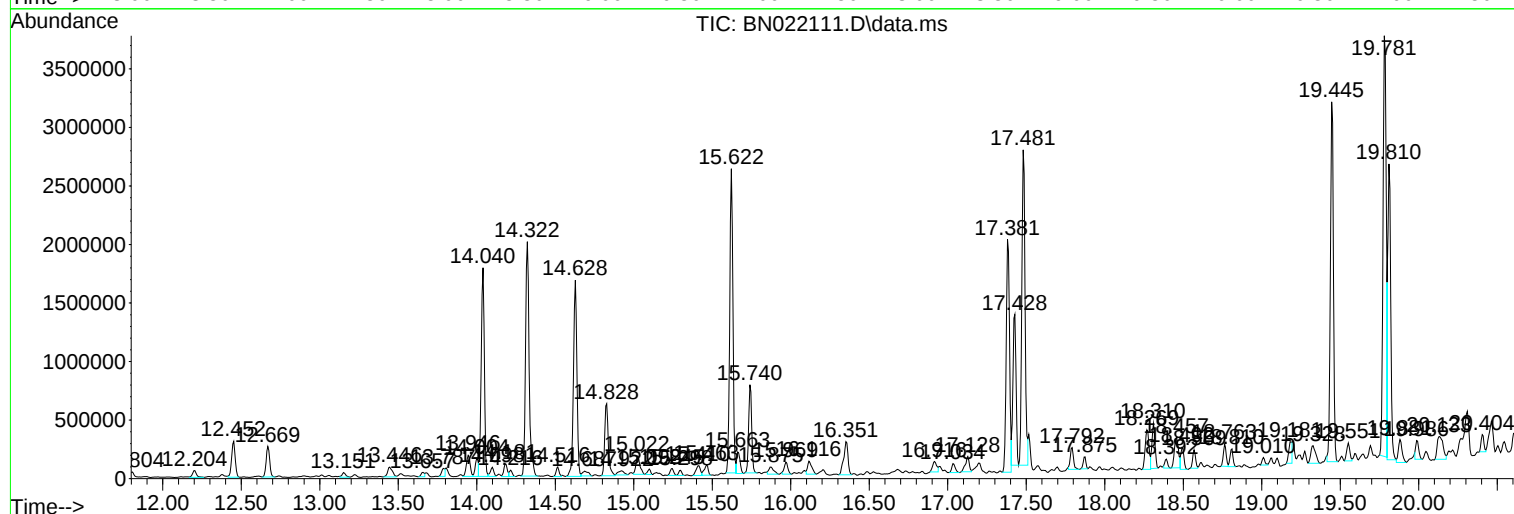
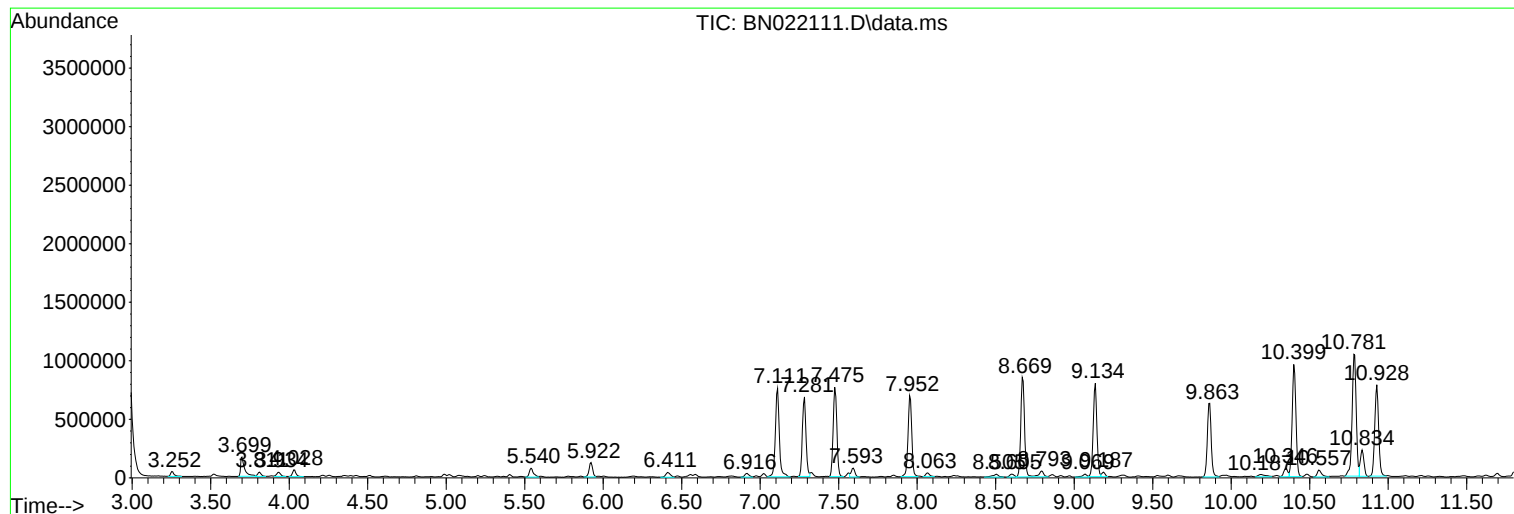
Sum of corrected areas: 82799339

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
Quant Title : SVOA CALIBRATION

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



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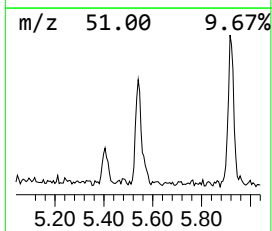
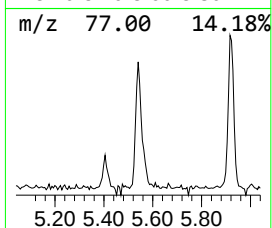
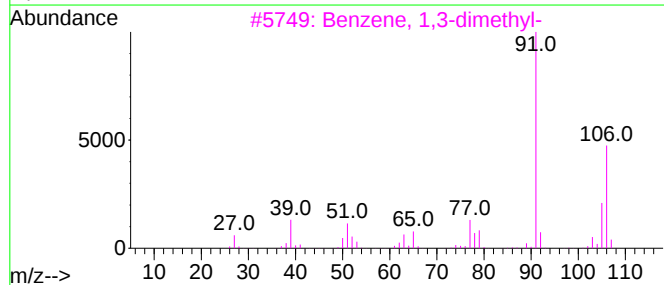
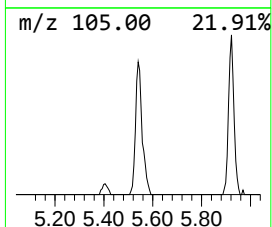
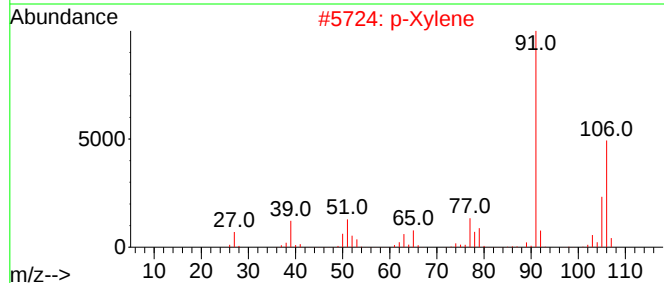
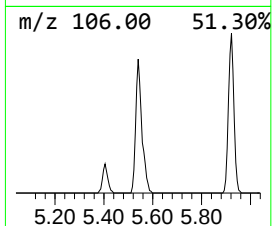
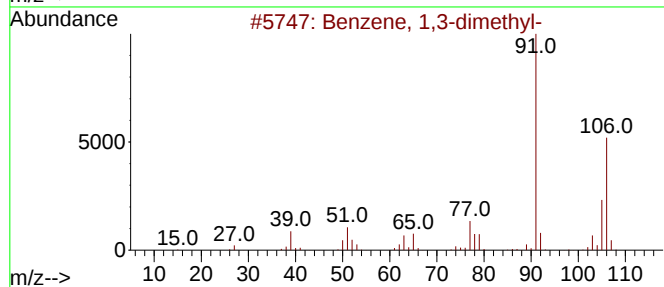
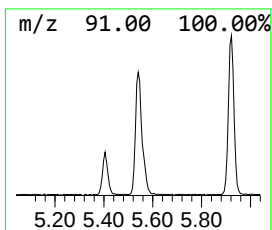
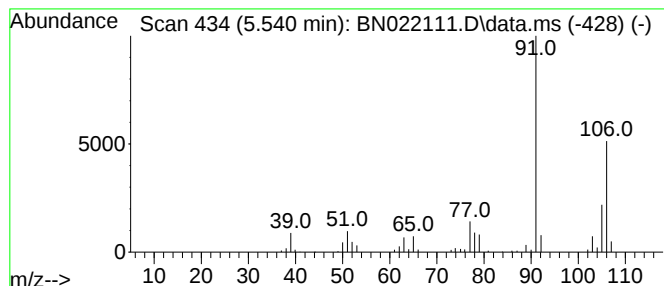
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 5.540 | 2.41 ng/ul | 139463 | 1,4-Dichlorobenzene-d4 | 7.952 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,3-dimethyl- | 106 | C8H10   | 000108-38-3 | 97   |
| 2    |    |   | p-Xylene               | 106 | C8H10   | 000106-42-3 | 97   |
| 3    |    |   | Benzene, 1,3-dimethyl- | 106 | C8H10   | 000108-38-3 | 97   |
| 4    |    |   | o-Xylene               | 106 | C8H10   | 000095-47-6 | 97   |
| 5    |    |   | p-Xylene               | 106 | C8H10   | 000106-42-3 | 95   |



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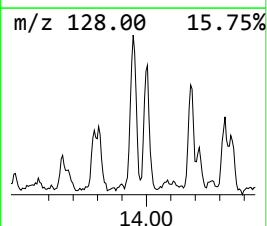
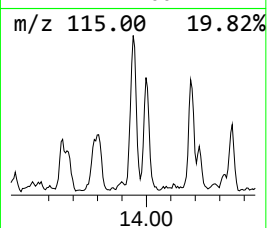
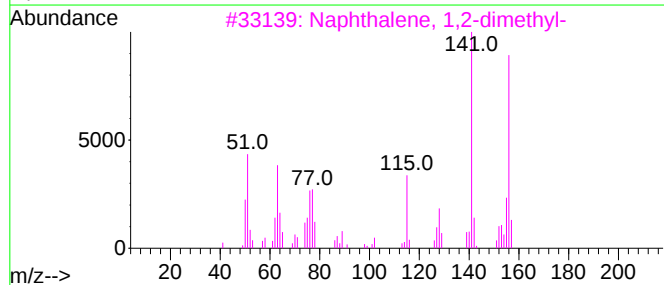
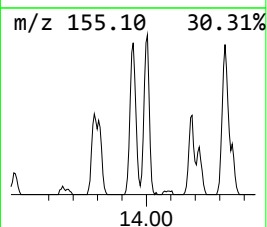
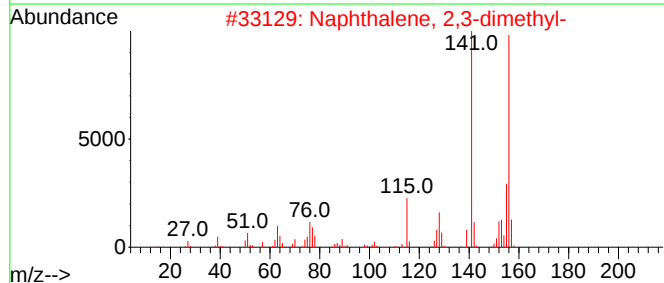
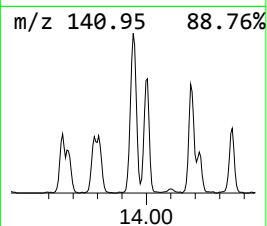
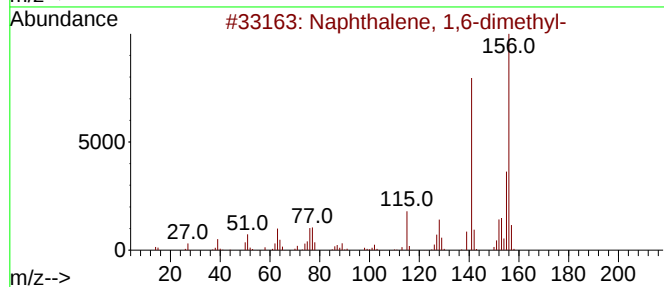
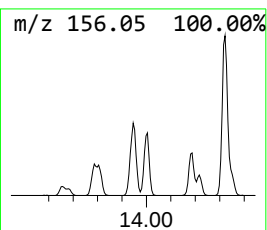
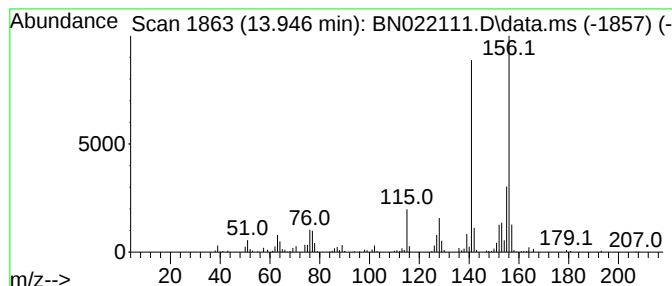
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Quant Title : SVOA CALIBRATION

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 13.945 | 2.36 ng/ul | 302761 | Acenaphthene-d10 | 14.628 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 98   |
| 2    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 3    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 97   |
| 4    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 5    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
Data File : BN022111.D  
Acq On : 14 Oct 2022 06:09  
Operator : CG/JU  
Sample : N5049-04  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0BG6

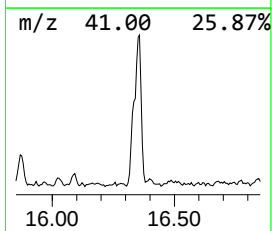
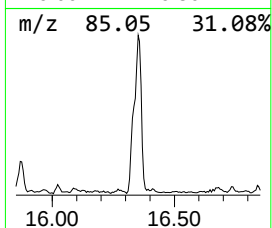
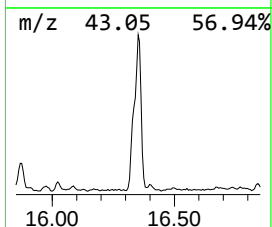
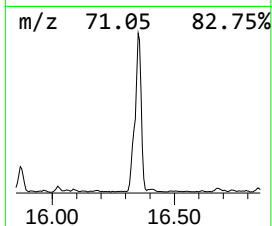
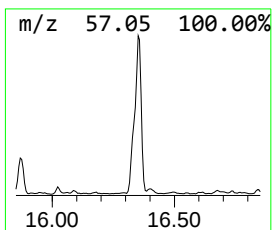
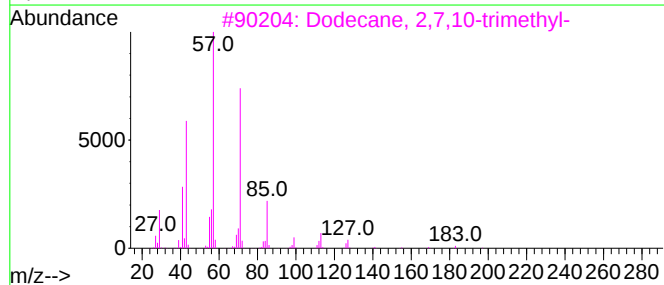
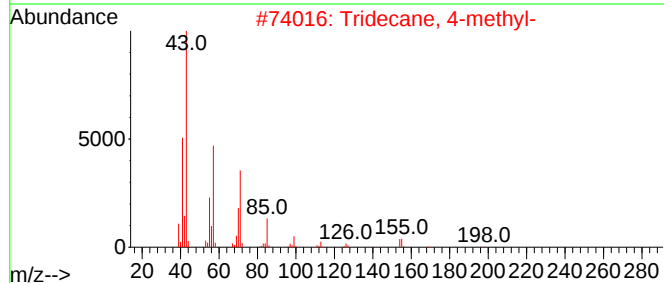
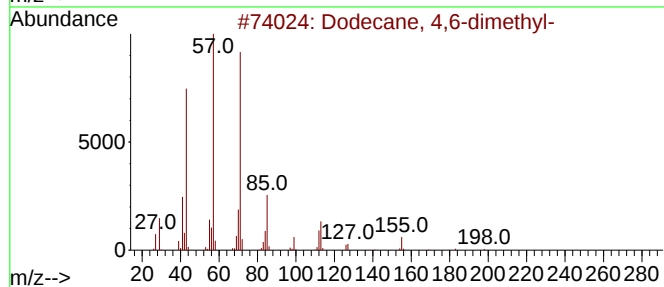
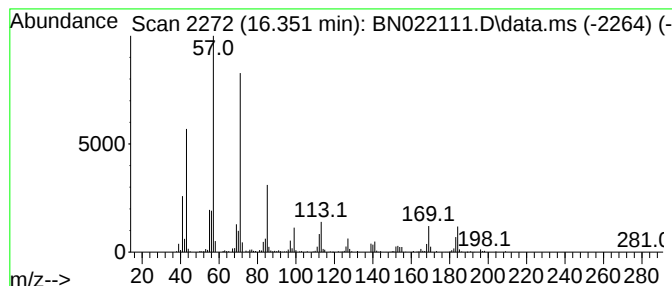
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Quant Title : SVOA CALIBRATION

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

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 16.351 | 3.65 ng/ul | 537998 | Phenanthrene-d10 | 17.381 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 4,6-dimethyl-     | 198 | C14H30  | 061141-72-8 | 74   |
| 2    |    |   | Tridecane, 4-methyl-        | 198 | C14H30  | 026730-12-1 | 74   |
| 3    |    |   | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 72   |
| 4    |    |   | Heptadecane, 2,6-dimethyl-  | 268 | C19H40  | 054105-67-8 | 72   |
| 5    |    |   | Tridecane, 3-methyl-        | 198 | C14H30  | 006418-41-3 | 70   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
Data File : BN022111.D  
Acq On : 14 Oct 2022 06:09  
Operator : CG/JU  
Sample : N5049-04  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

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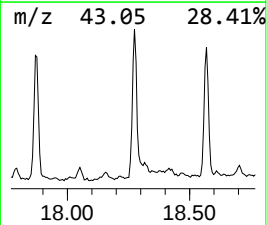
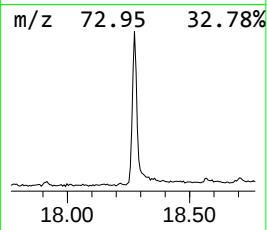
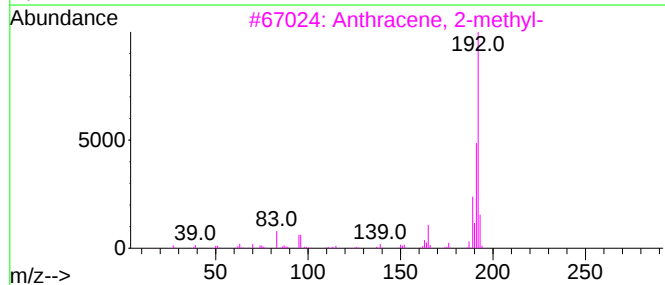
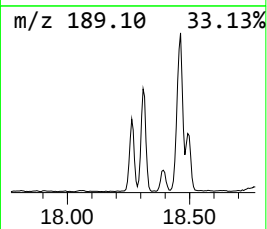
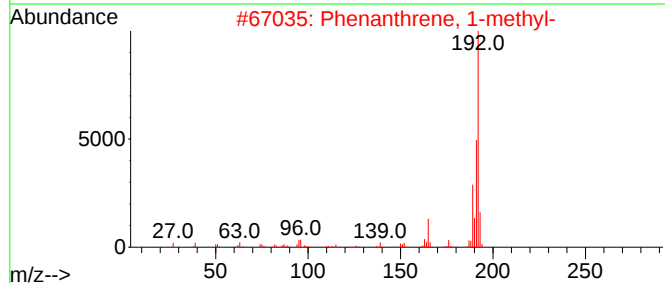
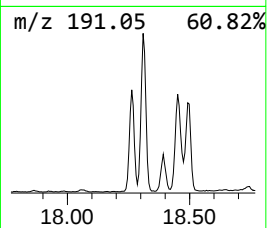
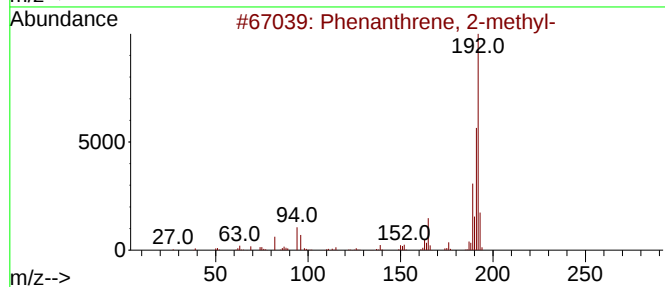
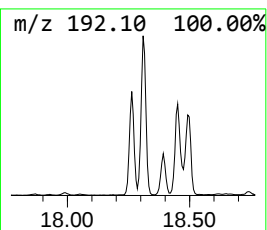
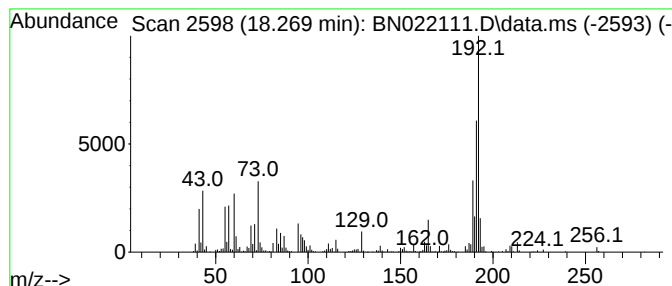
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Quant Title : SVOA CALIBRATION

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

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Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.269 | 4.05 ng/ul | 596000 | Phenanthrene-d10 | 17.381 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 96   |
| 3    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 96   |
| 4    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 96   |
| 5    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
Data File : BN022111.D  
Acq On : 14 Oct 2022 06:09  
Operator : CG/JU  
Sample : N5049-04  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

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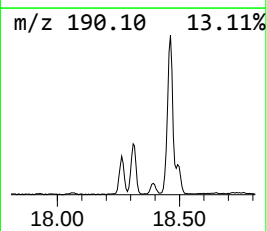
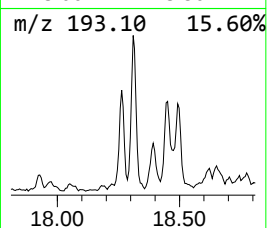
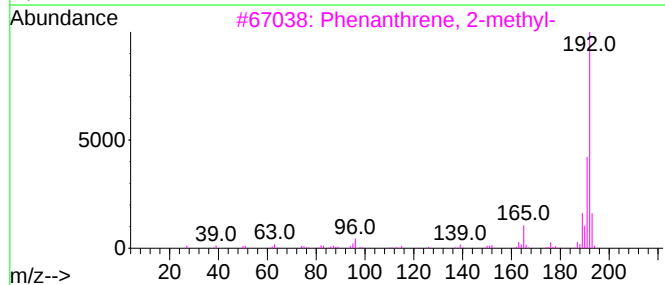
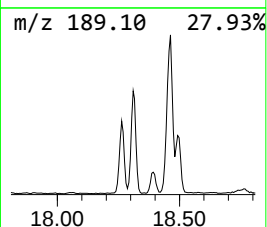
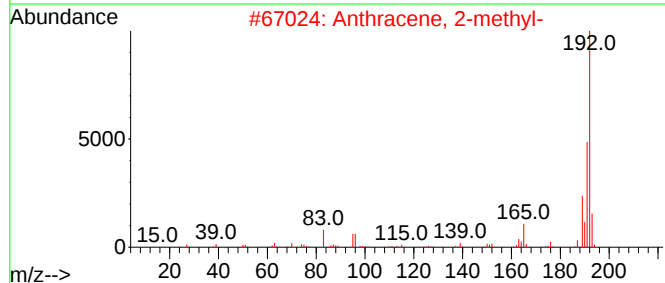
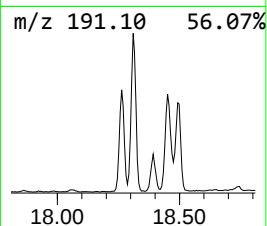
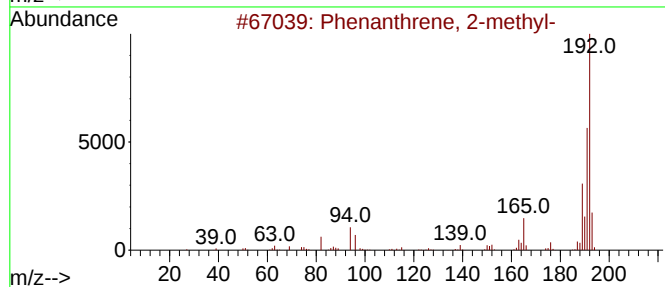
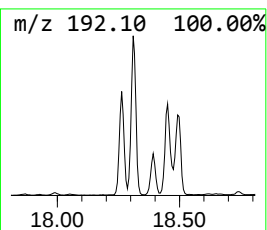
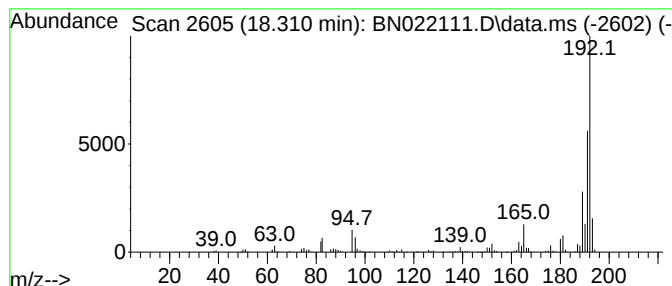
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 Anthracene, 2-methyl- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.310 | 3.44 ng/ul | 506217 | Phenanthrene-d10 | 17.381 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 96   |
| 3    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 96   |
| 4    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 96   |
| 5    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
Data File : BN022111.D  
Acq On : 14 Oct 2022 06:09  
Operator : CG/JU  
Sample : N5049-04  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0BG6

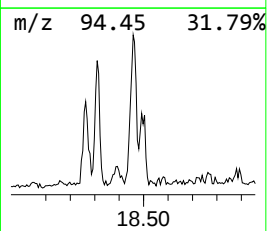
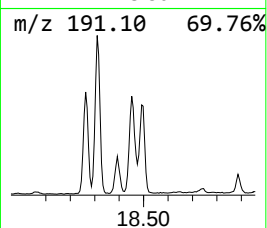
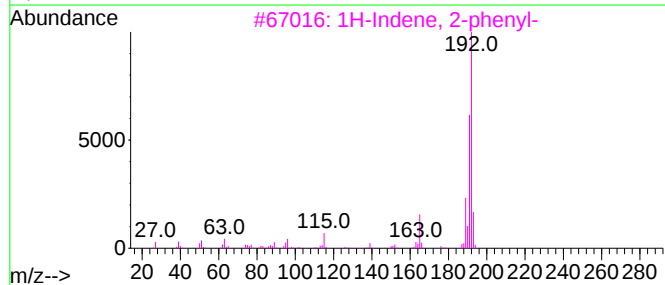
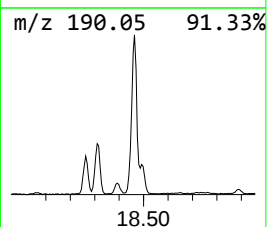
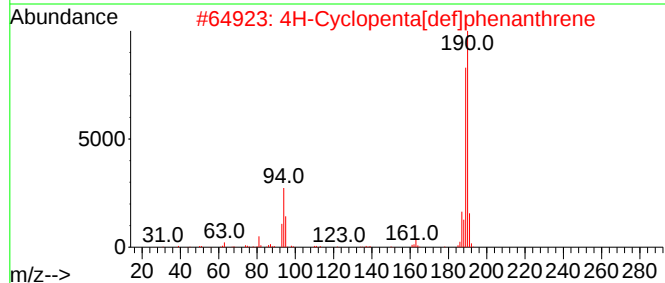
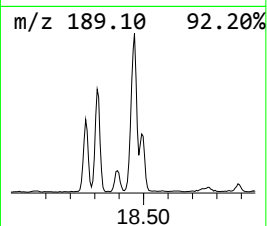
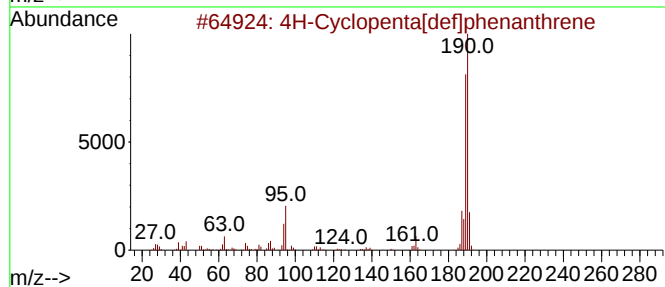
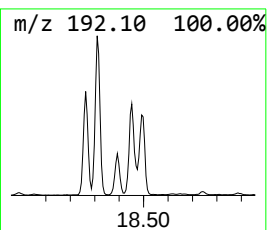
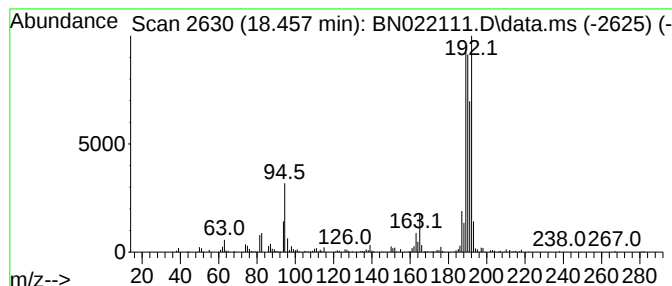
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Quant Title : SVOA CALIBRATION

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

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Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.457 | 3.30 ng/ul | 486202 | Phenanthrene-d10 | 17.381 |

| Hit# | of 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------------|-----|---------|-------------|------|
| 1    |      | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10  | 000203-64-5 | 50   |
| 2    |      | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10  | 000203-64-5 | 49   |
| 3    |      | 1H-Indene, 2-phenyl-           | 192 | C15H12  | 004505-48-0 | 42   |
| 4    |      | Phenanthrene, 4-methyl-        | 192 | C15H12  | 000832-64-4 | 42   |
| 5    |      | 5H-Dibenzo[a,d]cycloheptene    | 192 | C15H12  | 000256-81-5 | 42   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
Data File : BN022111.D  
Acq On : 14 Oct 2022 06:09  
Operator : CG/JU  
Sample : N5049-04  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

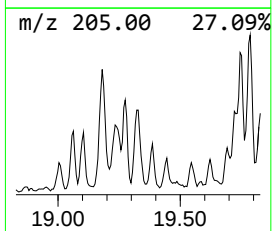
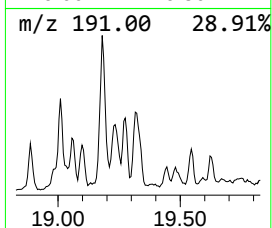
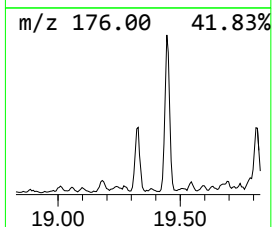
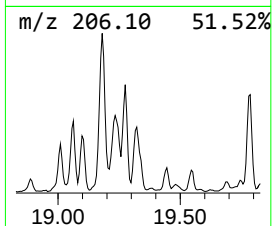
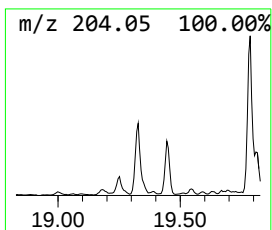
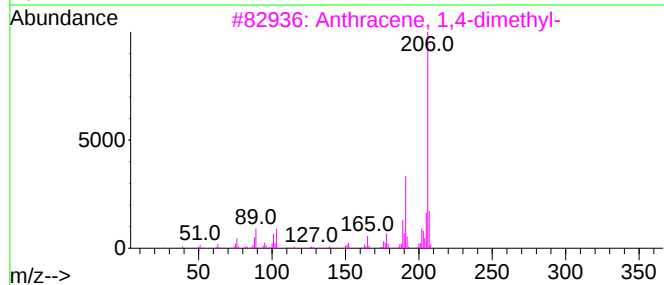
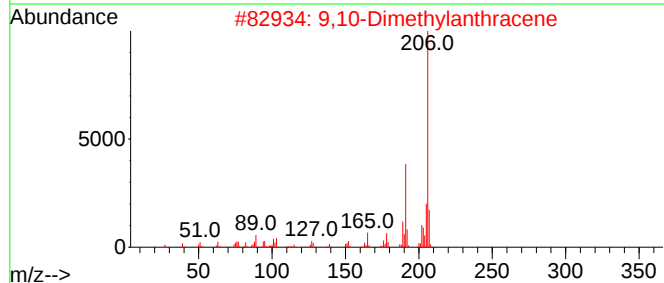
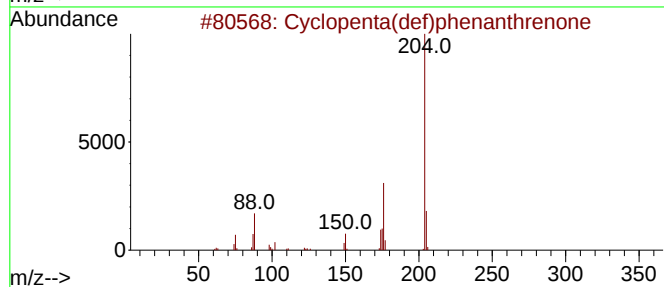
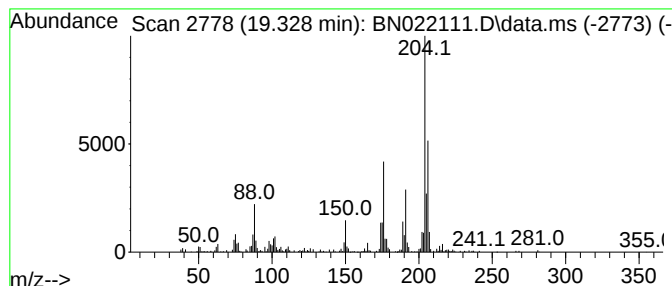
Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Cyclopenta(def)phenanthrene Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|---------|-------------|------|
| 19.328    | 2.15 ng/ul                          | 316624 | Phenanthrene-d10 |         | 17.381      |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm | CAS#        | Qual |
| 1         | Cyclopenta(def)phenanthrenone       |        | 204              | C15H8O  | 005737-13-3 | 96   |
| 2         | 9,10-Dimethylantracene              |        | 206              | C16H14  | 000781-43-1 | 74   |
| 3         | Anthracene, 1,4-dimethyl-           |        | 206              | C16H14  | 000781-92-0 | 48   |
| 4         | [1,1'-Biphenyl]-2,2'-dicarbonitrile |        | 204              | C14H8N2 | 004341-02-0 | 41   |
| 5         | 9,10-Dimethylantracene              |        | 206              | C16H14  | 000781-43-1 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
Data File : BN022111.D  
Acq On : 14 Oct 2022 06:09  
Operator : CG/JU  
Sample : N5049-04  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

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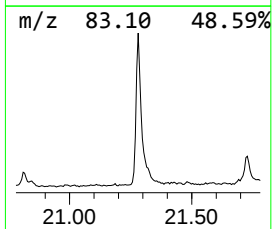
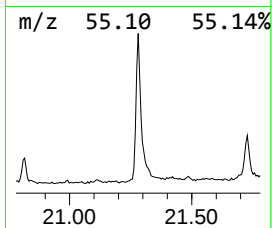
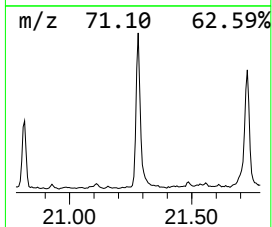
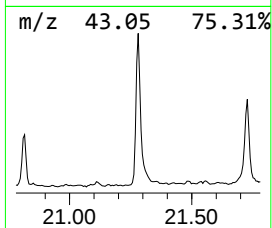
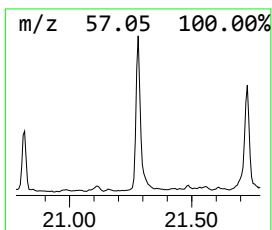
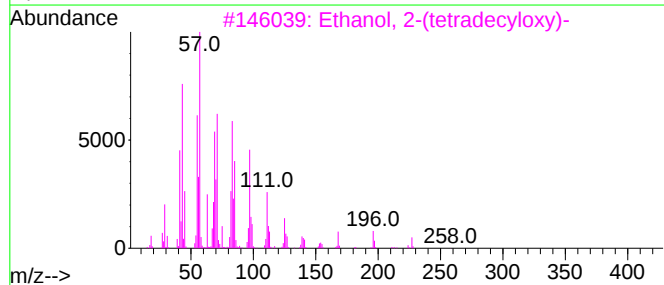
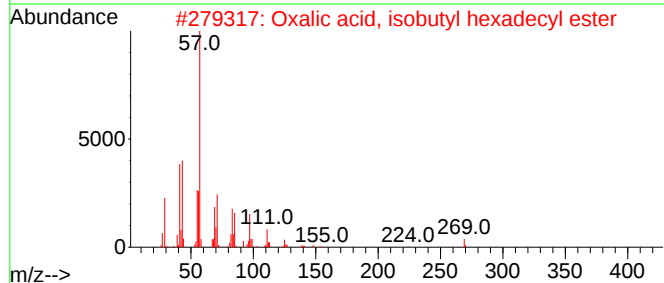
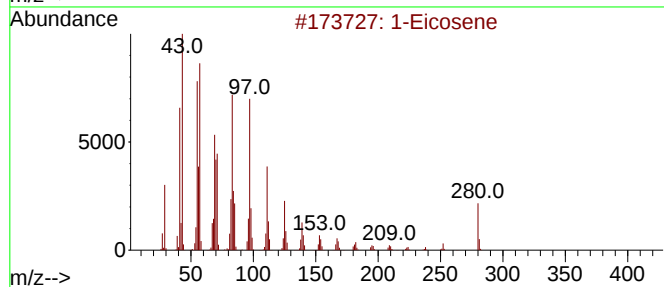
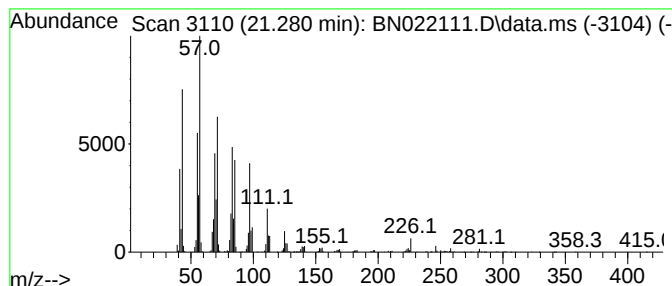
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Quant Title : SVOA CALIBRATION

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

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Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 21.280 | 5.08 ng/ul | 1523450 | Chrysene-d12     | 21.580 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 1-Eicosene                          | 280 | C20H40      | 003452-07-1  | 94   |
| 2    |    |   | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4    | 1000309-38-1 | 91   |
| 3    |    |   | Ethanol, 2-(tetradecyloxy)-         | 258 | C16H34O2    | 002136-70-1  | 90   |
| 4    |    |   | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 90   |
| 5    |    |   | Cetene                              | 224 | C16H32      | 000629-73-2  | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
Data File : BN022111.D  
Acq On : 14 Oct 2022 06:09  
Operator : CG/JU  
Sample : N5049-04  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0BG6

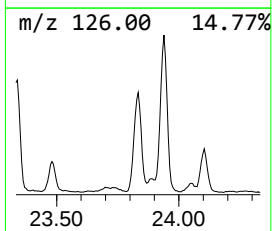
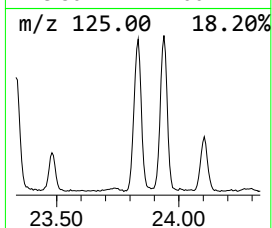
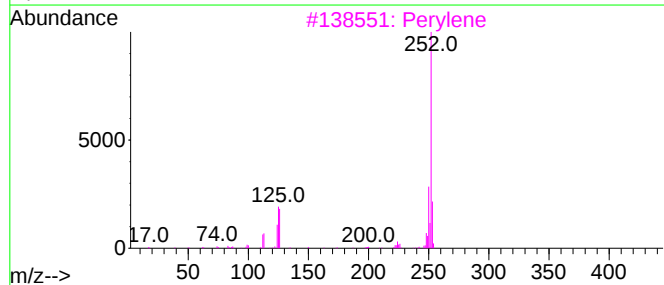
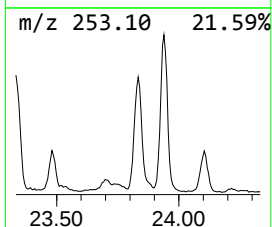
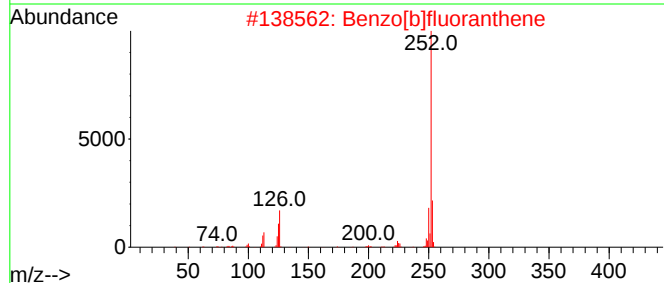
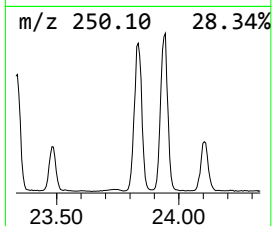
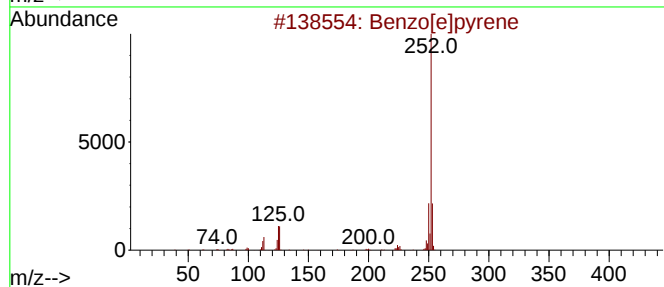
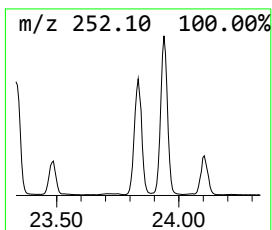
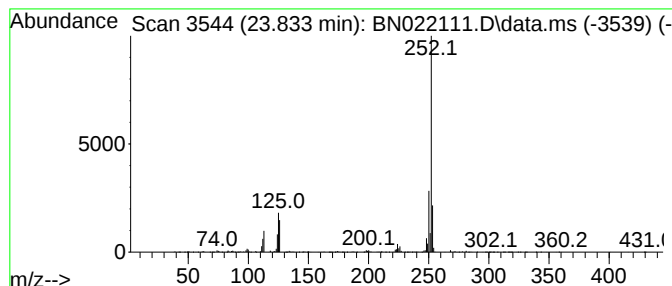
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 11 Benzo[e]pyrene Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 23.833 | 9.08 ng/ul | 1224660 | Perylene-d12     | 24.051 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 96   |
| 3    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 95   |
| 4    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 94   |
| 5    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
Data File : BN022111.D  
Acq On : 14 Oct 2022 06:09  
Operator : CG/JU  
Sample : N5049-04  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0BG6

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.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 |
| Benzene, 1,3-di... | 5.540  | 2.4     | ng/ul | 139463   | 1                     | 7.952  | 1155990 | 20.0 |
| Naphthalene, 1,... | 13.945 | 2.4     | ng/ul | 302761   | 3                     | 14.628 | 2564580 | 20.0 |
| (DEL) Alkane: S... | 16.351 | 3.6     | ng/ul | 537998   | 4                     | 17.381 | 2945250 | 20.0 |
| Phenanthrene, 2... | 18.269 | 4.0     | ng/ul | 596000   | 4                     | 17.381 | 2945250 | 20.0 |
| Anthracene, 2-m... | 18.310 | 3.4     | ng/ul | 506217   | 4                     | 17.381 | 2945250 | 20.0 |
| 4H-Cyclopenta[d... | 18.457 | 3.3     | ng/ul | 486202   | 4                     | 17.381 | 2945250 | 20.0 |
| Cyclopenta(def)... | 19.328 | 2.1     | ng/ul | 316624   | 4                     | 17.381 | 2945250 | 20.0 |
| (DEL) Alkane: S... | 21.280 | 5.1     | ng/ul | 1523450  | 5                     | 21.580 | 5996180 | 20.0 |
| Benzo[e]pyrene     | 23.833 | 9.1     | ng/ul | 1224660  | 6                     | 24.051 | 2698400 | 20.0 |