

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\  
 Data File : BM003493.D  
 Acq On : 11 Dec 2015 21:54  
 Operator : UM/IZ  
 Sample : G4734-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4KW4

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM120115.M  
 Title : SVOA CALIBRATION

Signal : TIC

| 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         | 3.187       | 13            | 17          | 22           | rVB      | 3117           | 4264          | 0.28%           | 0.026%        |
| 2         | 6.887       | 641           | 646         | 654          | rBV      | 63815          | 92617         | 6.05%           | 0.566%        |
| 3         | 7.051       | 668           | 674         | 684          | rVB      | 257694         | 391433        | 25.56%          | 2.392%        |
| 4         | 7.251       | 702           | 708         | 716          | rVB      | 269780         | 412902        | 26.97%          | 2.524%        |
| 5         | 7.722       | 781           | 788         | 795          | rVB      | 297747         | 474727        | 31.00%          | 2.901%        |
| 6         | 8.422       | 901           | 907         | 916          | rBV      | 201343         | 308103        | 20.12%          | 1.883%        |
| 7         | 8.875       | 977           | 984         | 994          | rBV      | 302502         | 475076        | 31.03%          | 2.904%        |
| 8         | 9.598       | 1100          | 1107        | 1115         | rVB      | 243095         | 393607        | 25.71%          | 2.406%        |
| 9         | 10.134      | 1191          | 1198        | 1209         | rBV      | 362935         | 607340        | 39.67%          | 3.712%        |
| 10        | 10.510      | 1255          | 1262        | 1271         | rVB      | 450665         | 737304        | 48.15%          | 4.506%        |
| 11        | 10.651      | 1281          | 1286        | 1294         | rBB      | 12539          | 20072         | 1.31%           | 0.123%        |
| 12        | 12.104      | 1527          | 1533        | 1538         | rBV      | 4790           | 7980          | 0.52%           | 0.049%        |
| 13        | 13.780      | 1812          | 1818        | 1828         | rBV      | 679307         | 919674        | 60.06%          | 5.621%        |
| 14        | 14.063      | 1859          | 1866        | 1885         | rBV      | 796162         | 1166489       | 76.18%          | 7.129%        |
| 15        | 14.375      | 1912          | 1919        | 1927         | rBV2     | 581256         | 907221        | 59.25%          | 5.545%        |
| 16        | 14.575      | 1948          | 1953        | 1963         | rBV      | 21386          | 34228         | 2.24%           | 0.209%        |
| 17        | 15.369      | 2081          | 2088        | 2103         | rBV      | 968114         | 1429001       | 93.33%          | 8.734%        |
| 18        | 15.486      | 2103          | 2108        | 2114         | rBV      | 193249         | 246268        | 16.08%          | 1.505%        |
| 19        | 15.604      | 2124          | 2128        | 2132         | rVB      | 7610           | 9499          | 0.62%           | 0.058%        |
| 20        | 15.786      | 2156          | 2159        | 2162         | rVB      | 5230           | 5189          | 0.34%           | 0.032%        |
| 21        | 16.116      | 2212          | 2215        | 2219         | rVB      | 2541           | 2926          | 0.19%           | 0.018%        |
| 22        | 16.204      | 2226          | 2230        | 2235         | rBV      | 8826           | 10841         | 0.71%           | 0.066%        |
| 23        | 16.263      | 2235          | 2240        | 2247         | rVB2     | 7455           | 12739         | 0.83%           | 0.078%        |
| 24        | 16.321      | 2247          | 2250        | 2255         | rBV2     | 9349           | 12256         | 0.80%           | 0.075%        |
| 25        | 16.369      | 2255          | 2258        | 2261         | rVB      | 4208           | 5264          | 0.34%           | 0.032%        |
| 26        | 16.445      | 2263          | 2271        | 2273         | rBV2     | 2633           | 4990          | 0.33%           | 0.030%        |
| 27        | 16.468      | 2273          | 2275        | 2279         | rVB      | 2807           | 3221          | 0.21%           | 0.020%        |
| 28        | 16.527      | 2279          | 2285        | 2290         | rBV5     | 5601           | 10105         | 0.66%           | 0.062%        |
| 29        | 16.592      | 2292          | 2296        | 2300         | rBV      | 8903           | 11476         | 0.75%           | 0.070%        |
| 30        | 16.627      | 2300          | 2302        | 2305         | rVV      | 1704           | 1795          | 0.12%           | 0.011%        |
| 31        | 16.663      | 2305          | 2308        | 2313         | rVB      | 3531           | 4671          | 0.31%           | 0.029%        |
| 32        | 16.910      | 2346          | 2350        | 2354         | rVB      | 1628           | 2315          | 0.15%           | 0.014%        |
| 33        | 17.116      | 2379          | 2385        | 2396         | rBV2     | 664446         | 935281        | 61.08%          | 5.716%        |
| 34        | 17.215      | 2396          | 2402        | 2424         | rVB2     | 982166         | 1402027       | 91.57%          | 8.569%        |

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Max Peaks: 100  
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 17.404 | 2429 | 2434 | 2440 | rVB  | 102397  | 120373  | 7.86%   | 0.736% |
| 36 | 18.086 | 2546 | 2550 | 2553 | rVB  | 1628    | 1745    | 0.11%   | 0.011% |
| 37 | 19.151 | 2727 | 2731 | 2734 | rBV  | 7989    | 8757    | 0.57%   | 0.054% |
| 38 | 19.404 | 2770 | 2774 | 2782 | rVB  | 6460    | 8253    | 0.54%   | 0.050% |
| 39 | 19.515 | 2787 | 2793 | 2809 | rVV  | 1089045 | 1531142 | 100.00% | 9.358% |
| 40 | 21.315 | 3093 | 3099 | 3107 | rBV  | 806869  | 1037318 | 67.75%  | 6.340% |
| 41 | 22.827 | 3352 | 3356 | 3360 | rVB3 | 7753    | 11258   | 0.74%   | 0.069% |
| 42 | 22.868 | 3361 | 3363 | 3368 | rBV4 | 5247    | 5305    | 0.35%   | 0.032% |
| 43 | 23.421 | 3450 | 3457 | 3472 | rVB  | 802799  | 1523707 | 99.51%  | 9.313% |
| 44 | 23.568 | 3474 | 3482 | 3492 | rBV  | 537350  | 1035862 | 67.65%  | 6.331% |
| 45 | 24.086 | 3567 | 3570 | 3577 | rVB5 | 8671    | 14977   | 0.98%   | 0.092% |

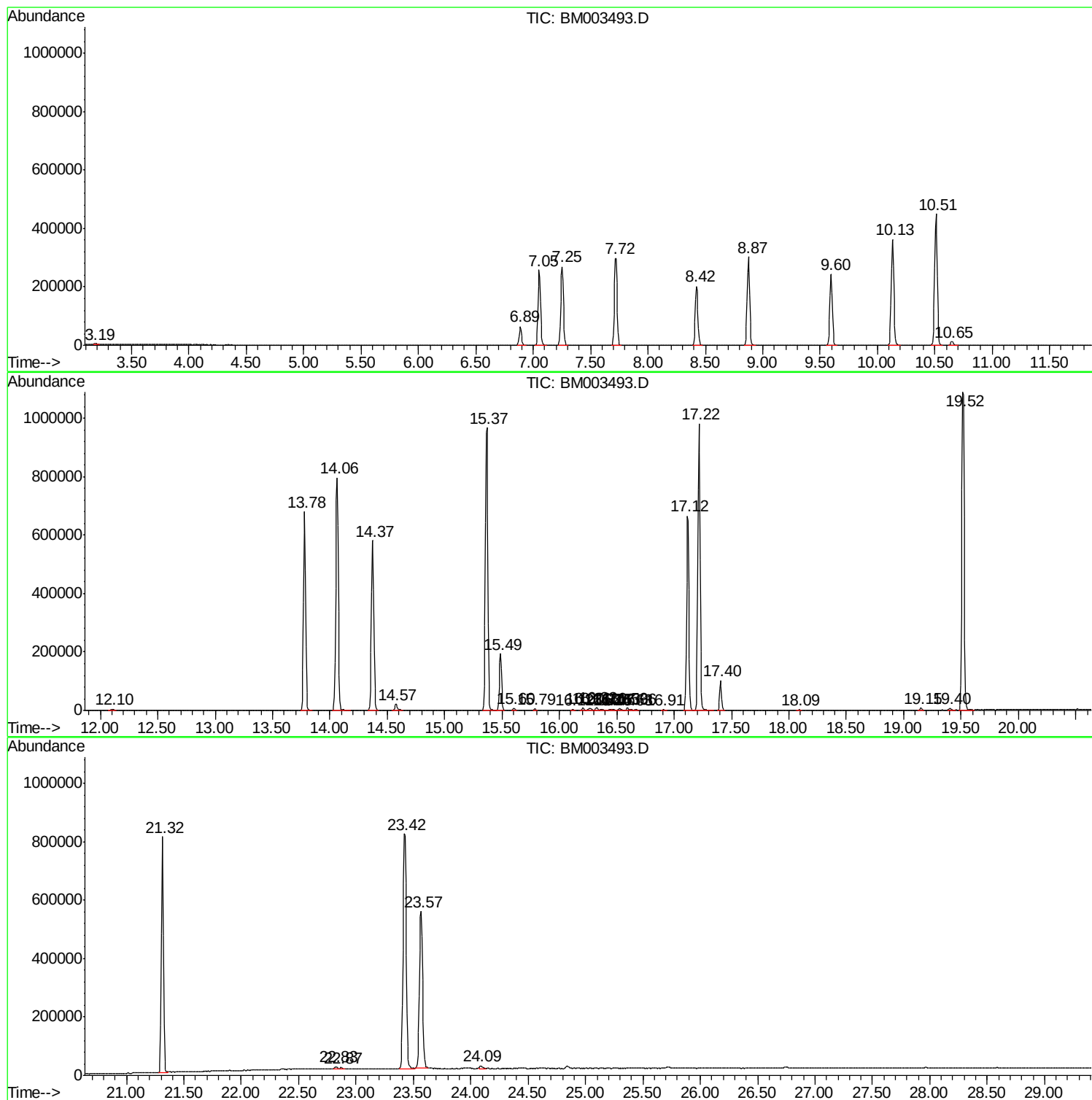
Sum of corrected areas: 16361598

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM120115.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Quant Title : SVOA CALIBRATION

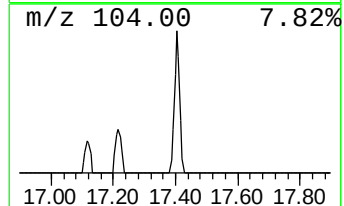
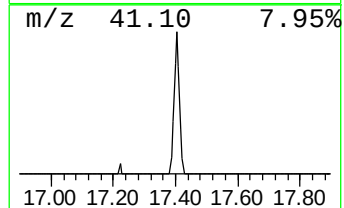
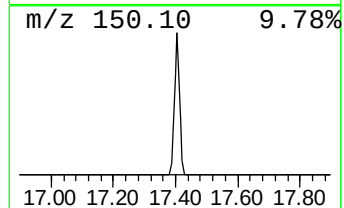
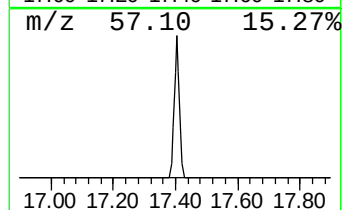
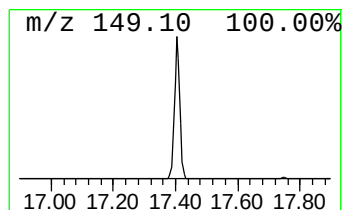
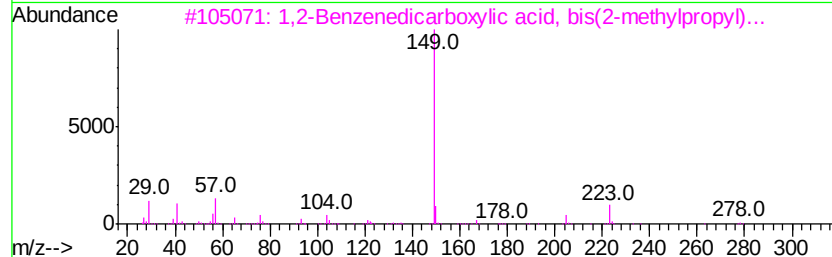
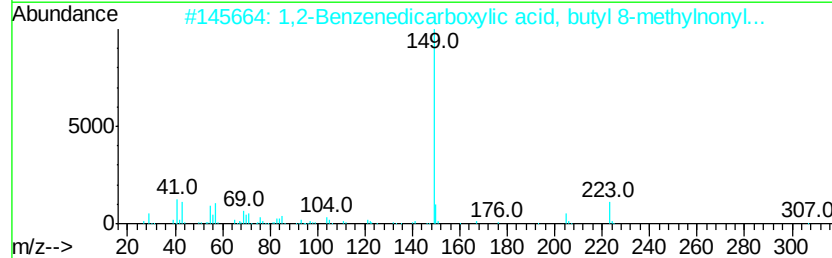
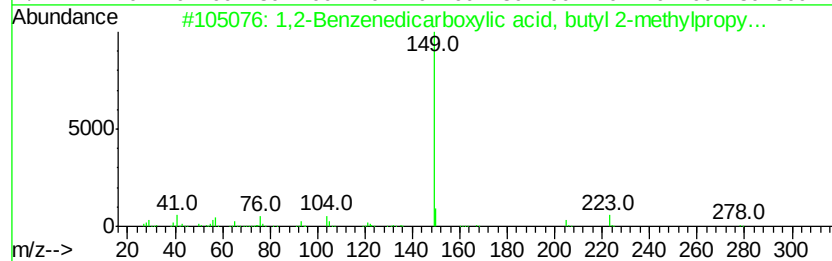
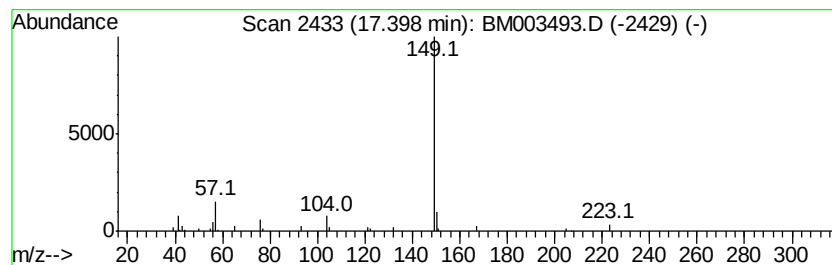
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 1,2-Benzenedicarboxylic aci... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.40 | 2.57 ng/ul | 120373 | Phenanthrene-d10 | 17.12 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,2-Benzenedicarboxylic acid, bu... | 278 | C16H22O4 | 017851-53-5 | 80   |
| 2    |    | 1,2-Benzenedicarboxylic acid, bu... | 362 | C22H34O4 | 000089-18-9 | 78   |
| 3    |    | 1,2-Benzenedicarboxylic acid, bi... | 278 | C16H22O4 | 000084-69-5 | 78   |
| 4    |    | 1,2-Benzenedicarboxylic acid, bi... | 278 | C16H22O4 | 000084-69-5 | 74   |
| 5    |    | 1,2-Benzenedicarboxylic acid, bu... | 362 | C22H34O4 | 000089-19-0 | 72   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 1,2-Benzenedicarb... | 17.40 | 2.6     | ng/ul | 120373   | 4                     | 17.12 | 935281 | 20.0 |