

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082418\  
 Data File : BN002514.D  
 Acq On : 24 Aug 2018 22:55  
 Operator : JU/SJ  
 Sample : J4628-14  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DB3F9

## 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:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.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         | 6.852       | 651           | 657         | 670          | rVB      | 399739         | 746496        | 21.89%          | 2.104%        |
| 2         | 7.010       | 679           | 684         | 693          | rVB      | 318234         | 495411        | 14.53%          | 1.396%        |
| 3         | 7.205       | 712           | 717         | 728          | rVB      | 398483         | 673788        | 19.76%          | 1.899%        |
| 4         | 7.669       | 790           | 796         | 806          | rVB      | 564671         | 906846        | 26.59%          | 2.556%        |
| 5         | 8.375       | 910           | 916         | 929          | rBV      | 486675         | 841893        | 24.69%          | 2.373%        |
| 6         | 8.816       | 985           | 991         | 1002         | rVB      | 422744         | 713656        | 20.93%          | 2.012%        |
| 7         | 9.534       | 1107          | 1113        | 1122         | rVB      | 338540         | 571637        | 16.76%          | 1.611%        |
| 8         | 10.069      | 1198          | 1204        | 1215         | rBV      | 498568         | 879647        | 25.79%          | 2.480%        |
| 9         | 10.440      | 1260          | 1267        | 1277         | rBV      | 862939         | 1446483       | 42.42%          | 4.077%        |
| 10        | 10.581      | 1285          | 1291        | 1303         | rBV      | 414479         | 767238        | 22.50%          | 2.163%        |
| 11        | 13.716      | 1817          | 1824        | 1828         | rBV      | 967191         | 1414727       | 41.49%          | 3.988%        |
| 12        | 13.763      | 1828          | 1832        | 1838         | rVB      | 416754         | 588728        | 17.26%          | 1.660%        |
| 13        | 13.992      | 1864          | 1871        | 1879         | rBV      | 1169028        | 1748177       | 51.26%          | 4.928%        |
| 14        | 14.298      | 1917          | 1923        | 1932         | rVB2     | 1260134        | 1967510       | 57.69%          | 5.546%        |
| 15        | 14.522      | 1955          | 1961        | 1970         | rBV      | 297285         | 594122        | 17.42%          | 1.675%        |
| 16        | 15.298      | 2087          | 2093        | 2100         | rBV      | 1533065        | 2186839       | 64.13%          | 6.164%        |
| 17        | 15.428      | 2109          | 2115        | 2130         | rBV      | 397925         | 580279        | 17.02%          | 1.636%        |
| 18        | 15.687      | 2154          | 2159        | 2168         | rVB      | 110583         | 161821        | 4.75%           | 0.456%        |
| 19        | 16.028      | 2213          | 2217        | 2221         | rBV3     | 28513          | 41008         | 1.20%           | 0.116%        |
| 20        | 16.822      | 2347          | 2352        | 2358         | rBV4     | 30844          | 48766         | 1.43%           | 0.137%        |
| 21        | 16.957      | 2371          | 2375        | 2380         | rBV5     | 21373          | 35082         | 1.03%           | 0.099%        |
| 22        | 17.051      | 2385          | 2391        | 2401         | rVB2     | 1711212        | 2452196       | 71.91%          | 6.912%        |
| 23        | 17.145      | 2401          | 2407        | 2414         | rBV2     | 1672576        | 2431418       | 71.30%          | 6.854%        |
| 24        | 17.957      | 2540          | 2545        | 2555         | rBV      | 153779         | 273715        | 8.03%           | 0.772%        |
| 25        | 18.251      | 2592          | 2595        | 2600         | rBV3     | 26901          | 34480         | 1.01%           | 0.097%        |
| 26        | 19.239      | 2760          | 2763        | 2767         | rBV5     | 33999          | 49426         | 1.45%           | 0.139%        |
| 27        | 19.345      | 2777          | 2781        | 2785         | rBV2     | 81619          | 100656        | 2.95%           | 0.284%        |
| 28        | 19.445      | 2793          | 2798        | 2806         | rBV      | 2078694        | 2929372       | 85.90%          | 8.257%        |
| 29        | 21.169      | 3089          | 3091        | 3095         | rVB      | 178074         | 175444        | 5.14%           | 0.495%        |
| 30        | 21.245      | 3100          | 3104        | 3112         | rVV      | 2321511        | 3066902       | 89.93%          | 8.645%        |
| 31        | 23.327      | 3452          | 3458        | 3472         | rVV      | 1726290        | 3410204       | 100.00%         | 9.613%        |
| 32        | 23.468      | 3476          | 3482        | 3489         | rVB      | 1665741        | 3141520       | 92.12%          | 8.855%        |

## LSC Area Percent Report

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Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

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

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Title : SVOA CALIBRATION

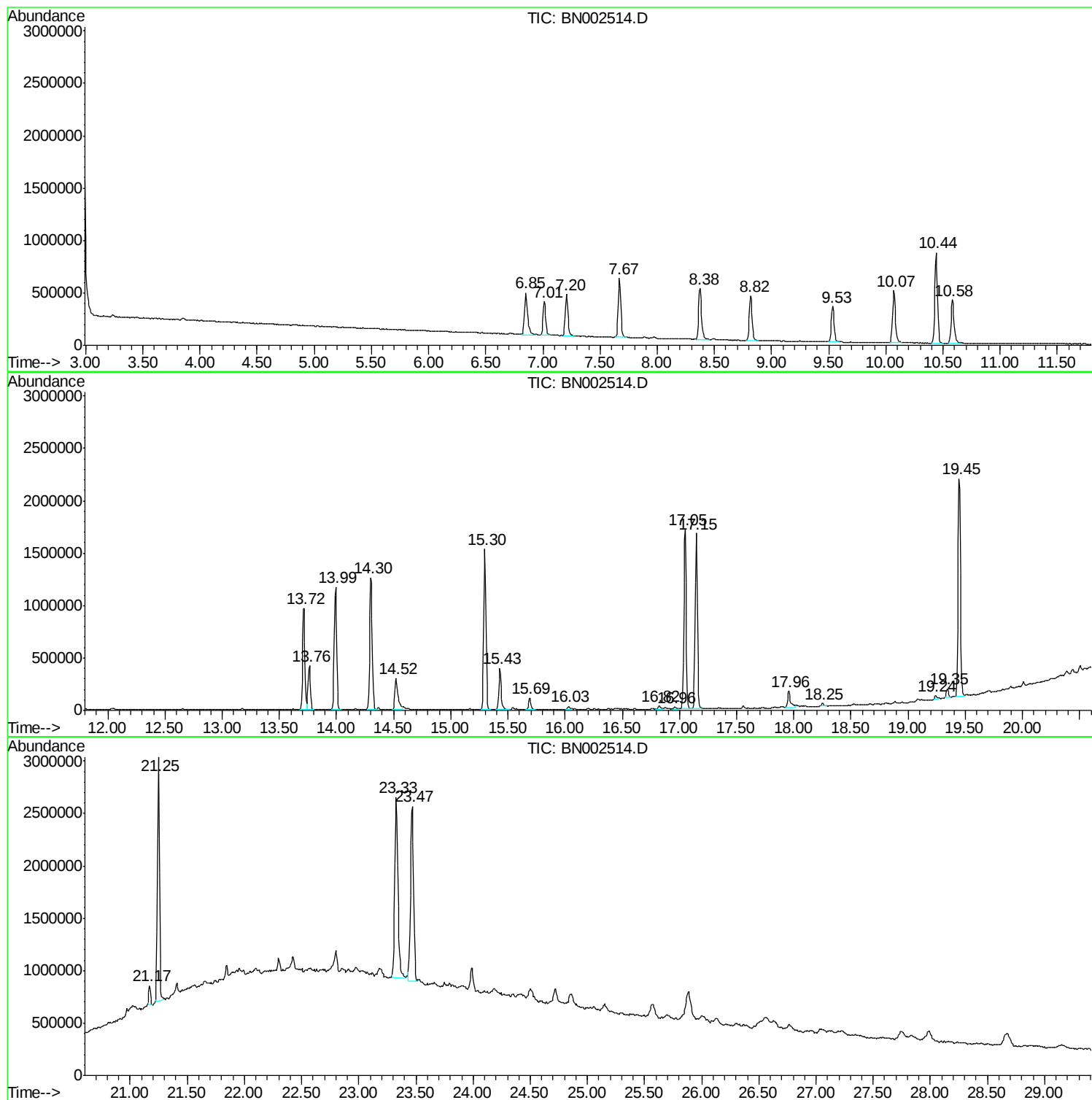
Sum of corrected areas: 35475487

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
Quant Title : SVOA CALIBRATION

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



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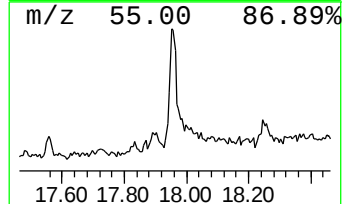
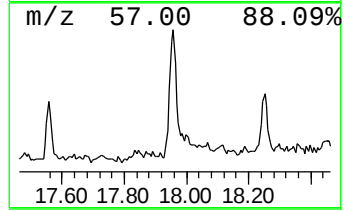
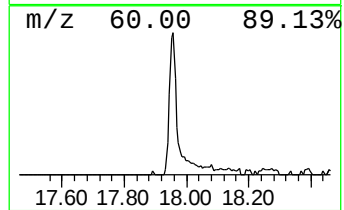
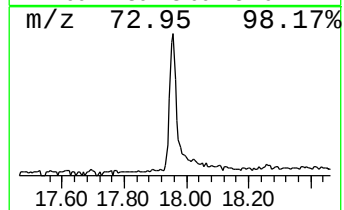
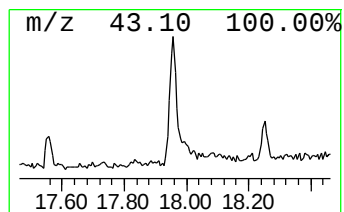
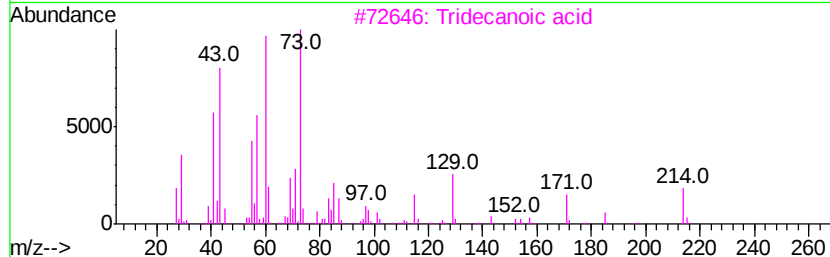
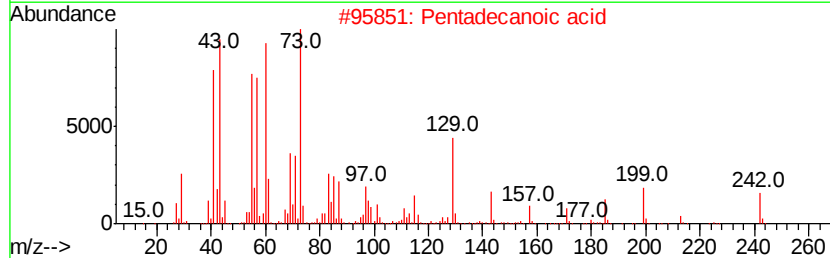
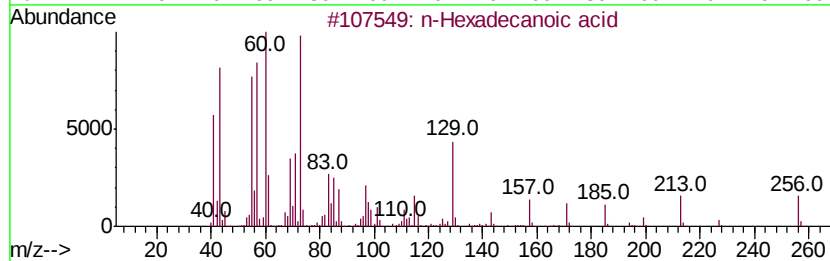
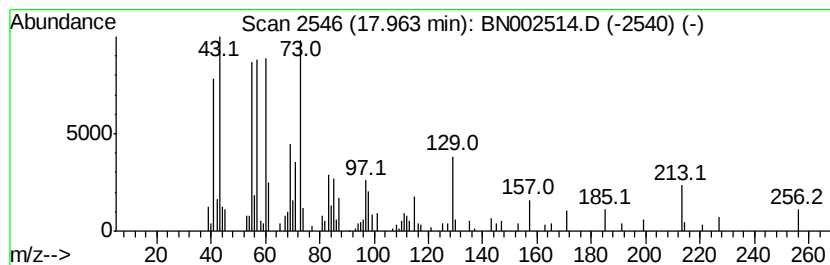
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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------|--------|------------------|-------------|------|
| 17.96     | 2.23 ng/ul          | 273715 | Phenanthrene-d10 | 17.05       |      |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 99   |
| 2         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 90   |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 90   |
| 4         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 87   |
| 5         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 83   |



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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid | 17.96 | 2.2     | ng/ul | 273715   | 4                     | 17.05 | 2452200 | 20.0 |