

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041423\  
 Data File : BN024884.D  
 Acq On : 14 Apr 2023 06:43  
 Operator : CG/JU  
 Sample : 02275-10  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHDZ5

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-BN041023.M  
 Title : SVOA CALIBRATION

Signal : TIC: BN024884.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         | 3.305       | 16            | 20          | 31           | rVB      | 86029          | 136619        | 1.06%           | 0.123%        |
| 2         | 3.740       | 93            | 94          | 118          | rBV      | 355245         | 663870        | 5.14%           | 0.599%        |
| 3         | 4.070       | 145           | 150         | 159          | rVB      | 57790          | 94669         | 0.73%           | 0.085%        |
| 4         | 5.846       | 445           | 452         | 457          | rBV4     | 9865           | 20483         | 0.16%           | 0.018%        |
| 5         | 6.917       | 630           | 634         | 641          | rBV5     | 6674           | 13347         | 0.10%           | 0.012%        |
| 6         | 7.093       | 658           | 664         | 675          | rVB      | 455220         | 739529        | 5.72%           | 0.667%        |
| 7         | 7.264       | 686           | 693         | 706          | rBV      | 1665199        | 2604422       | 20.15%          | 2.348%        |
| 8         | 7.464       | 720           | 727         | 737          | rBV      | 1607814        | 2522571       | 19.51%          | 2.274%        |
| 9         | 7.552       | 739           | 742         | 750          | rVB5     | 10692          | 16599         | 0.13%           | 0.015%        |
| 10        | 7.940       | 801           | 808         | 815          | rBV      | 1317765        | 2142306       | 16.57%          | 1.931%        |
| 11        | 7.999       | 815           | 818         | 825          | rVB3     | 13147          | 21584         | 0.17%           | 0.019%        |
| 12        | 8.646       | 921           | 928         | 939          | rBV      | 1273105        | 2009011       | 15.54%          | 1.811%        |
| 13        | 9.105       | 998           | 1006        | 1017         | rBV      | 2047436        | 3346206       | 25.89%          | 3.017%        |
| 14        | 9.210       | 1017          | 1024        | 1029         | rVV      | 9379           | 24866         | 0.19%           | 0.022%        |
| 15        | 9.269       | 1029          | 1034        | 1039         | rVB5     | 18594          | 31529         | 0.24%           | 0.028%        |
| 16        | 9.828       | 1121          | 1129        | 1143         | rBV      | 1541532        | 2591285       | 20.05%          | 2.336%        |
| 17        | 10.369      | 1212          | 1221        | 1238         | rBV      | 2140094        | 3513596       | 27.18%          | 3.168%        |
| 18        | 10.752      | 1277          | 1286        | 1294         | rBV      | 1880765        | 3133174       | 24.24%          | 2.825%        |
| 19        | 10.893      | 1301          | 1310        | 1325         | rBV      | 2208877        | 3724891       | 28.82%          | 3.358%        |
| 20        | 11.540      | 1414          | 1420        | 1429         | rBV2     | 23027          | 48306         | 0.37%           | 0.044%        |
| 21        | 12.040      | 1497          | 1505        | 1514         | rBV2     | 37889          | 80573         | 0.62%           | 0.073%        |
| 22        | 12.340      | 1546          | 1556        | 1562         | rBV      | 41289          | 70740         | 0.55%           | 0.064%        |
| 23        | 12.869      | 1640          | 1646        | 1652         | rBV3     | 14784          | 26413         | 0.20%           | 0.024%        |
| 24        | 13.475      | 1744          | 1749        | 1753         | rBV3     | 13845          | 21397         | 0.17%           | 0.019%        |
| 25        | 13.557      | 1759          | 1763        | 1769         | rVB6     | 8046           | 14850         | 0.11%           | 0.013%        |
| 26        | 13.993      | 1830          | 1837        | 1846         | rBV      | 4409532        | 6058244       | 46.87%          | 5.462%        |
| 27        | 14.275      | 1879          | 1885        | 1899         | rVB      | 4703563        | 6996314       | 54.12%          | 6.307%        |
| 28        | 14.587      | 1931          | 1938        | 1946         | rBV      | 2907154        | 4339480       | 33.57%          | 3.912%        |
| 29        | 14.663      | 1946          | 1951        | 1959         | rVB      | 39205          | 62780         | 0.49%           | 0.057%        |
| 30        | 14.775      | 1963          | 1970        | 1984         | rBV      | 357542         | 624360        | 4.83%           | 0.563%        |
| 31        | 14.993      | 2002          | 2007        | 2015         | rVB9     | 14764          | 27266         | 0.21%           | 0.025%        |
| 32        | 15.257      | 2046          | 2052        | 2057         | rBV      | 22523          | 36893         | 0.29%           | 0.033%        |
| 33        | 15.375      | 2066          | 2072        | 2079         | rBV4     | 14681          | 29278         | 0.23%           | 0.026%        |
| 34        | 15.575      | 2098          | 2106        | 2113         | rBV      | 6466952        | 8947396       | 69.22%          | 8.066%        |
| 35        | 15.693      | 2120          | 2126        | 2139         | rBV      | 2460887        | 3150160       | 24.37%          | 2.840%        |
| 36        | 15.816      | 2143          | 2147        | 2158         | rVB4     | 35072          | 63821         | 0.49%           | 0.058%        |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041423\  
 Data File : BN024884.D  
 Acq On : 14 Apr 2023 06:43  
 Operator : CG/JU  
 Sample : 02275-10  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHDZ5

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-BN041023.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 37 | 15.940 | 2165 | 2168 | 2173 | rVB5 | 11783   | 15917    | 0.12%   | 0.014%  |
| 38 | 16.310 | 2223 | 2231 | 2234 | rVV4 | 22085   | 35325    | 0.27%   | 0.032%  |
| 39 | 16.363 | 2234 | 2240 | 2244 | rVB9 | 8759    | 15632    | 0.12%   | 0.014%  |
| 40 | 16.922 | 2329 | 2335 | 2338 | rBV6 | 14224   | 22260    | 0.17%   | 0.020%  |
| 41 | 17.328 | 2398 | 2404 | 2411 | rBV  | 3358195 | 4885107  | 37.79%  | 4.404%  |
| 42 | 17.428 | 2415 | 2421 | 2434 | rBV2 | 7141217 | 10487784 | 81.13%  | 9.455%  |
| 43 | 17.998 | 2513 | 2518 | 2524 | rBV  | 639516  | 784204   | 6.07%   | 0.707%  |
| 44 | 18.216 | 2551 | 2555 | 2559 | rBV3 | 62008   | 86448    | 0.67%   | 0.078%  |
| 45 | 19.075 | 2698 | 2701 | 2706 | rVB4 | 24143   | 28209    | 0.22%   | 0.025%  |
| 46 | 19.286 | 2733 | 2737 | 2743 | rBV2 | 103141  | 141180   | 1.09%   | 0.127%  |
| 47 | 19.357 | 2745 | 2749 | 2755 | rVV  | 94536   | 137834   | 1.07%   | 0.124%  |
| 48 | 19.492 | 2768 | 2772 | 2778 | rBV3 | 56202   | 85491    | 0.66%   | 0.077%  |
| 49 | 19.722 | 2805 | 2811 | 2824 | rBV  | 8874022 | 12304156 | 95.19%  | 11.093% |
| 50 | 21.516 | 3111 | 3116 | 3125 | rBV  | 4137614 | 5412750  | 41.87%  | 4.880%  |
| 51 | 23.822 | 3499 | 3508 | 3520 | rBV  | 6015498 | 12926474 | 100.00% | 11.654% |
| 52 | 23.969 | 3526 | 3533 | 3545 | rVB2 | 2869180 | 5603325  | 43.35%  | 5.052%  |

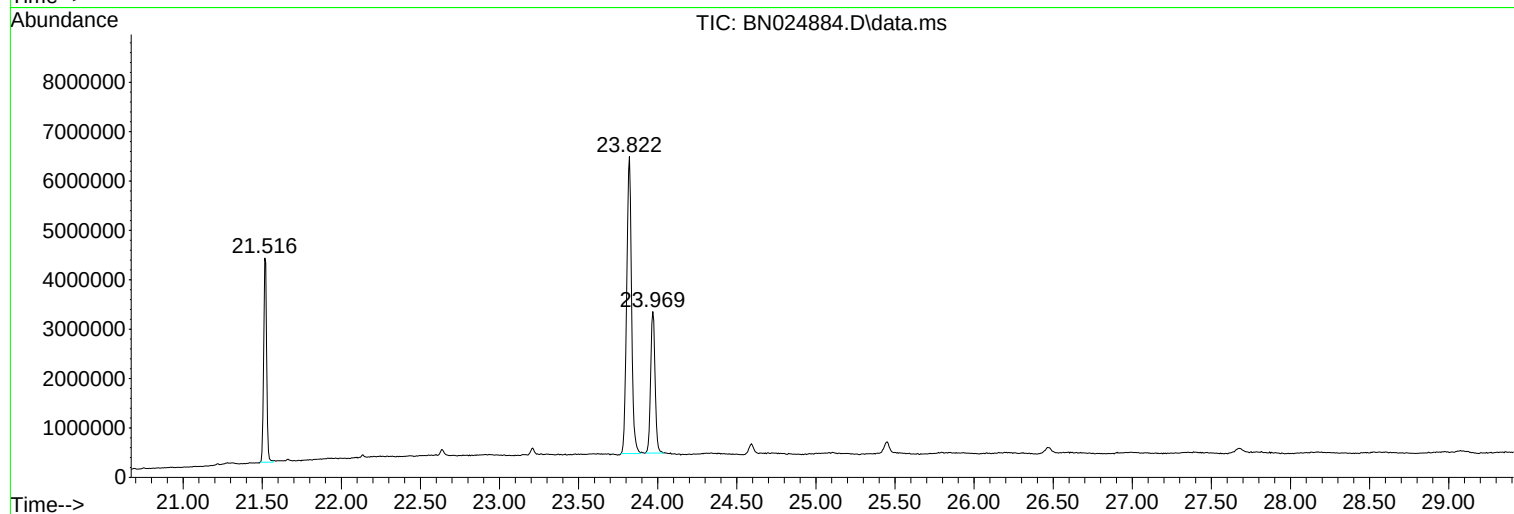
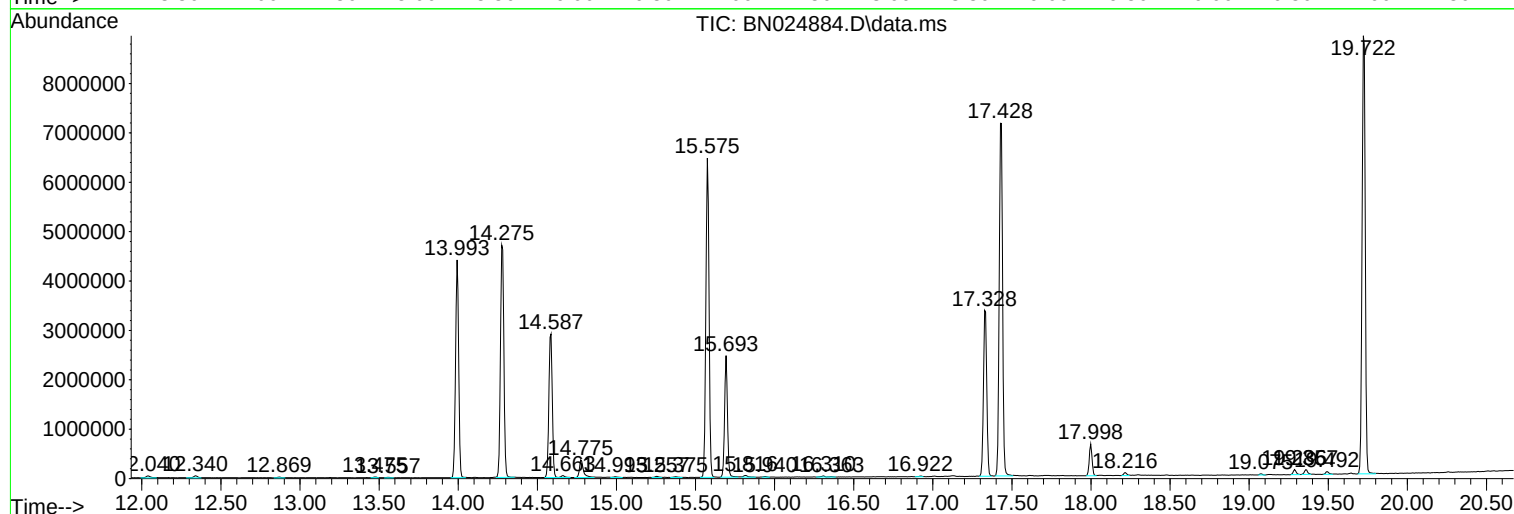
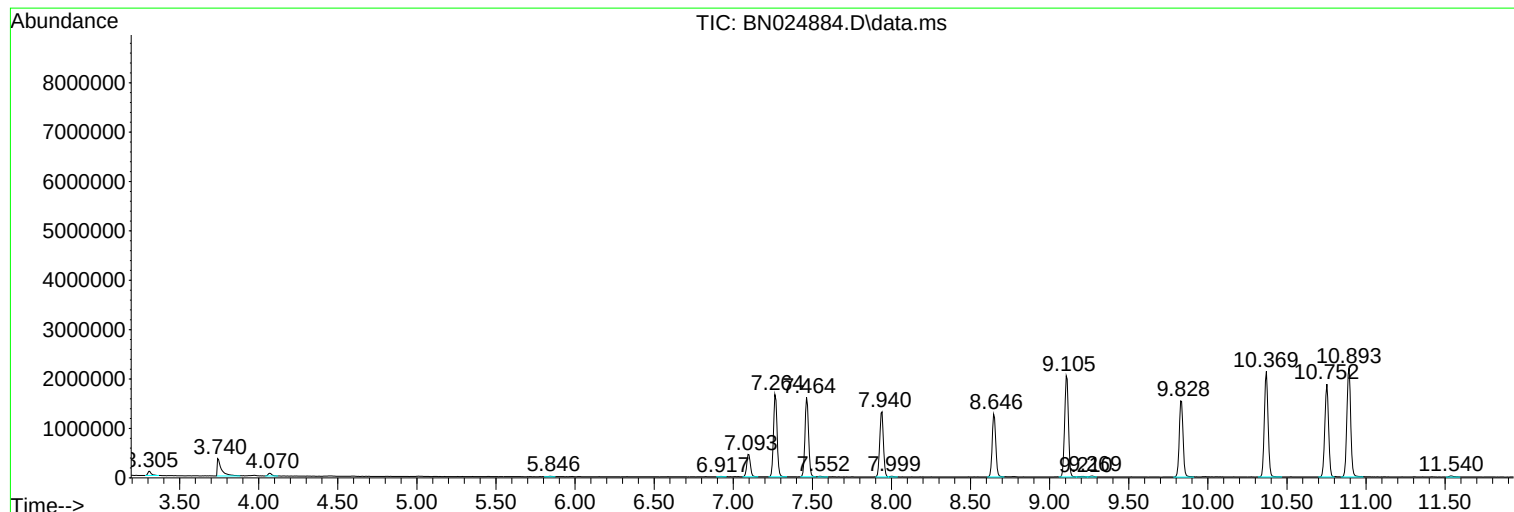
Sum of corrected areas: 110920924

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041423\  
Data File : BN024884.D  
Acq On : 14 Apr 2023 06:43  
Operator : CG/JU  
Sample : 02275-10  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHDZ5

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041023.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041423\  
Data File : BN024884.D  
Acq On : 14 Apr 2023 06:43  
Operator : CG/JU  
Sample : 02275-10  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHDZ5

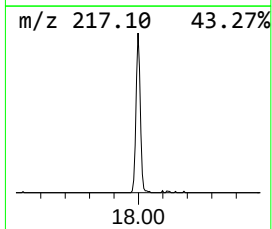
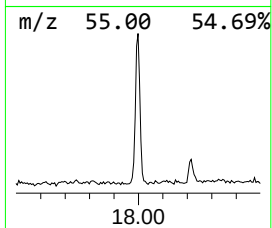
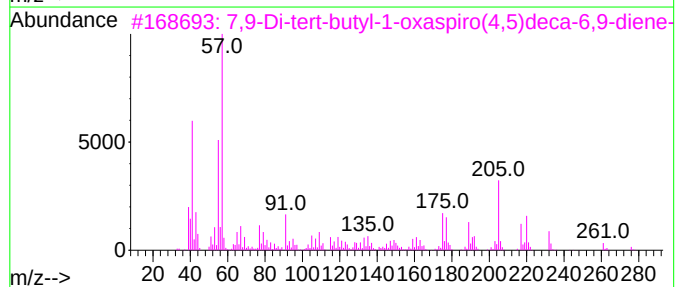
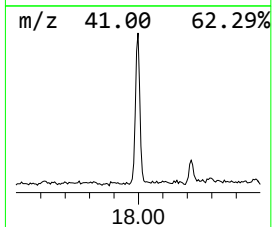
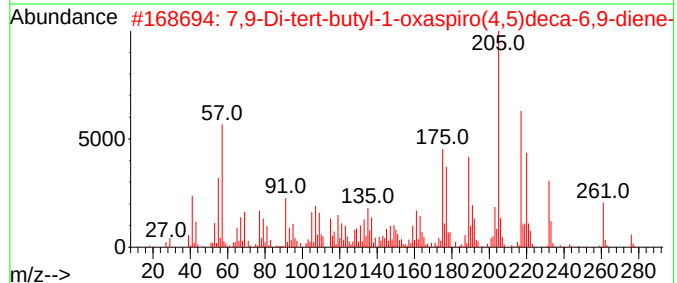
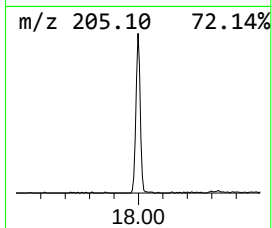
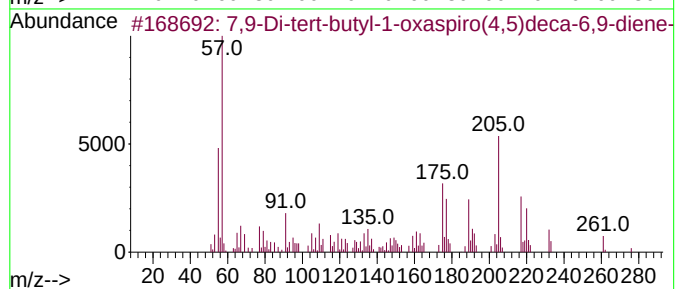
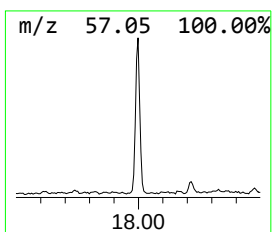
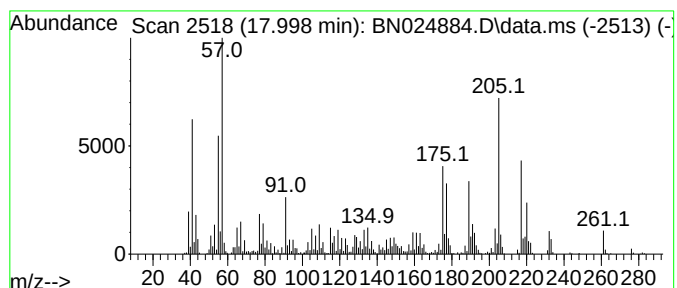
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041023.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*

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

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 17.998    | 3.21 ng/ul                          | 784204 | Phenanthrene-d10 | 17.334      |      |
| 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 | 90   |
| 3         | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276    | C17H24O3         | 082304-66-3 | 86   |
| 4         | (1R,3aR,5aR,9aS)-1,4,4,7-Tetrame... | 220    | C15H24O          | 104188-25-2 | 49   |
| 5         | 2,5-di-tert-Butyl-1,4-benzoquinone  | 220    | C14H20O2         | 002460-77-7 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041423\  
Data File : BN024884.D  
Acq On : 14 Apr 2023 06:43  
Operator : CG/JU  
Sample : 02275-10  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHDZ5

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041023.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| 7,9-Di-tert-but... | 17.998 | 3.2     | ng/u1 | 784204   | 4                     | 17.334 | 4885110 | 20.0 |