

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010920\  
 Data File : BM024453.D  
 Acq On : 10 Jan 2020 10:13  
 Operator : JU  
 Sample : L1022-01  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 H0BP6

## 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\_M\METHODS\SOM-EPA-BM010820MA.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         | 6.681       | 641           | 645         | 655          | rVB3     | 193042         | 345811        | 5.99%           | 0.674%        |
| 2         | 6.840       | 667           | 672         | 682          | rVB      | 658382         | 975751        | 16.90%          | 1.901%        |
| 3         | 7.034       | 699           | 705         | 712          | rVB      | 696095         | 1091387       | 18.90%          | 2.127%        |
| 4         | 7.493       | 777           | 783         | 790          | rVB      | 983594         | 1497446       | 25.94%          | 2.918%        |
| 5         | 8.198       | 898           | 903         | 910          | rVB      | 505792         | 762898        | 13.21%          | 1.487%        |
| 6         | 8.628       | 970           | 976         | 983          | rVB      | 860542         | 1351935       | 23.42%          | 2.634%        |
| 7         | 9.139       | 1059          | 1063        | 1068         | rVB3     | 69822          | 99002         | 1.71%           | 0.193%        |
| 8         | 9.345       | 1092          | 1098        | 1109         | rVB      | 461681         | 740525        | 12.83%          | 1.443%        |
| 9         | 9.881       | 1183          | 1189        | 1199         | rBV      | 875802         | 1393773       | 24.14%          | 2.716%        |
| 10        | 10.251      | 1246          | 1252        | 1261         | rVB      | 1159435        | 1902687       | 32.96%          | 3.708%        |
| 11        | 10.386      | 1271          | 1275        | 1282         | rVB2     | 77859          | 141234        | 2.45%           | 0.275%        |
| 12        | 13.557      | 1808          | 1814        | 1819         | rBV      | 1946443        | 2564151       | 44.41%          | 4.997%        |
| 13        | 13.604      | 1819          | 1822        | 1828         | rVB      | 156238         | 197285        | 3.42%           | 0.384%        |
| 14        | 13.822      | 1853          | 1859        | 1867         | rVB      | 2091259        | 2949635       | 51.09%          | 5.748%        |
| 15        | 14.133      | 1906          | 1912        | 1919         | rVB      | 1669952        | 2440825       | 42.28%          | 4.756%        |
| 16        | 14.339      | 1940          | 1947        | 1961         | rBV2     | 126431         | 240487        | 4.17%           | 0.469%        |
| 17        | 14.904      | 2040          | 2043        | 2047         | rBV3     | 7847           | 9562          | 0.17%           | 0.019%        |
| 18        | 15.045      | 2065          | 2067        | 2071         | rVB3     | 8977           | 9607          | 0.17%           | 0.019%        |
| 19        | 15.133      | 2076          | 2082        | 2089         | rVV      | 2731635        | 3733793       | 64.67%          | 7.276%        |
| 20        | 15.251      | 2096          | 2102        | 2111         | rBV      | 549062         | 757513        | 13.12%          | 1.476%        |
| 21        | 15.374      | 2117          | 2123        | 2128         | rBV3     | 30509          | 53785         | 0.93%           | 0.105%        |
| 22        | 15.927      | 2209          | 2217        | 2224         | rVB8     | 12023          | 19916         | 0.34%           | 0.039%        |
| 23        | 16.074      | 2241          | 2242        | 2246         | rBV3     | 4112           | 6122          | 0.11%           | 0.012%        |
| 24        | 16.663      | 2339          | 2342        | 2347         | rBV3     | 5439           | 9655          | 0.17%           | 0.019%        |
| 25        | 16.704      | 2347          | 2349        | 2353         | rVB2     | 8598           | 12251         | 0.21%           | 0.024%        |
| 26        | 16.739      | 2353          | 2355        | 2359         | rBV3     | 5739           | 9535          | 0.17%           | 0.019%        |
| 27        | 16.827      | 2367          | 2370        | 2373         | rBV2     | 6088           | 8090          | 0.14%           | 0.016%        |
| 28        | 16.886      | 2373          | 2380        | 2386         | rVV      | 2123408        | 2878922       | 49.87%          | 5.610%        |
| 29        | 16.980      | 2390          | 2396        | 2406         | rBV      | 3249895        | 4503552       | 78.01%          | 8.776%        |
| 30        | 17.210      | 2430          | 2435        | 2438         | rBV4     | 4986           | 8090          | 0.14%           | 0.016%        |
| 31        | 17.821      | 2531          | 2539        | 2545         | rBV2     | 134319         | 195270        | 3.38%           | 0.381%        |
| 32        | 17.886      | 2548          | 2550        | 2554         | rVB5     | 6304           | 8027          | 0.14%           | 0.016%        |
| 33        | 18.109      | 2585          | 2588        | 2591         | rBV5     | 6759           | 7909          | 0.14%           | 0.015%        |
| 34        | 18.257      | 2611          | 2613        | 2617         | rVB4     | 4880           | 6338          | 0.11%           | 0.012%        |

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 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\_M\METHODS\SOM-EPA-BM010820MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 18.686 | 2685 | 2686 | 2689 | rVB3 | 6412    | 5977    | 0.10%   | 0.012%  |
| 36 | 18.915 | 2722 | 2725 | 2729 | rVB2 | 29802   | 39161   | 0.68%   | 0.076%  |
| 37 | 19.115 | 2756 | 2759 | 2764 | rBV4 | 42015   | 57251   | 0.99%   | 0.112%  |
| 38 | 19.174 | 2766 | 2769 | 2773 | rVB2 | 28269   | 33924   | 0.59%   | 0.066%  |
| 39 | 19.286 | 2782 | 2788 | 2796 | rBV  | 4396366 | 5449973 | 94.40%  | 10.620% |
| 40 | 19.786 | 2868 | 2873 | 2876 | rBV7 | 10888   | 22720   | 0.39%   | 0.044%  |
| 41 | 19.862 | 2883 | 2886 | 2890 | rVB5 | 12796   | 12685   | 0.22%   | 0.025%  |
| 42 | 20.850 | 3050 | 3054 | 3060 | rBV  | 283299  | 412064  | 7.14%   | 0.803%  |
| 43 | 21.092 | 3090 | 3095 | 3105 | rBV  | 2904677 | 3414319 | 59.14%  | 6.653%  |
| 44 | 21.303 | 3129 | 3131 | 3135 | rBV5 | 66248   | 80953   | 1.40%   | 0.158%  |
| 45 | 21.733 | 3201 | 3204 | 3209 | rBV2 | 126257  | 155258  | 2.69%   | 0.303%  |
| 46 | 22.180 | 3276 | 3280 | 3283 | rBV  | 193035  | 223342  | 3.87%   | 0.435%  |
| 47 | 22.662 | 3358 | 3362 | 3367 | rBV2 | 229224  | 316245  | 5.48%   | 0.616%  |
| 48 | 23.092 | 3428 | 3435 | 3447 | rBV  | 3413617 | 5773303 | 100.00% | 11.250% |
| 49 | 23.227 | 3450 | 3458 | 3466 | rVB  | 2060421 | 4062896 | 70.37%  | 7.917%  |
| 50 | 23.815 | 3554 | 3558 | 3563 | rBV2 | 204885  | 325257  | 5.63%   | 0.634%  |

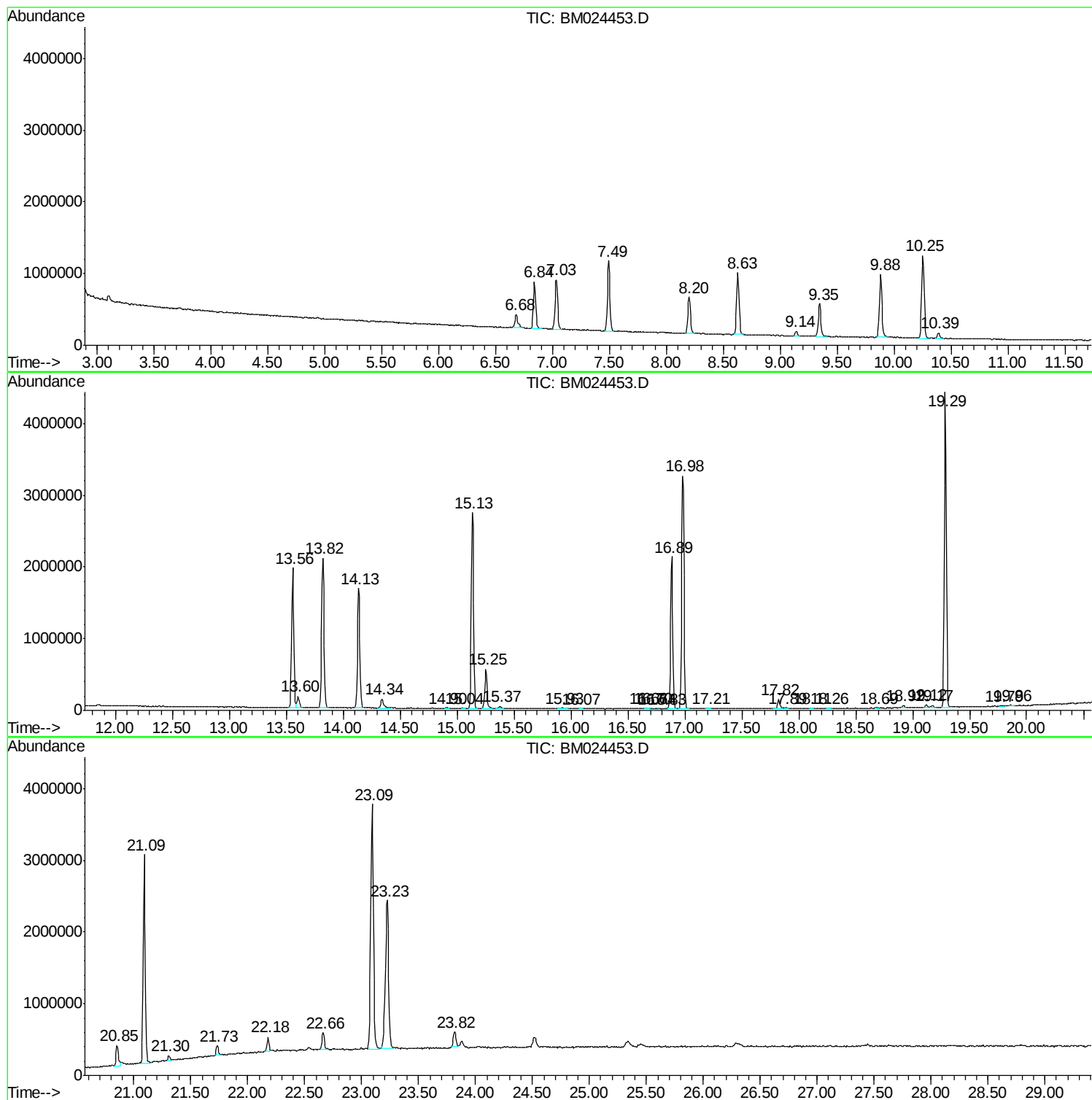
Sum of corrected areas: 51318097

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM010820MA.M  
Quant Title : SVOA CALIBRATION

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



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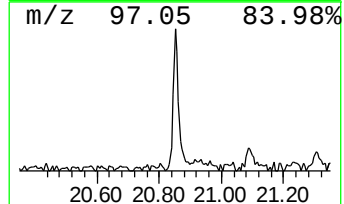
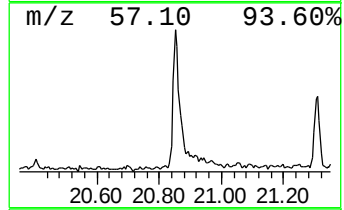
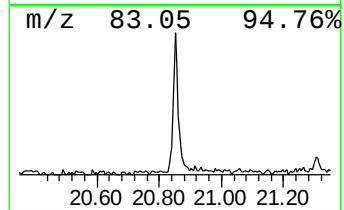
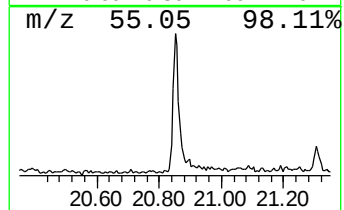
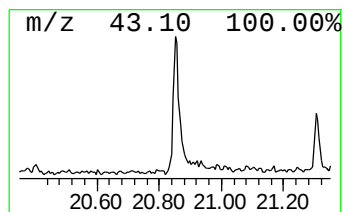
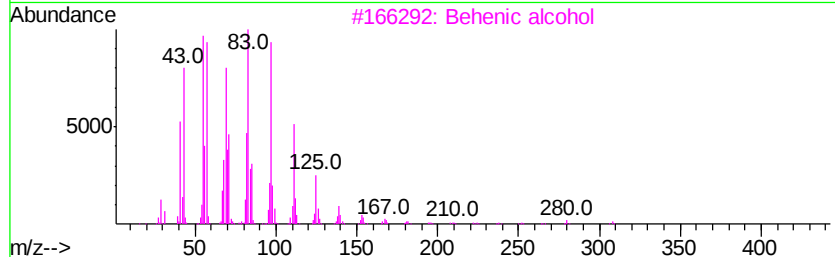
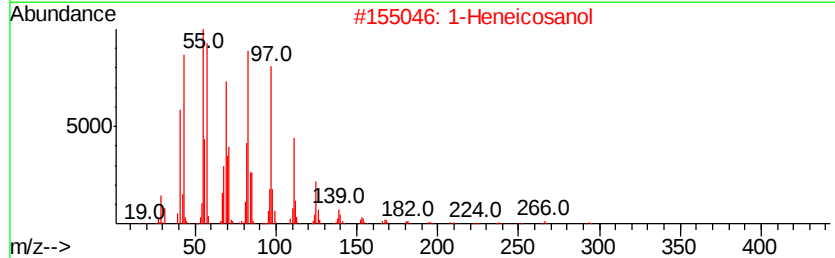
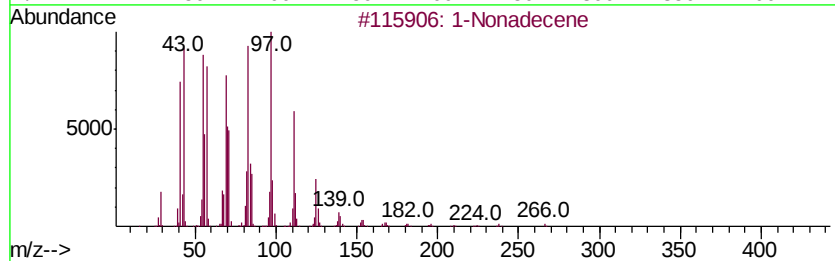
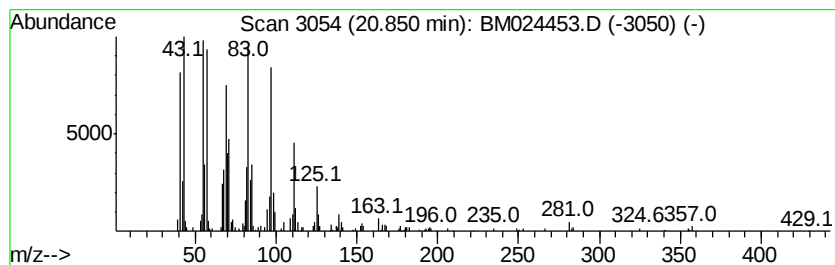
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Quant Title : SVOA CALIBRATION

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

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Peak Number 1 (DEL) Alkane: Cyclic20.85 Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.       |             |      |
|---------|-------------------------------------|--------------|------------------|------------|-------------|------|
| 20.85   | 2.41 ng/ul                          | 412064       | Chrysene-d12     | 21.09      |             |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm    | CAS#        | Qual |
| 1       | 1-Nonadecene                        |              | 266              | C19H38     | 018435-45-5 | 99   |
| 2       | 1-Heneicosanol                      |              | 312              | C21H44O    | 015594-90-8 | 95   |
| 3       | Behenic alcohol                     |              | 326              | C22H46O    | 000661-19-8 | 95   |
| 4       | Heptafluorobutyric acid, pentade... |              | 424              | C19H31F7O2 | 959261-23-5 | 94   |
| 5       | Pentafluoropropionic acid, penta... |              | 374              | C18H31F5O2 | 959092-08-1 | 94   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Cyc... | 20.85 | 2.4     | ng/ul | 412064   | 5                     | 21.09 | 3414320 | 20.0 |