

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM011818\  
 Data File : BM013645.D  
 Acq On : 18 Jan 2018 17:39  
 Operator : SJ/JU  
 Sample : J1097-13  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DAJP2

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 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\SOM-EPA-BM011018.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      | 3.163    | 27         | 30       | 36        | rVB2  | 36854       | 42636      | 1.40%        | 0.138%     |
| 2      | 6.798    | 641        | 648      | 660       | rBV2  | 491315      | 907187     | 29.89%       | 2.936%     |
| 3      | 6.957    | 670        | 675      | 684       | rBV   | 376720      | 576091     | 18.98%       | 1.864%     |
| 4      | 7.151    | 702        | 708      | 718       | rBV   | 517306      | 829654     | 27.34%       | 2.685%     |
| 5      | 7.616    | 781        | 787      | 796       | rBV   | 474349      | 744610     | 24.54%       | 2.410%     |
| 6      | 8.328    | 902        | 908      | 916       | rBV   | 602091      | 998212     | 32.89%       | 3.230%     |
| 7      | 8.769    | 975        | 983      | 993       | rBV   | 497777      | 837093     | 27.58%       | 2.709%     |
| 8      | 9.486    | 1098       | 1105     | 1116      | rBV   | 418752      | 709608     | 23.38%       | 2.296%     |
| 9      | 10.022   | 1189       | 1196     | 1209      | rBV   | 607669      | 1050914    | 34.63%       | 3.401%     |
| 10     | 10.392   | 1251       | 1259     | 1269      | rBV   | 615463      | 984351     | 32.44%       | 3.185%     |
| 11     | 10.539   | 1276       | 1284     | 1296      | rBV   | 537577      | 993905     | 32.75%       | 3.216%     |
| 12     | 13.686   | 1811       | 1819     | 1823      | rBV   | 1050173     | 1501666    | 49.48%       | 4.860%     |
| 13     | 13.733   | 1823       | 1827     | 1836      | rVB   | 201648      | 309497     | 10.20%       | 1.002%     |
| 14     | 13.957   | 1857       | 1865     | 1876      | rBV   | 1254897     | 1809178    | 59.61%       | 5.855%     |
| 15     | 14.269   | 1912       | 1918     | 1927      | rBV2  | 807233      | 1222549    | 40.28%       | 3.956%     |
| 16     | 14.492   | 1950       | 1956     | 1972      | rBV2  | 360605      | 667682     | 22.00%       | 2.161%     |
| 17     | 15.263   | 2081       | 2087     | 2099      | rBV   | 1483205     | 2182941    | 71.93%       | 7.064%     |
| 18     | 15.404   | 2104       | 2111     | 2122      | rBV   | 390850      | 616460     | 20.31%       | 1.995%     |
| 19     | 15.639   | 2145       | 2151     | 2157      | rBV2  | 39504       | 57126      | 1.88%        | 0.185%     |
| 20     | 16.686   | 2325       | 2329     | 2343      | rVB7  | 15744       | 37774      | 1.24%        | 0.122%     |
| 21     | 17.021   | 2379       | 2386     | 2393      | rBV   | 1049366     | 1466633    | 48.33%       | 4.746%     |
| 22     | 17.115   | 2396       | 2402     | 2416      | rVV2  | 1588165     | 2351981    | 77.50%       | 7.611%     |
| 23     | 17.921   | 2535       | 2539     | 2547      | rBV   | 118441      | 181804     | 5.99%        | 0.588%     |
| 24     | 19.209   | 2755       | 2758     | 2764      | rBV4  | 59520       | 79255      | 2.61%        | 0.256%     |
| 25     | 19.421   | 2788       | 2794     | 2801      | rVB   | 2094169     | 2760274    | 90.95%       | 8.933%     |
| 26     | 20.362   | 2948       | 2954     | 2957      | rBV2  | 102368      | 130081     | 4.29%        | 0.421%     |
| 27     | 20.939   | 3047       | 3052     | 3062      | rBV5  | 153190      | 230797     | 7.60%        | 0.747%     |
| 28     | 21.215   | 3094       | 3099     | 3106      | rBV   | 1402829     | 1840433    | 60.64%       | 5.956%     |
| 29     | 23.280   | 3443       | 3450     | 3461      | rBV2  | 1638379     | 3034823    | 100.00%      | 9.821%     |
| 30     | 23.415   | 3467       | 3473     | 3482      | rVB   | 935497      | 1745867    | 57.53%       | 5.650%     |

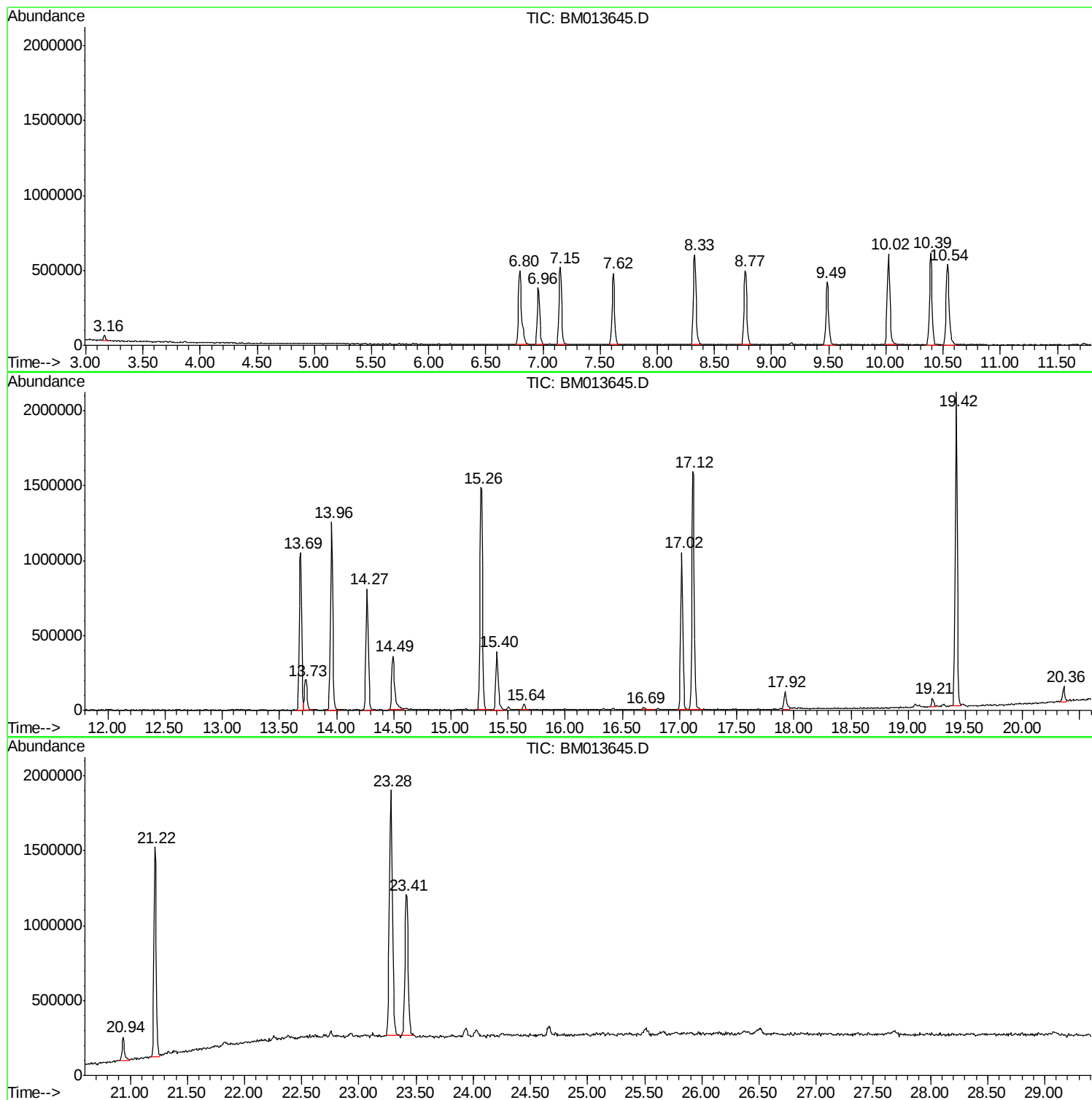
Sum of corrected areas: 30901082

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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



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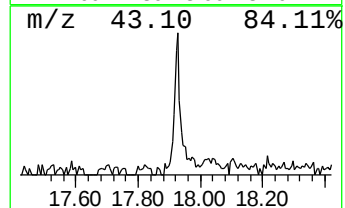
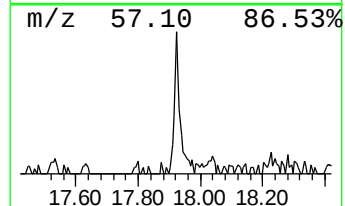
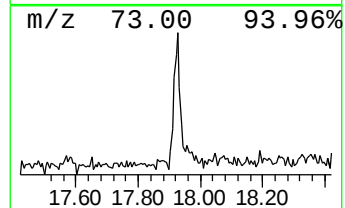
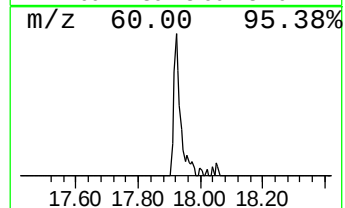
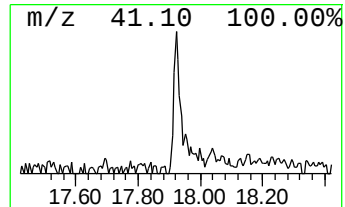
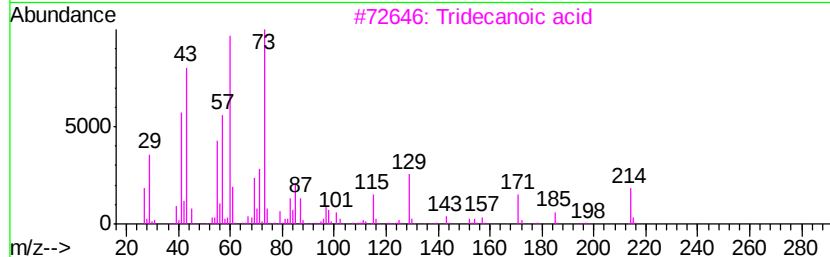
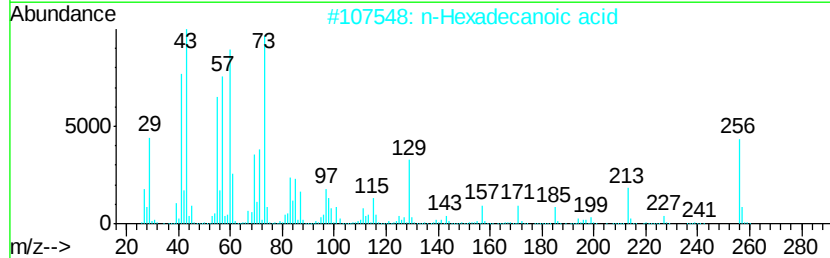
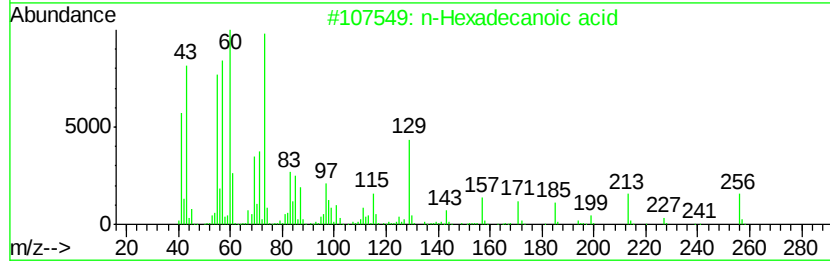
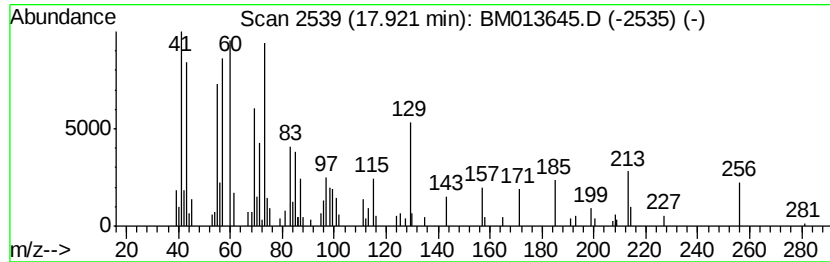
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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.     |             |      |
|---------|---------------------|--------------|------------------|----------|-------------|------|
| 17.92   | 2.48 ng/ul          | 181804       | Phenanthrene-d10 | 17.02    |             |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm  | CAS#        | Qual |
| 1       | n-Hexadecanoic acid |              | 256              | C16H32O2 | 000057-10-3 | 93   |
| 2       | n-Hexadecanoic acid |              | 256              | C16H32O2 | 000057-10-3 | 86   |
| 3       | Tridecanoic acid    |              | 214              | C13H26O2 | 000638-53-9 | 60   |
| 4       | Tridecanoic acid    |              | 214              | C13H26O2 | 000638-53-9 | 55   |
| 5       | Tetradecanoic acid  |              | 228              | C14H28O2 | 000544-63-8 | 47   |



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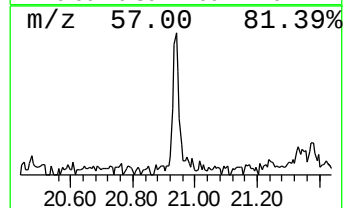
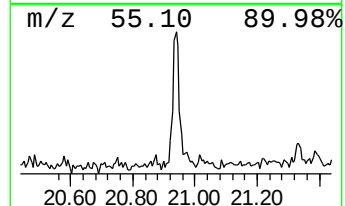
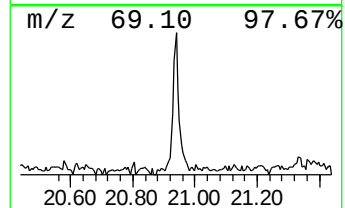
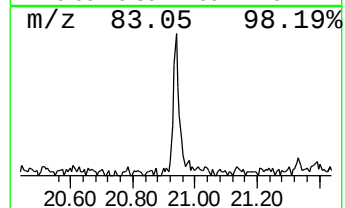
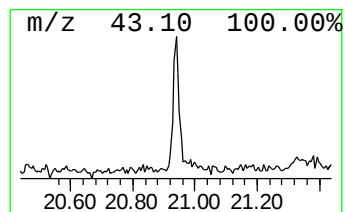
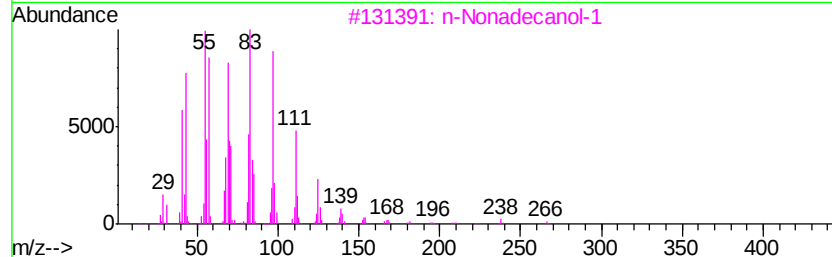
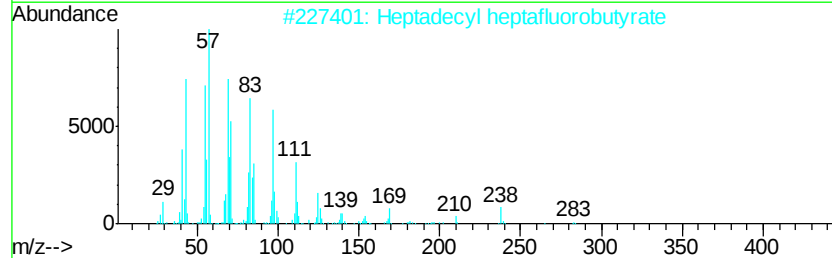
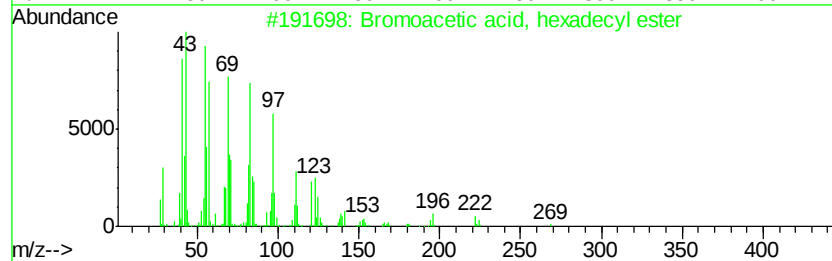
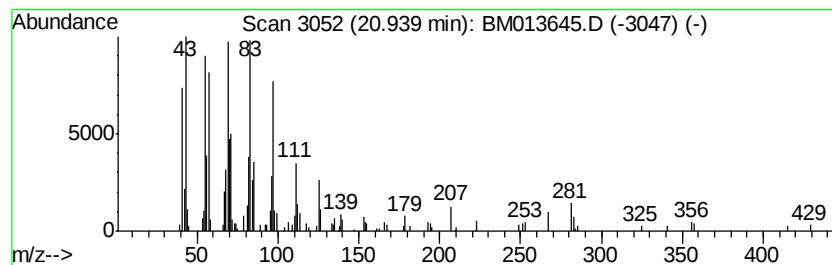
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Peak Number 2 Bromoacetic acid, hexadecyl... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.94 | 2.51 ng/ul | 230797 | Chrysene-d12     | 21.22 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | Bromoacetic acid, hexadecyl ester   | 362 | C18H35BrO2 | 005454-48-8 | 87   |
| 2    |    |   | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2 | 959085-66-6 | 87   |
| 3    |    |   | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 87   |
| 4    |    |   | Behenic alcohol                     | 326 | C22H46O    | 000661-19-8 | 87   |
| 5    |    |   | Acetic acid, chloro-, hexadecyl ... | 318 | C18H35ClO2 | 052132-58-8 | 87   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.92 | 2.5     | ng/ul | 181804   | 4                     | 17.02 | 1466630 | 20.0 |
| Bromoacetic acid,... | 20.94 | 2.5     | ng/ul | 230797   | 5                     | 21.22 | 1840430 | 20.0 |