

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012315\  
 Data File : BM000323.D  
 Acq On : 24 Jan 2015 08:33  
 Operator : TP/IZ  
 Sample : PB81490BL  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB81490BL

## 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\SOM01.2-EPA-BM012315.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         | 2.975       | 46            | 49          | 59           | rVB      | 162265         | 261935        | 5.89%           | 0.666%        |
| 2         | 4.469       | 300           | 303         | 311          | rVB2     | 137898         | 201619        | 4.54%           | 0.512%        |
| 3         | 6.975       | 724           | 729         | 736          | rVB      | 659478         | 1021362       | 22.98%          | 2.596%        |
| 4         | 7.146       | 753           | 758         | 766          | rVB      | 483234         | 751530        | 16.91%          | 1.910%        |
| 5         | 7.346       | 786           | 792         | 801          | rVB      | 601096         | 948760        | 21.35%          | 2.411%        |
| 6         | 7.810       | 866           | 871         | 880          | rVB      | 489202         | 790291        | 17.78%          | 2.008%        |
| 7         | 8.510       | 984           | 990         | 1002         | rVB2     | 773319         | 1238051       | 27.86%          | 3.146%        |
| 8         | 8.969       | 1061          | 1068        | 1075         | rVB      | 764215         | 1246624       | 28.05%          | 3.168%        |
| 9         | 9.687       | 1184          | 1190        | 1199         | rVB2     | 509179         | 839992        | 18.90%          | 2.135%        |
| 10        | 10.222      | 1274          | 1281        | 1290         | rBV      | 752474         | 1263092       | 28.42%          | 3.210%        |
| 11        | 10.375      | 1305          | 1307        | 1310         | rBV3     | 4360           | 4975          | 0.11%           | 0.013%        |
| 12        | 10.481      | 1323          | 1325        | 1327         | rBV      | 4948           | 4919          | 0.11%           | 0.013%        |
| 13        | 10.522      | 1330          | 1332        | 1338         | rVB4     | 7480           | 12851         | 0.29%           | 0.033%        |
| 14        | 10.604      | 1338          | 1346        | 1355         | rVB      | 678786         | 1151083       | 25.90%          | 2.925%        |
| 15        | 10.739      | 1364          | 1369        | 1375         | rBV3     | 90088          | 164080        | 3.69%           | 0.417%        |
| 16        | 11.875      | 1559          | 1562        | 1564         | rBV3     | 7033           | 7097          | 0.16%           | 0.018%        |
| 17        | 12.186      | 1609          | 1615        | 1621         | rBV3     | 12548          | 21079         | 0.47%           | 0.054%        |
| 18        | 12.322      | 1636          | 1638        | 1642         | rVB3     | 4027           | 5167          | 0.12%           | 0.013%        |
| 19        | 13.457      | 1827          | 1831        | 1836         | rVV3     | 5086           | 8169          | 0.18%           | 0.021%        |
| 20        | 13.857      | 1893          | 1899        | 1909         | rBV      | 1843055        | 2452600       | 55.19%          | 6.233%        |
| 21        | 14.139      | 1941          | 1947        | 1955         | rVB      | 268380         | 380161        | 8.55%           | 0.966%        |
| 22        | 14.451      | 1994          | 2000        | 2006         | rBV      | 798454         | 1166120       | 26.24%          | 2.963%        |
| 23        | 14.639      | 2026          | 2032        | 2041         | rBV      | 757117         | 1075430       | 24.20%          | 2.733%        |
| 24        | 14.727      | 2045          | 2047        | 2052         | rVB4     | 5494           | 6664          | 0.15%           | 0.017%        |
| 25        | 14.980      | 2084          | 2090        | 2091         | rBV3     | 3276           | 4610          | 0.10%           | 0.012%        |
| 26        | 15.110      | 2109          | 2112        | 2117         | rVB6     | 3901           | 5520          | 0.12%           | 0.014%        |
| 27        | 15.239      | 2133          | 2134        | 2141         | rVB5     | 3180           | 4751          | 0.11%           | 0.012%        |
| 28        | 15.445      | 2162          | 2169        | 2175         | rBV      | 2209368        | 3141289       | 70.69%          | 7.983%        |
| 29        | 15.557      | 2182          | 2188        | 2197         | rBV      | 737169         | 992840        | 22.34%          | 2.523%        |
| 30        | 15.680      | 2202          | 2209        | 2215         | rVB7     | 22909          | 39124         | 0.88%           | 0.099%        |
| 31        | 15.868      | 2238          | 2241        | 2244         | rVB3     | 5372           | 6369          | 0.14%           | 0.016%        |
| 32        | 16.010      | 2261          | 2265        | 2268         | rBV4     | 3680           | 5364          | 0.12%           | 0.014%        |
| 33        | 16.416      | 2328          | 2334        | 2337         | rBV7     | 7644           | 14412         | 0.32%           | 0.037%        |
| 34        | 16.574      | 2359          | 2361        | 2367         | rVB5     | 5100           | 6035          | 0.14%           | 0.015%        |

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 Max Peaks: 100  
 Peak Location: TOP

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

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 16.627 | 2367 | 2370 | 2373 | rBV3 | 3126    | 4994    | 0.11%   | 0.013%  |
| 36 | 16.980 | 2425 | 2430 | 2435 | rVB6 | 9061    | 16396   | 0.37%   | 0.042%  |
| 37 | 17.192 | 2460 | 2466 | 2473 | rBV2 | 1543966 | 2164400 | 48.70%  | 5.500%  |
| 38 | 17.292 | 2477 | 2483 | 2493 | rBV2 | 2453894 | 3482568 | 78.37%  | 8.850%  |
| 39 | 17.563 | 2527 | 2529 | 2535 | rBV4 | 4336    | 6921    | 0.16%   | 0.018%  |
| 40 | 17.733 | 2555 | 2558 | 2563 | rBV5 | 5060    | 10179   | 0.23%   | 0.026%  |
| 41 | 17.798 | 2565 | 2569 | 2572 | rBV5 | 3321    | 5309    | 0.12%   | 0.013%  |
| 42 | 17.857 | 2575 | 2579 | 2583 | rBV2 | 26391   | 31887   | 0.72%   | 0.081%  |
| 43 | 17.998 | 2599 | 2603 | 2606 | rBV5 | 4072    | 6015    | 0.14%   | 0.015%  |
| 44 | 18.186 | 2631 | 2635 | 2639 | rBV6 | 5065    | 8439    | 0.19%   | 0.021%  |
| 45 | 18.274 | 2647 | 2650 | 2653 | rVB4 | 4492    | 4567    | 0.10%   | 0.012%  |
| 46 | 19.162 | 2797 | 2801 | 2805 | rBV5 | 18798   | 27252   | 0.61%   | 0.069%  |
| 47 | 19.221 | 2807 | 2811 | 2815 | rVB3 | 21027   | 32306   | 0.73%   | 0.082%  |
| 48 | 19.409 | 2840 | 2843 | 2844 | rBV2 | 4897    | 5143    | 0.12%   | 0.013%  |
| 49 | 19.480 | 2852 | 2855 | 2860 | rBV4 | 18213   | 20363   | 0.46%   | 0.052%  |
| 50 | 19.592 | 2867 | 2874 | 2881 | rBV  | 2868264 | 4053605 | 91.22%  | 10.301% |
| 51 | 19.756 | 2899 | 2902 | 2903 | rBV3 | 5491    | 5415    | 0.12%   | 0.014%  |
| 52 | 19.921 | 2928 | 2930 | 2933 | rBV3 | 5260    | 4792    | 0.11%   | 0.012%  |
| 53 | 20.009 | 2944 | 2945 | 2947 | rBV2 | 5329    | 4705    | 0.11%   | 0.012%  |
| 54 | 20.115 | 2962 | 2963 | 2967 | rBV4 | 5731    | 7684    | 0.17%   | 0.020%  |
| 55 | 20.498 | 3026 | 3028 | 3030 | rBV3 | 6834    | 7272    | 0.16%   | 0.018%  |
| 56 | 20.556 | 3036 | 3038 | 3040 | rVB2 | 6110    | 4526    | 0.10%   | 0.012%  |
| 57 | 20.598 | 3043 | 3045 | 3047 | rVB3 | 6310    | 4561    | 0.10%   | 0.012%  |
| 58 | 20.998 | 3111 | 3113 | 3115 | rBV2 | 9116    | 10242   | 0.23%   | 0.026%  |
| 59 | 21.062 | 3121 | 3124 | 3127 | rBV5 | 8676    | 12293   | 0.28%   | 0.031%  |
| 60 | 21.174 | 3141 | 3143 | 3147 | rVB5 | 19133   | 20312   | 0.46%   | 0.052%  |
| 61 | 21.380 | 3173 | 3178 | 3184 | rBV  | 2360596 | 2916574 | 65.63%  | 7.412%  |
| 62 | 23.521 | 3534 | 3542 | 3552 | rBV2 | 2246118 | 4443953 | 100.00% | 11.293% |
| 63 | 23.668 | 3559 | 3567 | 3576 | rBV2 | 1169512 | 2372798 | 53.39%  | 6.030%  |
| 64 | 24.539 | 3711 | 3715 | 3722 | rVB9 | 72995   | 145507  | 3.27%   | 0.370%  |
| 65 | 24.691 | 3736 | 3741 | 3749 | rVB7 | 119745  | 265491  | 5.97%   | 0.675%  |

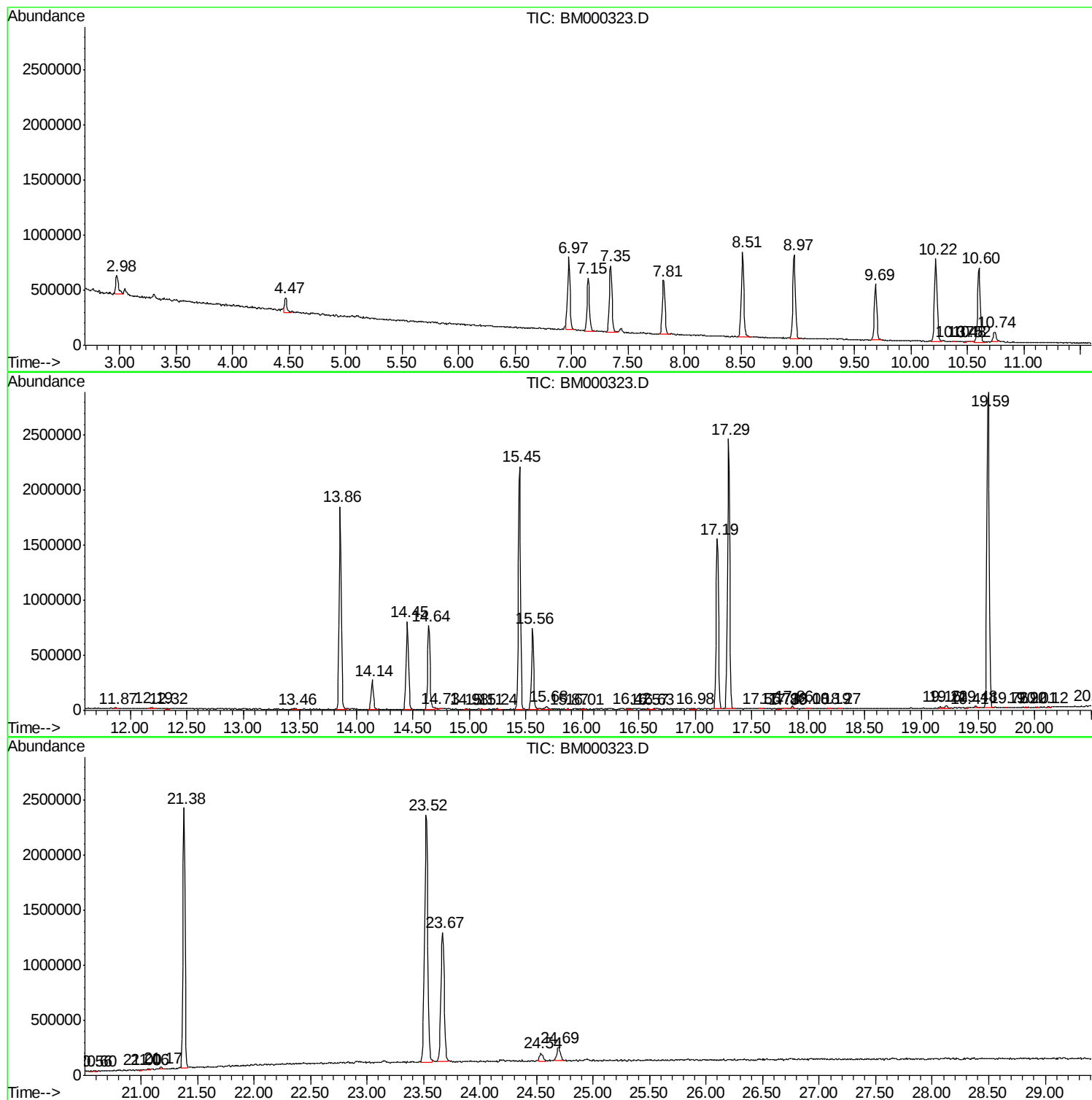
Sum of corrected areas: 39350434

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM01.2-EPA-BM012315.M  
Quant Title : SVOA CALIBRATION

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



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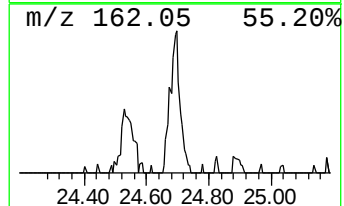
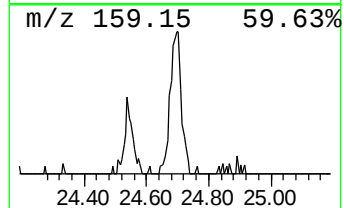
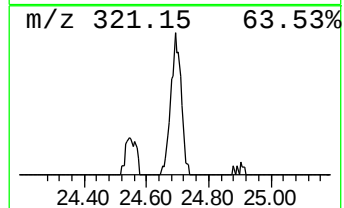
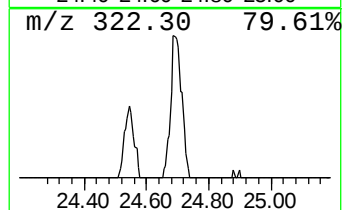
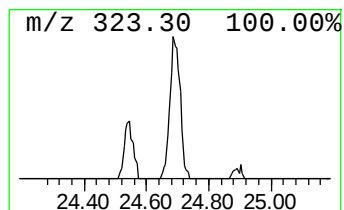
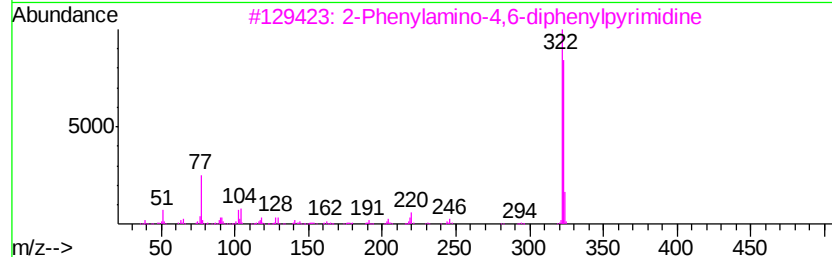
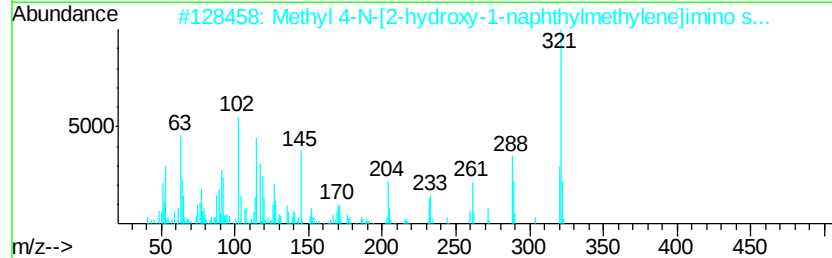
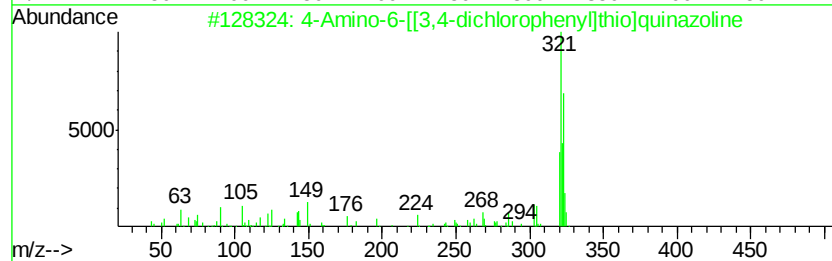
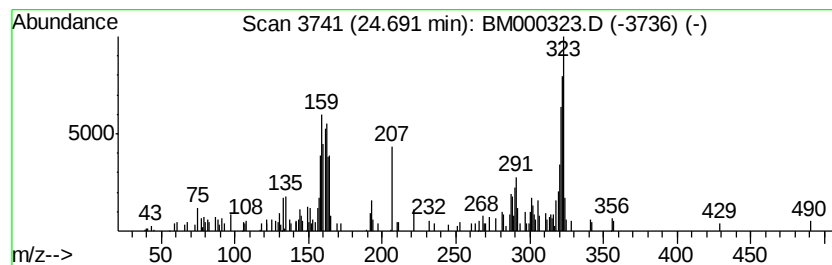
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown-01 Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.69 | 2.24 ng/ul | 265491 | Perylene-d12     | 23.67 |

| Hit# | of | Tentative ID                          | MW  | MolForm     | CAS#         | Qual |
|------|----|---------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | 4-Amino-6-[[3,4-dichlorophenyl]t...   | 321 | C14H9Cl2N3S | 052979-16-5  | 35   |
| 2    |    | Methyl 4-N-[2-hydroxy-1-naphthyl...]  | 321 | C19H15N04   | 1000256-42-8 | 35   |
| 3    |    | 2-Phenylamino-4,6-diphenylpyrimidi... | 323 | C22H17N3    | 300358-58-1  | 30   |
| 4    |    | 2-Phenylmethyl-9-nitro-7-oxo-4,5...   | 322 | C17H14N4O3  | 066596-60-9  | 14   |
| 5    |    | 3-[4-Chlorobenzal]-6-trifluorome...   | 323 | C16H9ClF3NO | 035315-58-3  | 14   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01       | 24.69 | 2.2     | ng/ul | 265491   | 6                     | 23.67 | 2372800 | 20.0 |