

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\  
 Data File : BM022989.D  
 Acq On : 05 Oct 2019 13:42  
 Operator : JU  
 Sample : K5050-08  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLMC4

## 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-BM092719MA.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         | 3.263       | 44            | 47          | 57           | rVB      | 38185          | 56209         | 1.55%           | 0.134%        |
| 2         | 3.999       | 168           | 172         | 180          | rVB2     | 8290           | 13396         | 0.37%           | 0.032%        |
| 3         | 6.463       | 587           | 591         | 598          | rVB4     | 5073           | 9316          | 0.26%           | 0.022%        |
| 4         | 6.957       | 668           | 675         | 690          | rBV2     | 688528         | 1232333       | 33.88%          | 2.947%        |
| 5         | 7.122       | 696           | 703         | 713          | rBV      | 492653         | 803405        | 22.09%          | 1.921%        |
| 6         | 7.322       | 731           | 737         | 748          | rVB      | 714509         | 1110971       | 30.55%          | 2.657%        |
| 7         | 7.787       | 809           | 816         | 824          | rBV      | 713650         | 1114441       | 30.64%          | 2.665%        |
| 8         | 7.857       | 824           | 828         | 835          | rVB      | 7764           | 11785         | 0.32%           | 0.028%        |
| 9         | 8.492       | 929           | 936         | 946          | rBV      | 845055         | 1345459       | 36.99%          | 3.217%        |
| 10        | 8.940       | 1004          | 1012        | 1024         | rBV      | 636533         | 1022004       | 28.10%          | 2.444%        |
| 11        | 9.110       | 1037          | 1041        | 1045         | rBV3     | 3666           | 4600          | 0.13%           | 0.011%        |
| 12        | 9.381       | 1082          | 1087        | 1093         | rVB      | 12383          | 18852         | 0.52%           | 0.045%        |
| 13        | 9.663       | 1127          | 1135        | 1143         | rBV      | 493711         | 807404        | 22.20%          | 1.931%        |
| 14        | 10.198      | 1219          | 1226        | 1237         | rBV      | 872719         | 1405332       | 38.64%          | 3.361%        |
| 15        | 10.575      | 1283          | 1290        | 1298         | rBV      | 996777         | 1667248       | 45.84%          | 3.987%        |
| 16        | 10.710      | 1306          | 1313        | 1328         | rBV      | 811239         | 1397394       | 38.42%          | 3.342%        |
| 17        | 12.010      | 1528          | 1534        | 1537         | rBV5     | 2852           | 4916          | 0.14%           | 0.012%        |
| 18        | 12.169      | 1555          | 1561        | 1566         | rVB2     | 10948          | 17548         | 0.48%           | 0.042%        |
| 19        | 13.263      | 1741          | 1747        | 1752         | rVB5     | 5269           | 8373          | 0.23%           | 0.020%        |
| 20        | 13.327      | 1754          | 1758        | 1764         | rVB5     | 2686           | 3862          | 0.11%           | 0.009%        |
| 21        | 13.710      | 1816          | 1823        | 1825         | rBV3     | 2272           | 4615          | 0.13%           | 0.011%        |
| 22        | 13.833      | 1838          | 1844        | 1848         | rBV      | 1392518        | 1931913       | 53.12%          | 4.620%        |
| 23        | 13.880      | 1848          | 1852        | 1858         | rVB      | 548728         | 739719        | 20.34%          | 1.769%        |
| 24        | 14.116      | 1885          | 1892        | 1903         | rBV      | 1774168        | 2515967       | 69.17%          | 6.016%        |
| 25        | 14.333      | 1925          | 1929        | 1934         | rVB2     | 7051           | 9420          | 0.26%           | 0.023%        |
| 26        | 14.422      | 1938          | 1944        | 1955         | rVB      | 1574870        | 2296799       | 63.15%          | 5.492%        |
| 27        | 14.621      | 1971          | 1978        | 1996         | rBV      | 480474         | 764233        | 21.01%          | 1.828%        |
| 28        | 14.780      | 2001          | 2005        | 2011         | rVB6     | 3325           | 6739          | 0.19%           | 0.016%        |
| 29        | 14.839      | 2011          | 2015        | 2021         | rBV3     | 14984          | 21993         | 0.60%           | 0.053%        |
| 30        | 15.016      | 2041          | 2045        | 2049         | rVB4     | 3078           | 4049          | 0.11%           | 0.010%        |
| 31        | 15.233      | 2078          | 2082        | 2086         | rBV4     | 2282           | 4357          | 0.12%           | 0.010%        |
| 32        | 15.280      | 2086          | 2090        | 2094         | rVB      | 7834           | 9910          | 0.27%           | 0.024%        |
| 33        | 15.416      | 2106          | 2113        | 2126         | rBV      | 2172538        | 3067663       | 84.34%          | 7.336%        |
| 34        | 15.527      | 2126          | 2132        | 2146         | rBV      | 427554         | 604453        | 16.62%          | 1.445%        |

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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-BM092719MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 15.651 | 2149 | 2153 | 2158 | rBV  | 20542   | 30386   | 0.84%   | 0.073% |
| 36 | 16.139 | 2233 | 2236 | 2239 | rBV2 | 5259    | 7365    | 0.20%   | 0.018% |
| 37 | 16.198 | 2243 | 2246 | 2252 | rVB2 | 5986    | 8191    | 0.23%   | 0.020% |
| 38 | 16.416 | 2279 | 2283 | 2287 | rVB5 | 3469    | 5344    | 0.15%   | 0.013% |
| 39 | 16.933 | 2367 | 2371 | 2372 | rBV3 | 5447    | 6356    | 0.17%   | 0.015% |
| 40 | 17.163 | 2403 | 2410 | 2420 | rBV2 | 1922491 | 2640969 | 72.61%  | 6.315% |
| 41 | 17.262 | 2420 | 2427 | 2438 | rBV  | 2271103 | 3222865 | 88.61%  | 7.707% |
| 42 | 17.545 | 2467 | 2475 | 2481 | rBV6 | 5998    | 14322   | 0.39%   | 0.034% |
| 43 | 17.668 | 2493 | 2496 | 2500 | rBV3 | 5118    | 7945    | 0.22%   | 0.019% |
| 44 | 17.933 | 2535 | 2541 | 2542 | rBV4 | 5188    | 6865    | 0.19%   | 0.016% |
| 45 | 18.057 | 2557 | 2562 | 2572 | rBV  | 140718  | 212220  | 5.83%   | 0.507% |
| 46 | 18.357 | 2612 | 2613 | 2617 | rBV3 | 5410    | 6495    | 0.18%   | 0.016% |
| 47 | 18.492 | 2632 | 2636 | 2639 | rVB5 | 10703   | 11099   | 0.31%   | 0.027% |
| 48 | 19.186 | 2751 | 2754 | 2759 | rBV  | 22346   | 28644   | 0.79%   | 0.068% |
| 49 | 19.339 | 2776 | 2780 | 2784 | rBV2 | 30395   | 38877   | 1.07%   | 0.093% |
| 50 | 19.445 | 2793 | 2798 | 2801 | rBV  | 17623   | 26496   | 0.73%   | 0.063% |
| 51 | 19.551 | 2811 | 2816 | 2829 | rBV  | 2711457 | 3637148 | 100.00% | 8.698% |
| 52 | 21.056 | 3068 | 3072 | 3082 | rBV  | 377277  | 533870  | 14.68%  | 1.277% |
| 53 | 21.339 | 3115 | 3120 | 3127 | rBV  | 2058113 | 2479165 | 68.16%  | 5.928% |
| 54 | 23.456 | 3473 | 3480 | 3492 | rVB  | 1388236 | 2727981 | 75.00%  | 6.523% |
| 55 | 23.597 | 3498 | 3504 | 3513 | rVB  | 1122628 | 2128619 | 58.52%  | 5.090% |

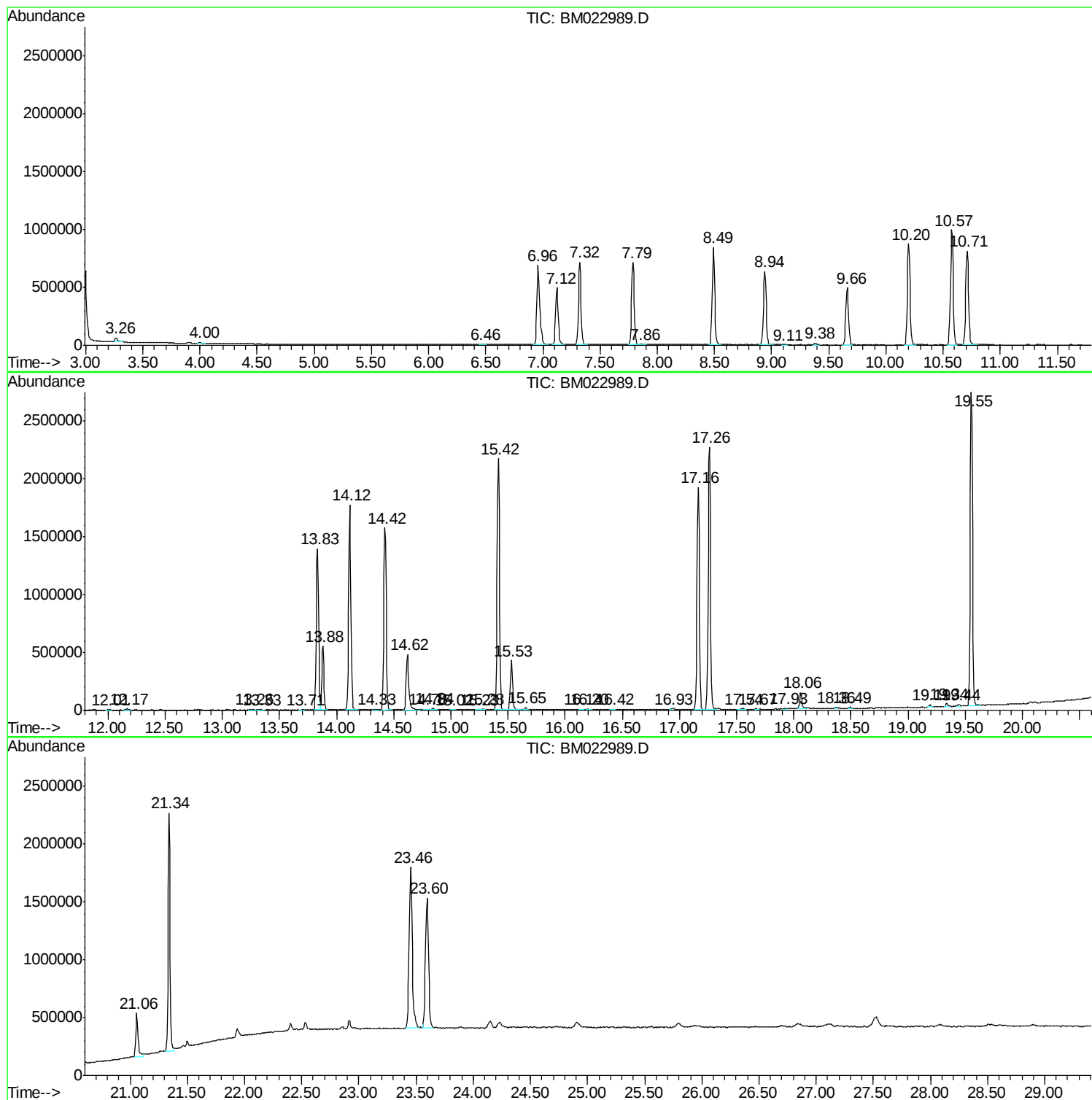
Sum of corrected areas: 41817900

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
Quant Title : SVOA CALIBRATION

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



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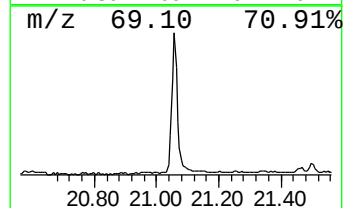
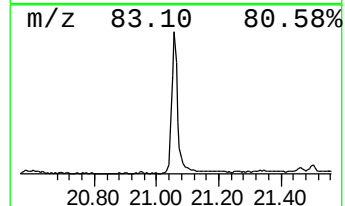
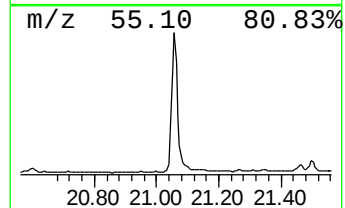
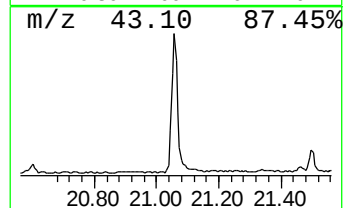
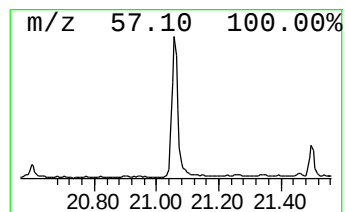
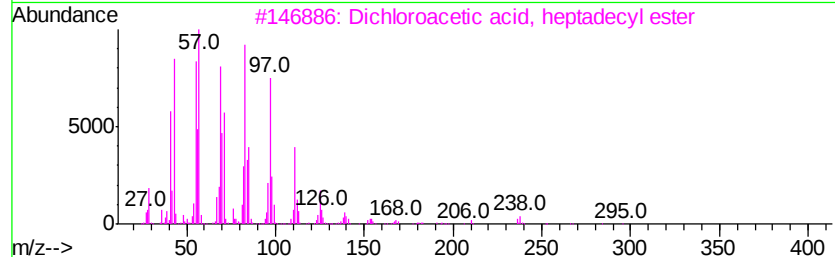
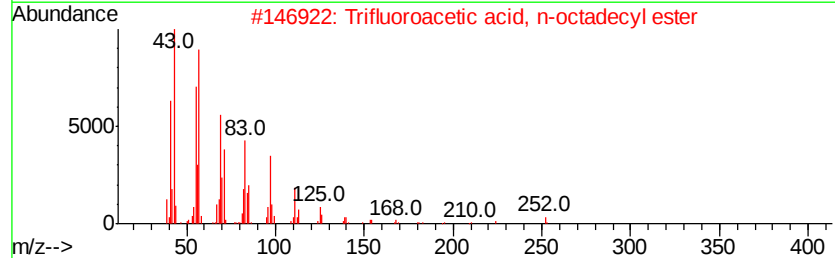
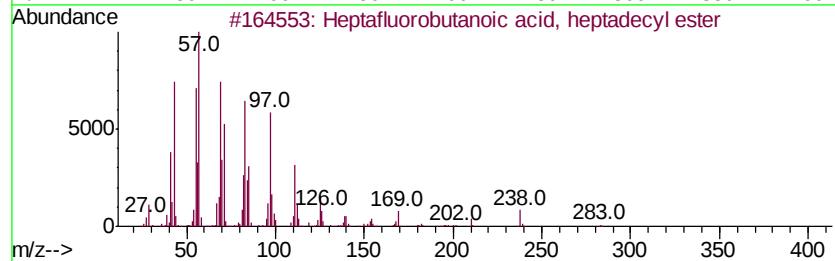
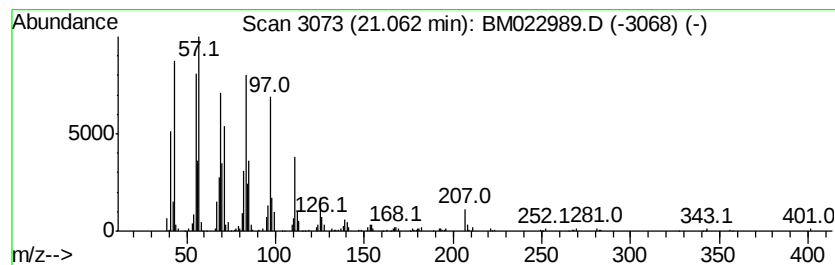
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Heptafluorobutanoic acid, h... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.06 | 4.31 ng/ul | 533870 | Chrysene-d12     | 21.34 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 94   |
| 2    |    | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2  | 079392-43-1  | 91   |
| 3    |    | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 91   |
| 4    |    | Heptafluorobutyric acid, n-penta... | 424 | C19H31F7O2  | 1000216-79-3 | 91   |
| 5    |    | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2  | 018992-03-5  | 91   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Heptafluorobutano... | 21.06 | 4.3     | ng/ul | 533870   | 5                     | 21.34 | 2479170 | 20.0 |