

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\  
 Data File : BG048166.D  
 Acq On : 16 Feb 2021 16:56  
 Operator : CG/JU  
 Sample : M1407-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBGL3

## 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:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.514    | 26         | 30       | 37        | rBV   | 14864       | 21222      | 1.03%        | 0.120%     |
| 2      | 4.019    | 113        | 116      | 121       | rVB4  | 1531        | 2441       | 0.12%        | 0.014%     |
| 3      | 4.166    | 137        | 141      | 143       | rBV4  | 1897        | 2843       | 0.14%        | 0.016%     |
| 4      | 4.189    | 143        | 145      | 148       | rVB2  | 2793        | 3167       | 0.15%        | 0.018%     |
| 5      | 5.623    | 386        | 389      | 392       | rBV2  | 1787        | 2323       | 0.11%        | 0.013%     |
| 6      | 7.245    | 660        | 665      | 679       | rBV2  | 56073       | 112903     | 5.46%        | 0.637%     |
| 7      | 7.421    | 687        | 695      | 703       | rBV   | 180002      | 309398     | 14.95%       | 1.747%     |
| 8      | 7.632    | 725        | 731      | 740       | rBV   | 205990      | 358492     | 17.33%       | 2.024%     |
| 9      | 7.715    | 743        | 745      | 750       | rVB2  | 2038        | 2646       | 0.13%        | 0.015%     |
| 10     | 7.891    | 770        | 775      | 778       | rBV3  | 1315        | 2276       | 0.11%        | 0.013%     |
| 11     | 8.102    | 804        | 811      | 819       | rBV   | 214186      | 366642     | 17.72%       | 2.070%     |
| 12     | 8.796    | 923        | 929      | 941       | rVB2  | 151057      | 266765     | 12.89%       | 1.506%     |
| 13     | 9.266    | 1001       | 1009     | 1017      | rBV   | 237152      | 439390     | 21.24%       | 2.481%     |
| 14     | 9.683    | 1076       | 1080     | 1085      | rVB3  | 3834        | 6102       | 0.29%        | 0.034%     |
| 15     | 9.988    | 1125       | 1132     | 1142      | rVV2  | 218790      | 390143     | 18.86%       | 2.203%     |
| 16     | 10.212   | 1168       | 1170     | 1174      | rVB2  | 1662        | 2252       | 0.11%        | 0.013%     |
| 17     | 10.453   | 1208       | 1211     | 1215      | rVB2  | 1526        | 2236       | 0.11%        | 0.013%     |
| 18     | 10.523   | 1215       | 1223     | 1232      | rBV   | 273153      | 509037     | 24.60%       | 2.874%     |
| 19     | 10.582   | 1232       | 1233     | 1236      | rVB2  | 3184        | 2668       | 0.13%        | 0.015%     |
| 20     | 10.694   | 1251       | 1252     | 1258      | rVB3  | 2119        | 3386       | 0.16%        | 0.019%     |
| 21     | 10.917   | 1282       | 1290     | 1297      | rBV   | 269916      | 490307     | 23.70%       | 2.768%     |
| 22     | 10.964   | 1297       | 1298     | 1305      | rVB2  | 3379        | 3552       | 0.17%        | 0.020%     |
| 23     | 11.046   | 1305       | 1312     | 1319      | rBV3  | 14846       | 26520      | 1.28%        | 0.150%     |
| 24     | 12.168   | 1500       | 1503     | 1508      | rVB3  | 2825        | 4273       | 0.21%        | 0.024%     |
| 25     | 12.491   | 1554       | 1558     | 1563      | rVB3  | 4870        | 8750       | 0.42%        | 0.049%     |
| 26     | 13.314   | 1694       | 1698     | 1700      | rBV   | 2211        | 3267       | 0.16%        | 0.018%     |
| 27     | 13.561   | 1734       | 1740     | 1747      | rBV2  | 25992       | 49953      | 2.41%        | 0.282%     |
| 28     | 13.778   | 1772       | 1777     | 1784      | rVB   | 51455       | 74445      | 3.60%        | 0.420%     |
| 29     | 14.125   | 1829       | 1836     | 1841      | rBV   | 642206      | 906524     | 43.82%       | 5.119%     |
| 30     | 14.172   | 1841       | 1844     | 1848      | rVB2  | 24211       | 31795      | 1.54%        | 0.180%     |
| 31     | 14.377   | 1875       | 1879     | 1880      | rBV   | 1611        | 2078       | 0.10%        | 0.012%     |
| 32     | 14.419   | 1880       | 1886     | 1897      | rVB   | 650920      | 1015236    | 49.07%       | 5.732%     |
| 33     | 14.612   | 1913       | 1919     | 1922      | rVB3  | 3558        | 4769       | 0.23%        | 0.027%     |
| 34     | 14.724   | 1931       | 1938     | 1945      | rVV2  | 453680      | 726009     | 35.09%       | 4.099%     |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 14.789 | 1945 | 1949 | 1954 | rVB4 | 2251    | 4118    | 0.20%  | 0.023% |
| 36 | 14.900 | 1962 | 1968 | 1978 | rBV3 | 41552   | 90399   | 4.37%  | 0.510% |
| 37 | 15.564 | 2077 | 2081 | 2083 | rVB3 | 2677    | 2894    | 0.14%  | 0.016% |
| 38 | 15.717 | 2100 | 2107 | 2114 | rBV  | 905733  | 1366753 | 66.06% | 7.717% |
| 39 | 15.823 | 2118 | 2125 | 2137 | rBV  | 315978  | 492092  | 23.79% | 2.779% |
| 40 | 15.958 | 2143 | 2148 | 2152 | rVB4 | 12138   | 18049   | 0.87%  | 0.102% |
| 41 | 16.058 | 2162 | 2165 | 2168 | rBV2 | 1678    | 2303    | 0.11%  | 0.013% |
| 42 | 16.281 | 2200 | 2203 | 2206 | rBV2 | 2220    | 3051    | 0.15%  | 0.017% |
| 43 | 16.369 | 2215 | 2218 | 2219 | rBV2 | 2373    | 2748    | 0.13%  | 0.016% |
| 44 | 16.422 | 2225 | 2227 | 2230 | rVB2 | 2391    | 2556    | 0.12%  | 0.014% |
| 45 | 16.499 | 2235 | 2240 | 2243 | rVV4 | 3486    | 5083    | 0.25%  | 0.029% |
| 46 | 16.698 | 2270 | 2274 | 2279 | rVB4 | 8469    | 10651   | 0.51%  | 0.060% |
| 47 | 16.851 | 2297 | 2300 | 2305 | rVB4 | 2943    | 3592    | 0.17%  | 0.020% |
| 48 | 16.939 | 2311 | 2315 | 2316 | rVB3 | 2067    | 2573    | 0.12%  | 0.015% |
| 49 | 16.998 | 2321 | 2325 | 2327 | rVB  | 2060    | 2153    | 0.10%  | 0.012% |
| 50 | 17.057 | 2331 | 2335 | 2337 | rBV2 | 1625    | 2075    | 0.10%  | 0.012% |
| 51 | 17.139 | 2347 | 2349 | 2351 | rBV2 | 2751    | 2496    | 0.12%  | 0.014% |
| 52 | 17.256 | 2366 | 2369 | 2374 | rVB3 | 3237    | 4565    | 0.22%  | 0.026% |
| 53 | 17.468 | 2398 | 2405 | 2412 | rBV  | 654292  | 970680  | 46.92% | 5.481% |
| 54 | 17.568 | 2412 | 2422 | 2433 | rVV  | 1084075 | 1619434 | 78.28% | 9.144% |
| 55 | 17.650 | 2433 | 2436 | 2437 | rVV3 | 1950    | 2110    | 0.10%  | 0.012% |
| 56 | 17.956 | 2484 | 2488 | 2489 | rBV3 | 2253    | 2788    | 0.13%  | 0.016% |
| 57 | 18.085 | 2508 | 2510 | 2513 | rBV2 | 2659    | 2525    | 0.12%  | 0.014% |
| 58 | 18.132 | 2513 | 2518 | 2519 | rBV3 | 3744    | 4695    | 0.23%  | 0.027% |
| 59 | 18.355 | 2551 | 2556 | 2565 | rBV8 | 22895   | 59985   | 2.90%  | 0.339% |
| 60 | 18.655 | 2602 | 2607 | 2608 | rBV3 | 2273    | 3885    | 0.19%  | 0.022% |
| 61 | 18.766 | 2623 | 2626 | 2628 | rVB4 | 2489    | 2759    | 0.13%  | 0.016% |
| 62 | 18.860 | 2640 | 2642 | 2645 | rVB2 | 2409    | 2291    | 0.11%  | 0.013% |
| 63 | 18.996 | 2663 | 2665 | 2669 | rVV3 | 2247    | 2808    | 0.14%  | 0.016% |
| 64 | 19.107 | 2681 | 2684 | 2688 | rVV5 | 3277    | 4687    | 0.23%  | 0.026% |
| 65 | 19.266 | 2706 | 2711 | 2714 | rBV6 | 2467    | 4539    | 0.22%  | 0.026% |
| 66 | 19.301 | 2714 | 2717 | 2719 | rVB4 | 3182    | 3650    | 0.18%  | 0.021% |
| 67 | 19.330 | 2719 | 2722 | 2723 | rBV3 | 2789    | 3278    | 0.16%  | 0.019% |
| 68 | 19.419 | 2735 | 2737 | 2739 | rVV2 | 3486    | 2642    | 0.13%  | 0.015% |
| 69 | 19.483 | 2743 | 2748 | 2754 | rBV2 | 16274   | 29833   | 1.44%  | 0.168% |
| 70 | 19.536 | 2754 | 2757 | 2758 | rBV2 | 3180    | 2999    | 0.14%  | 0.017% |
| 71 | 19.636 | 2769 | 2774 | 2779 | rBV7 | 8464    | 18003   | 0.87%  | 0.102% |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 72 | 19.730 | 2787 | 2790 | 2798 | rVB3 | 16064   | 28891   | 1.40%   | 0.163%  |
| 73 | 19.801 | 2798 | 2802 | 2803 | rBV4 | 2749    | 3483    | 0.17%   | 0.020%  |
| 74 | 19.848 | 2803 | 2810 | 2819 | rVV  | 1483497 | 2068900 | 100.00% | 11.682% |
| 75 | 19.989 | 2830 | 2834 | 2836 | rBV4 | 3128    | 4555    | 0.22%   | 0.026%  |
| 76 | 20.036 | 2840 | 2842 | 2843 | rBV2 | 3687    | 2598    | 0.13%   | 0.015%  |
| 77 | 20.200 | 2868 | 2870 | 2872 | rBV3 | 4889    | 4261    | 0.21%   | 0.024%  |
| 78 | 20.359 | 2895 | 2897 | 2898 | rBV2 | 3843    | 2570    | 0.12%   | 0.015%  |
| 79 | 20.817 | 2973 | 2975 | 2978 | rVB4 | 6200    | 3627    | 0.18%   | 0.020%  |
| 80 | 21.075 | 3016 | 3019 | 3020 | rBV2 | 5707    | 5602    | 0.27%   | 0.032%  |
| 81 | 21.369 | 3065 | 3069 | 3074 | rBV4 | 68966   | 109942  | 5.31%   | 0.621%  |
| 82 | 21.739 | 3125 | 3132 | 3140 | rVB  | 720974  | 1150414 | 55.61%  | 6.496%  |
| 83 | 21.927 | 3162 | 3164 | 3170 | rVB6 | 15906   | 21100   | 1.02%   | 0.119%  |
| 84 | 22.544 | 3267 | 3269 | 3276 | rVB7 | 15772   | 25888   | 1.25%   | 0.146%  |
| 85 | 23.249 | 3385 | 3389 | 3393 | rBV6 | 17908   | 28637   | 1.38%   | 0.162%  |
| 86 | 24.072 | 3524 | 3529 | 3535 | rVB3 | 22674   | 49434   | 2.39%   | 0.279%  |
| 87 | 24.783 | 3639 | 3650 | 3662 | rVB  | 754669  | 1996083 | 96.48%  | 11.271% |
| 88 | 25.006 | 3677 | 3688 | 3700 | rVB2 | 394462  | 1183012 | 57.18%  | 6.680%  |
| 89 | 26.187 | 3884 | 3889 | 3900 | rVB9 | 27907   | 71796   | 3.47%   | 0.405%  |
| 90 | 26.393 | 3922 | 3924 | 3925 | rBV2 | 7431    | 3894    | 0.19%   | 0.022%  |
| 91 | 27.515 | 4113 | 4115 | 4116 | rBV2 | 7569    | 5134    | 0.25%   | 0.029%  |
| 92 | 29.195 | 4399 | 4401 | 4402 | rBV2 | 7970    | 6461    | 0.31%   | 0.036%  |
| 93 | 31.845 | 4850 | 4852 | 4856 | rBV5 | 6253    | 9552    | 0.46%   | 0.054%  |
| 94 | 32.016 | 4879 | 4881 | 4882 | rBV2 | 5969    | 3787    | 0.18%   | 0.021%  |
| 95 | 32.163 | 4904 | 4906 | 4907 | rBV2 | 6816    | 5301    | 0.26%   | 0.030%  |

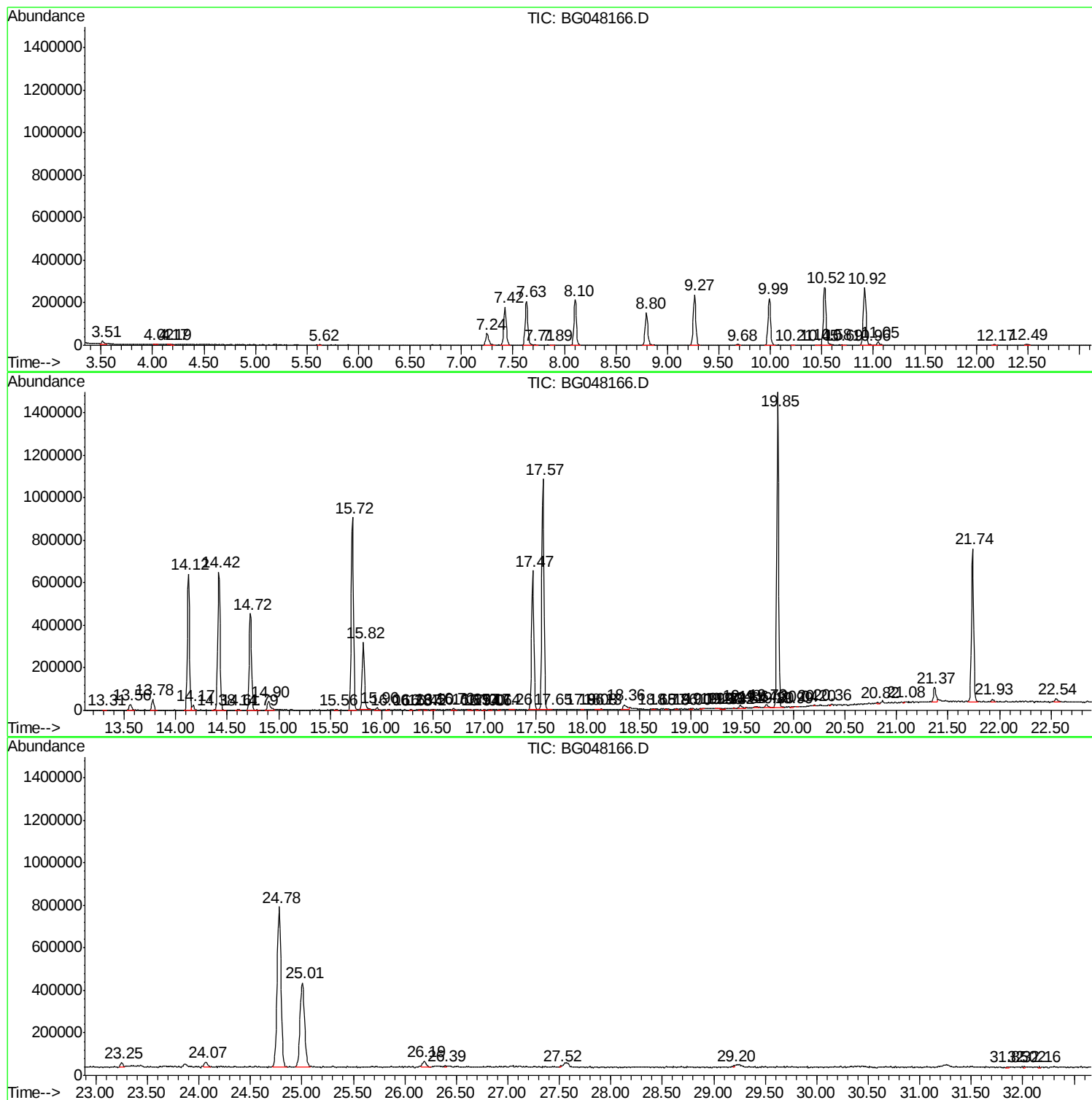
Sum of corrected areas: 17710474

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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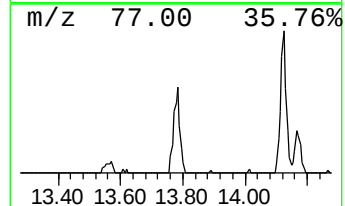
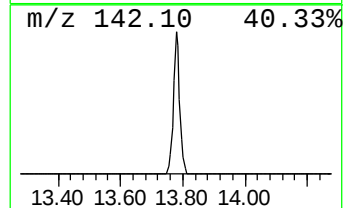
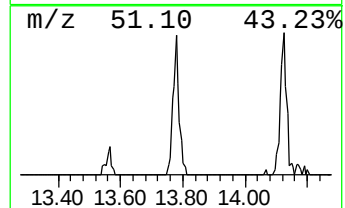
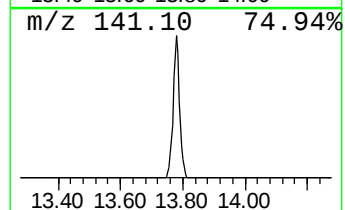
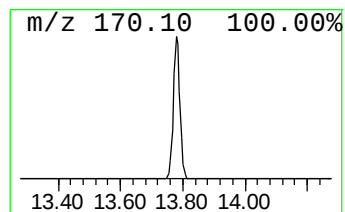
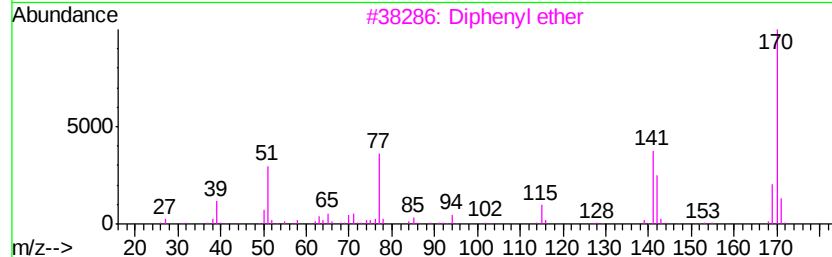
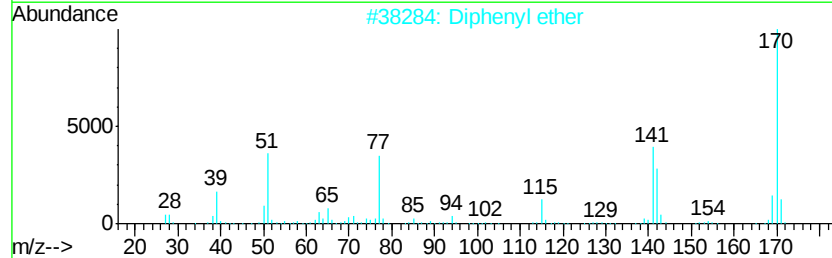
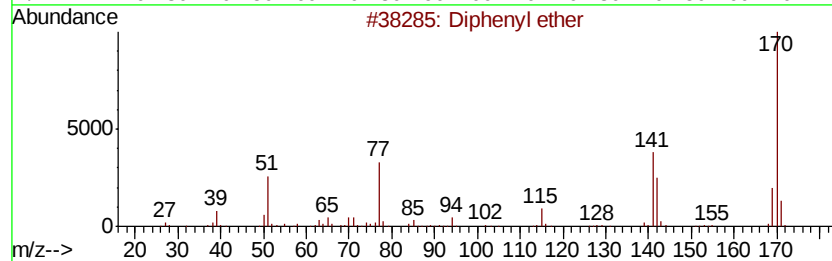
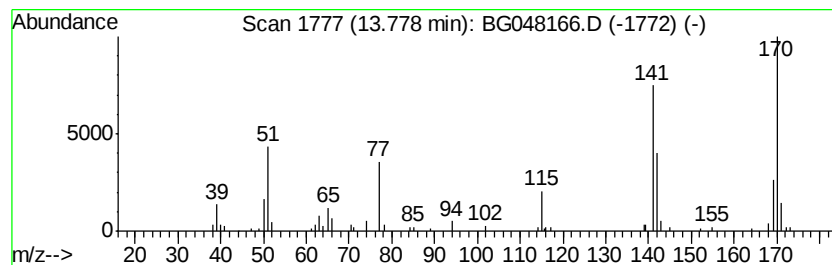
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Diphenyl ether Concentration Rank 1

| R.T.    | EstConc                    | Area         | Relative to ISTD | R.T.      |
|---------|----------------------------|--------------|------------------|-----------|
| 13.78   | 2.05 ng/ul                 | 74445        | Acenaphthene-d10 | 14.72     |
| Hit# of | 5                          | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Diphenyl ether             | 170 C12H10O  | 000101-84-8      | 83        |
| 2       | Diphenyl ether             | 170 C12H10O  | 000101-84-8      | 74        |
| 3       | Diphenyl ether             | 170 C12H10O  | 000101-84-8      | 70        |
| 4       | Diphenyl ether             | 170 C12H10O  | 000101-84-8      | 64        |
| 5       | 1H,3H-Naphtho[1,8-cd]pyran | 170 C12H10O  | 000203-84-9      | 58        |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Diphenyl ether   | 13.78 | 2.0     | ng/ul | 74445    | 3                     | 14.72 | 726009 | 20.0 |