

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120423\  
 Data File : BP018620.D  
 Acq On : 06 Dec 2023 00:45  
 Operator : MA/JU  
 Sample : 05424-05  
 Misc :  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 YCGE6

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-BP120123.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BP018620.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         | 3.269       | 26            | 31          | 39           | rVB2     | 66658          | 99051         | 0.84%           | 0.105%        |
| 2         | 3.687       | 98            | 102         | 113          | rBV      | 351062         | 525862        | 4.46%           | 0.557%        |
| 3         | 3.922       | 140           | 142         | 148          | rVB3     | 17525          | 24020         | 0.20%           | 0.025%        |
| 4         | 4.016       | 155           | 158         | 162          | rVB3     | 16865          | 22223         | 0.19%           | 0.024%        |
| 5         | 5.775       | 453           | 457         | 461          | rVB2     | 15793          | 23234         | 0.20%           | 0.025%        |
| 6         | 7.016       | 662           | 668         | 674          | rVB      | 298270         | 438319        | 3.72%           | 0.464%        |
| 7         | 7.187       | 691           | 697         | 708          | rVB      | 1333830        | 2030859       | 17.23%          | 2.152%        |
| 8         | 7.381       | 723           | 730         | 740          | rVB      | 1133272        | 1755922       | 14.90%          | 1.861%        |
| 9         | 7.475       | 742           | 746         | 750          | rVB4     | 8327           | 13409         | 0.11%           | 0.014%        |
| 10        | 7.852       | 803           | 810         | 817          | rBV      | 999755         | 1536724       | 13.04%          | 1.628%        |
| 11        | 7.922       | 817           | 822         | 827          | rVB5     | 11747          | 22524         | 0.19%           | 0.024%        |
| 12        | 8.557       | 923           | 930         | 939          | rBV      | 932672         | 1489212       | 12.63%          | 1.578%        |
| 13        | 8.669       | 946           | 949         | 955          | rVB2     | 9672           | 17097         | 0.15%           | 0.018%        |
| 14        | 8.946       | 992           | 996         | 1000         | rBV4     | 8059           | 14393         | 0.12%           | 0.015%        |
| 15        | 9.010       | 1000          | 1007        | 1016         | rVB      | 1554710        | 2481966       | 21.06%          | 2.630%        |
| 16        | 9.128       | 1023          | 1027        | 1030         | rVV2     | 15324          | 25072         | 0.21%           | 0.027%        |
| 17        | 9.181       | 1031          | 1036        | 1044         | rVB3     | 39887          | 91761         | 0.78%           | 0.097%        |
| 18        | 9.434       | 1073          | 1079        | 1087         | rBV4     | 21179          | 42637         | 0.36%           | 0.045%        |
| 19        | 9.734       | 1122          | 1130        | 1137         | rBV      | 836425         | 1391739       | 11.81%          | 1.475%        |
| 20        | 10.134      | 1181          | 1198        | 1199         | rBV      | 20813          | 52220         | 0.44%           | 0.055%        |
| 21        | 10.263      | 1213          | 1220        | 1233         | rBV      | 1816035        | 3036887       | 25.77%          | 3.218%        |
| 22        | 10.434      | 1243          | 1249        | 1256         | rBV      | 100409         | 171646        | 1.46%           | 0.182%        |
| 23        | 10.646      | 1278          | 1285        | 1293         | rVB      | 1444414        | 2436614       | 20.67%          | 2.582%        |
| 24        | 10.710      | 1293          | 1296        | 1299         | rVB2     | 9912           | 13499         | 0.11%           | 0.014%        |
| 25        | 10.787      | 1301          | 1309        | 1318         | rBV      | 1649033        | 2779096       | 23.58%          | 2.945%        |
| 26        | 11.016      | 1343          | 1348        | 1353         | rVB3     | 16524          | 27761         | 0.24%           | 0.029%        |
| 27        | 11.298      | 1390          | 1396        | 1403         | rVB3     | 13112          | 25467         | 0.22%           | 0.027%        |
| 28        | 11.440      | 1417          | 1420        | 1427         | rVB3     | 8779           | 14442         | 0.12%           | 0.015%        |
| 29        | 11.928      | 1498          | 1503        | 1513         | rBV4     | 76333          | 137442        | 1.17%           | 0.146%        |
| 30        | 12.234      | 1550          | 1555        | 1559         | rVB2     | 34793          | 52836         | 0.45%           | 0.056%        |
| 31        | 12.775      | 1642          | 1647        | 1651         | rBV2     | 63634          | 86629         | 0.73%           | 0.092%        |
| 32        | 12.840      | 1655          | 1658        | 1663         | rBV4     | 12053          | 20703         | 0.18%           | 0.022%        |
| 33        | 13.092      | 1697          | 1701        | 1711         | rVB3     | 39676          | 61591         | 0.52%           | 0.065%        |
| 34        | 13.322      | 1738          | 1740        | 1745         | rVB2     | 12775          | 16457         | 0.14%           | 0.017%        |
| 35        | 13.387      | 1746          | 1751        | 1756         | rVV2     | 40138          | 66184         | 0.56%           | 0.070%        |
| 36        | 13.451      | 1758          | 1762        | 1767         | rVB5     | 25410          | 36192         | 0.31%           | 0.038%        |

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Filtering: 5

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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-BP120123.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 37 | 13.898 | 1831 | 1838 | 1852 | rBV  | 4202652 | 5846655  | 49.60%  | 6.195%  |
| 38 | 14.175 | 1875 | 1885 | 1895 | rBV  | 4430825 | 6721555  | 57.03%  | 7.122%  |
| 39 | 14.439 | 1926 | 1930 | 1931 | rBV2 | 40700   | 43653    | 0.37%   | 0.046%  |
| 40 | 14.481 | 1931 | 1937 | 1945 | rVV  | 2742430 | 3997235  | 33.91%  | 4.236%  |
| 41 | 14.563 | 1947 | 1951 | 1955 | rVB3 | 48733   | 68255    | 0.58%   | 0.072%  |
| 42 | 14.675 | 1965 | 1970 | 1984 | rBV  | 214047  | 366818   | 3.11%   | 0.389%  |
| 43 | 14.898 | 2004 | 2008 | 2014 | rVB6 | 19536   | 34479    | 0.29%   | 0.037%  |
| 44 | 15.081 | 2035 | 2039 | 2042 | rBV4 | 7272    | 12770    | 0.11%   | 0.014%  |
| 45 | 15.157 | 2048 | 2052 | 2057 | rVB  | 33434   | 44819    | 0.38%   | 0.047%  |
| 46 | 15.286 | 2070 | 2074 | 2075 | rBV  | 13514   | 14820    | 0.13%   | 0.016%  |
| 47 | 15.475 | 2099 | 2106 | 2112 | rBV  | 6009756 | 9001907  | 76.37%  | 9.539%  |
| 48 | 15.586 | 2119 | 2125 | 2138 | rBV  | 1188323 | 1633875  | 13.86%  | 1.731%  |
| 49 | 15.710 | 2142 | 2146 | 2151 | rVB2 | 29059   | 47512    | 0.40%   | 0.050%  |
| 50 | 15.839 | 2165 | 2168 | 2174 | rVB4 | 28324   | 37565    | 0.32%   | 0.040%  |
| 51 | 17.228 | 2397 | 2404 | 2410 | rVB  | 3242181 | 4602691  | 39.05%  | 4.877%  |
| 52 | 17.328 | 2414 | 2421 | 2433 | rBV  | 7338566 | 10359768 | 87.89%  | 10.977% |
| 53 | 17.457 | 2441 | 2443 | 2448 | rVB  | 12920   | 12986    | 0.11%   | 0.014%  |
| 54 | 17.516 | 2451 | 2453 | 2462 | rVB3 | 12508   | 17668    | 0.15%   | 0.019%  |
| 55 | 17.898 | 2513 | 2518 | 2524 | rBV  | 937580  | 1132213  | 9.61%   | 1.200%  |
| 56 | 18.116 | 2551 | 2555 | 2560 | rBV4 | 45819   | 65866    | 0.56%   | 0.070%  |
| 57 | 18.186 | 2564 | 2567 | 2573 | rVB  | 30887   | 41568    | 0.35%   | 0.044%  |
| 58 | 19.139 | 2725 | 2729 | 2735 | rVB  | 100827  | 126496   | 1.07%   | 0.134%  |
| 59 | 19.204 | 2736 | 2740 | 2744 | rBV  | 97255   | 128072   | 1.09%   | 0.136%  |
| 60 | 19.351 | 2762 | 2765 | 2769 | rBV2 | 56862   | 69755    | 0.59%   | 0.074%  |
| 61 | 19.563 | 2795 | 2801 | 2813 | rBV  | 8970076 | 11786628 | 100.00% | 12.489% |
| 62 | 21.310 | 3093 | 3098 | 3105 | rBV  | 3679539 | 4333770  | 36.77%  | 4.592%  |
| 63 | 23.527 | 3468 | 3475 | 3483 | rBV2 | 4629902 | 8924726  | 75.72%  | 9.457%  |
| 64 | 23.680 | 3495 | 3501 | 3512 | rVB  | 1920318 | 3818389  | 32.40%  | 4.046%  |

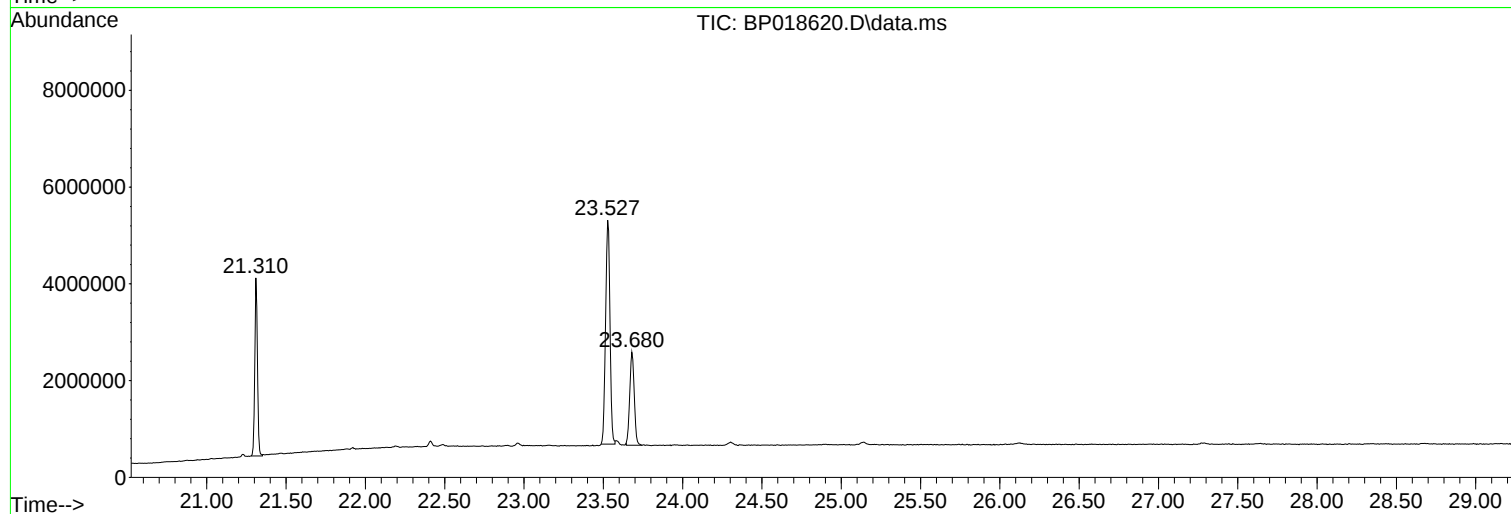
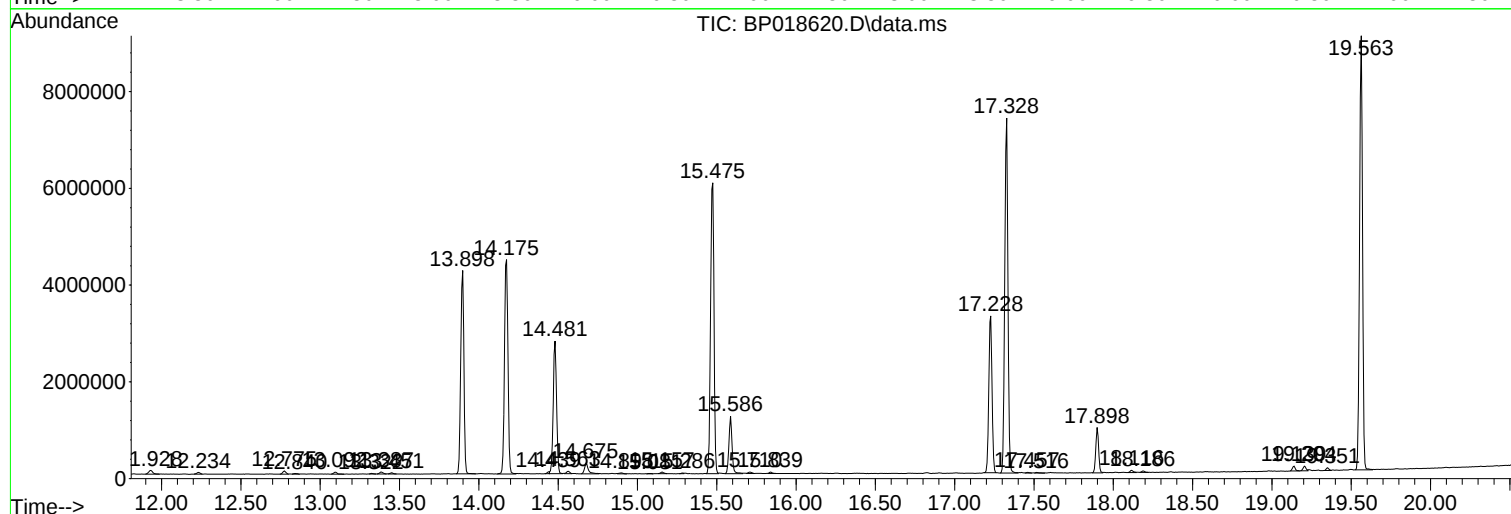
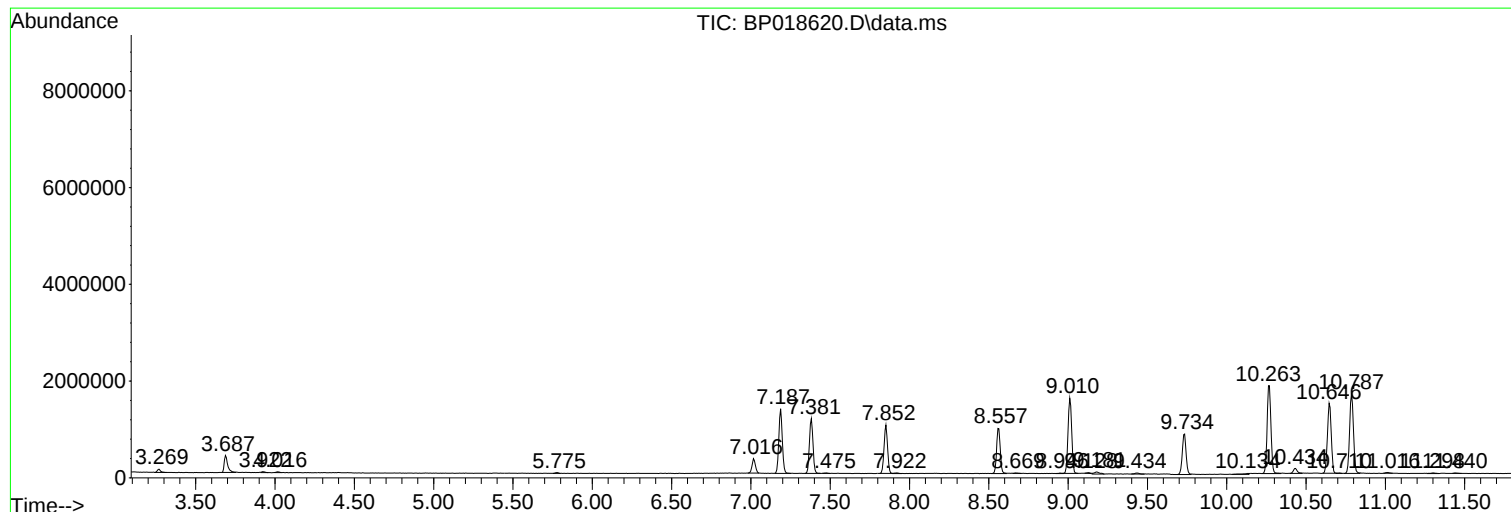
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
Quant Title : SVOA CALIBRATION

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



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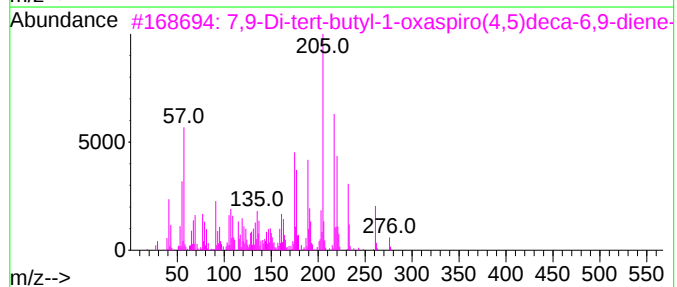
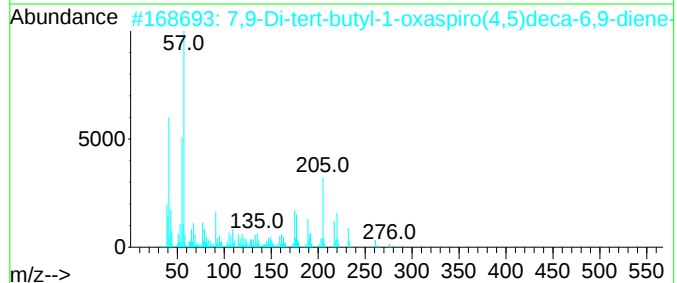
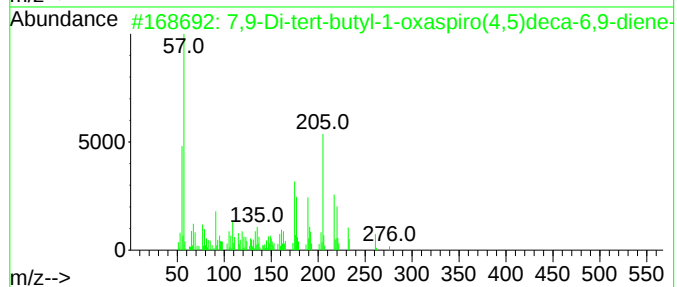
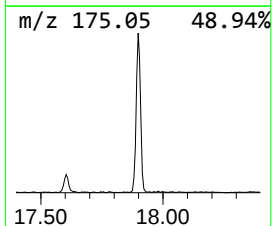
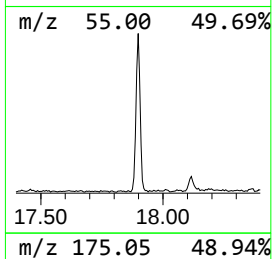
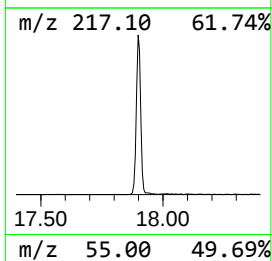
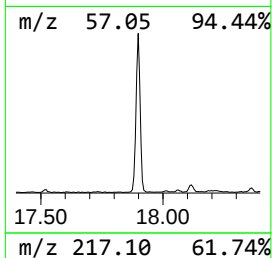
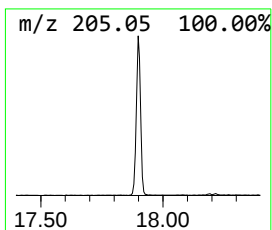
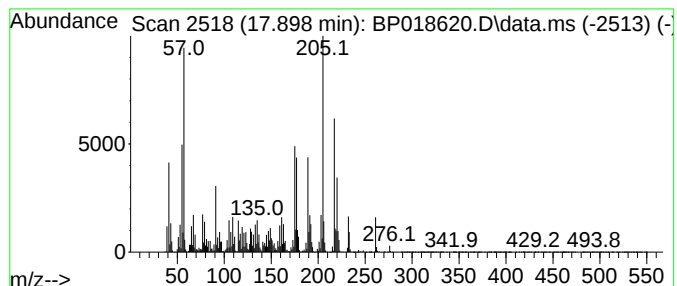
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 7,9-Di-tert-butyl-1-oxaspiro... Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 17.898 | 4.92 ng/ul | 1132210 | Phenanthrene-d10 | 17.228 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3     | 082304-66-3 | 99      |      |      |
| 2    | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3     | 082304-66-3 | 97      |      |      |
| 3    | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3     | 082304-66-3 | 90      |      |      |
| 4    | 1-(3-Amino-4,6-dimethylthieno[2,... | 220 | C11H12N2OS   | 052505-42-7 | 45      |      |      |
| 5    | 2,5-di-tert-Butyl-1,4-benzoquinone  | 220 | C14H20O2     | 002460-77-7 | 44      |      |      |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| 7,9-Di-tert-but... | 17.898 | 4.9     | ng/ul | 1132210  | 4                     | 17.228 | 4602690 | 20.0 |