

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM062617\  
 Data File : BM010766.D  
 Acq On : 27 Jun 2017 08:41  
 Operator : SJ/JU  
 Sample : I3756-11  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AE2

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-BM062017.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         | 6.640       | 633           | 638         | 649          | rBB      | 206507         | 325227        | 17.32%          | 1.644%        |
| 2         | 6.810       | 661           | 667         | 674          | rVB      | 147487         | 219138        | 11.67%          | 1.108%        |
| 3         | 6.993       | 693           | 698         | 704          | rBV      | 212204         | 320390        | 17.06%          | 1.619%        |
| 4         | 7.457       | 770           | 777         | 784          | rBB      | 293237         | 432917        | 23.05%          | 2.188%        |
| 5         | 8.163       | 891           | 897         | 902          | rBV      | 275261         | 429647        | 22.88%          | 2.172%        |
| 6         | 8.216       | 902           | 906         | 913          | rVB2     | 46533          | 72740         | 3.87%           | 0.368%        |
| 7         | 8.598       | 963           | 971         | 979          | rBB      | 223113         | 345572        | 18.40%          | 1.747%        |
| 8         | 9.316       | 1086          | 1093        | 1099         | rBB      | 198417         | 312344        | 16.63%          | 1.579%        |
| 9         | 9.845       | 1176          | 1183        | 1190         | rBB      | 342475         | 524880        | 27.95%          | 2.653%        |
| 10        | 10.216      | 1239          | 1246        | 1254         | rBB      | 431700         | 693133        | 36.91%          | 3.503%        |
| 11        | 10.363      | 1264          | 1271        | 1278         | rBV      | 268738         | 434838        | 23.15%          | 2.198%        |
| 12        | 13.527      | 1803          | 1809        | 1814         | rBV      | 661066         | 897429        | 47.79%          | 4.536%        |
| 13        | 13.575      | 1814          | 1817        | 1823         | rVB      | 166860         | 210500        | 11.21%          | 1.064%        |
| 14        | 13.792      | 1847          | 1854        | 1862         | rBV      | 667674         | 956707        | 50.94%          | 4.836%        |
| 15        | 14.110      | 1902          | 1908        | 1916         | rVB2     | 723795         | 1049304       | 55.87%          | 5.304%        |
| 16        | 14.322      | 1937          | 1944        | 1950         | rBV      | 259987         | 372767        | 19.85%          | 1.884%        |
| 17        | 14.874      | 2031          | 2038        | 2042         | rVB2     | 13843          | 18793         | 1.00%           | 0.095%        |
| 18        | 15.110      | 2072          | 2078        | 2084         | rBV      | 910904         | 1249653       | 66.54%          | 6.316%        |
| 19        | 15.233      | 2093          | 2099        | 2106         | rBV2     | 287519         | 365059        | 19.44%          | 1.845%        |
| 20        | 15.857      | 2201          | 2205        | 2210         | rBV2     | 16520          | 22037         | 1.17%           | 0.111%        |
| 21        | 16.863      | 2369          | 2376        | 2381         | rBV      | 1056204        | 1433384       | 76.33%          | 7.245%        |
| 22        | 16.904      | 2381          | 2383        | 2387         | rVB      | 65817          | 70785         | 3.77%           | 0.358%        |
| 23        | 16.963      | 2387          | 2393        | 2398         | rBV      | 1077529        | 1459360       | 77.71%          | 7.376%        |
| 24        | 17.268      | 2440          | 2445        | 2450         | rVB2     | 20348          | 27382         | 1.46%           | 0.138%        |
| 25        | 17.786      | 2528          | 2533        | 2538         | rBV      | 162866         | 208768        | 11.12%          | 1.055%        |
| 26        | 18.933      | 2724          | 2728        | 2735         | rVB      | 105520         | 131528        | 7.00%           | 0.665%        |
| 27        | 19.080      | 2749          | 2753        | 2760         | rBV2     | 57433          | 76190         | 4.06%           | 0.385%        |
| 28        | 19.157      | 2760          | 2766        | 2773         | rBV2     | 13527          | 19082         | 1.02%           | 0.096%        |
| 29        | 19.274      | 2780          | 2786        | 2794         | rVB      | 1316762        | 1877987       | 100.00%         | 9.492%        |
| 30        | 19.909      | 2889          | 2894        | 2896         | rBV3     | 13474          | 21662         | 1.15%           | 0.109%        |
| 31        | 20.286      | 2955          | 2958        | 2964         | rBV6     | 20419          | 34361         | 1.83%           | 0.174%        |
| 32        | 20.715      | 3029          | 3031        | 3036         | rVB4     | 14681          | 20815         | 1.11%           | 0.105%        |
| 33        | 20.815      | 3042          | 3048        | 3052         | rBV2     | 176297         | 202205        | 10.77%          | 1.022%        |
| 34        | 21.080      | 3087          | 3093        | 3097         | rBV      | 1483373        | 1809138       | 96.33%          | 9.144%        |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM062617\  
Data File : BM010766.D  
Acq On : 27 Jun 2017 08:41  
Operator : SJ/JU  
Sample : I3756-11  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2

## 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-BM062017.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 21.115 | 3097 | 3099 | 3105 | rVB  | 47835  | 59803   | 3.18%  | 0.302% |
| 36 | 21.692 | 3195 | 3197 | 3201 | rVB5 | 35806  | 41938   | 2.23%  | 0.212% |
| 37 | 23.086 | 3427 | 3434 | 3439 | rBV2 | 844754 | 1466485 | 78.09% | 7.412% |
| 38 | 23.215 | 3449 | 3456 | 3465 | rBV  | 762019 | 1412187 | 75.20% | 7.138% |
| 39 | 24.427 | 3659 | 3662 | 3671 | rVB9 | 68273  | 158902  | 8.46%  | 0.803% |

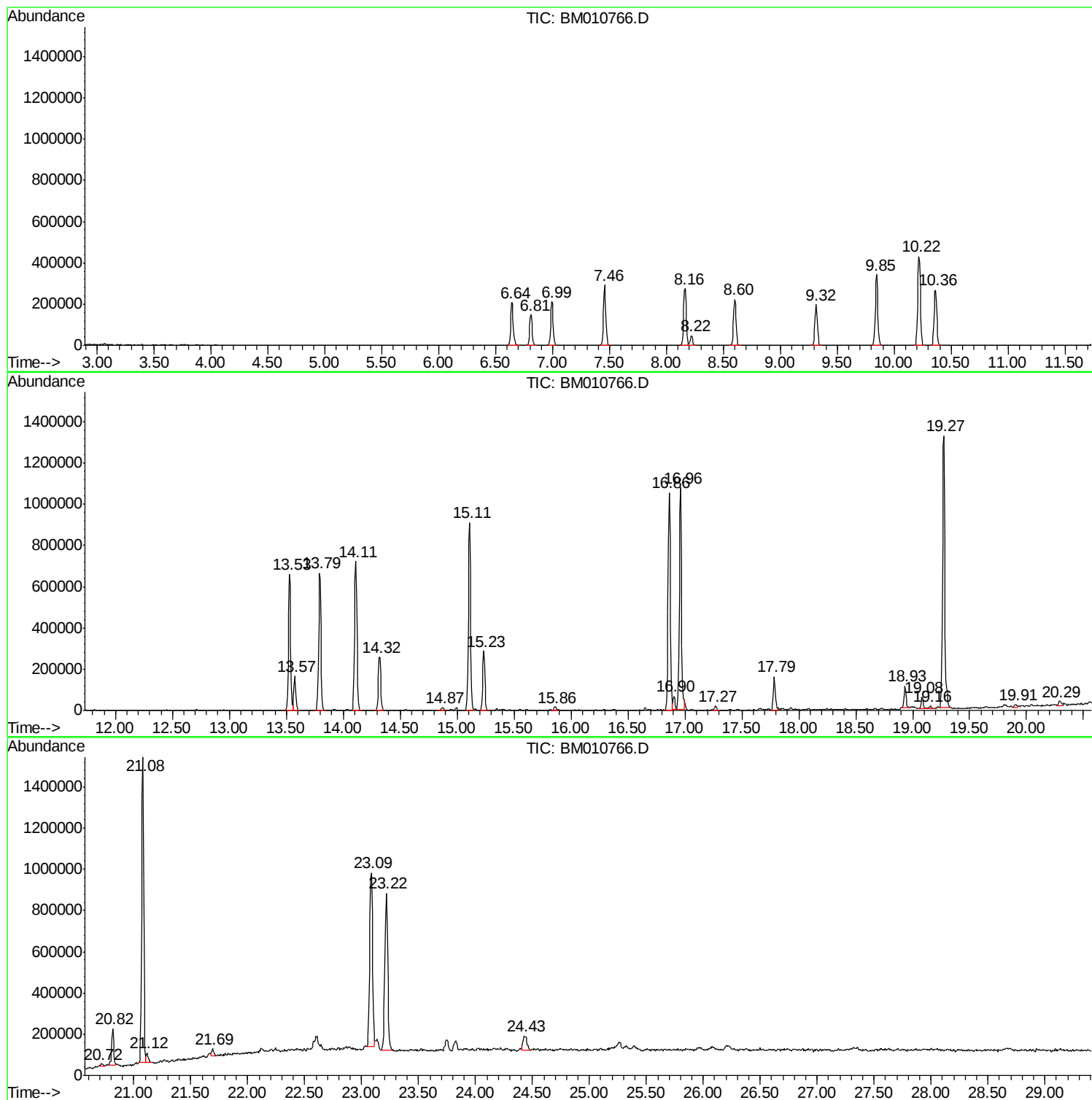
Sum of corrected areas: 19785037

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA\_M\DATA\BM062617\  
Data File : BM010766.D  
Acq On : 27 Jun 2017 08:41  
Operator : SJ/JU  
Sample : I3756-11  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M  
Quant Title : SVOA CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA\_M\DATA\BM062617\  
Data File : BM010766.D  
Acq On : 27 Jun 2017 08:41  
Operator : SJ/JU  
Sample : I3756-11  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

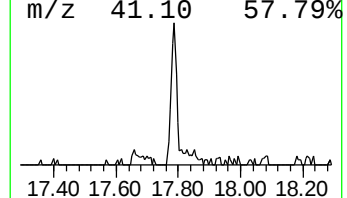
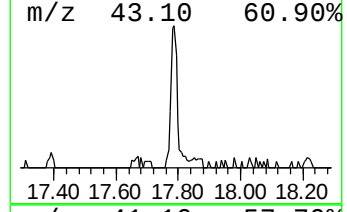
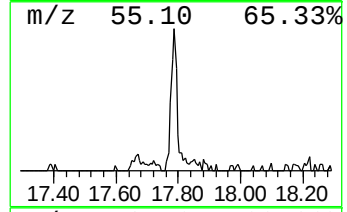
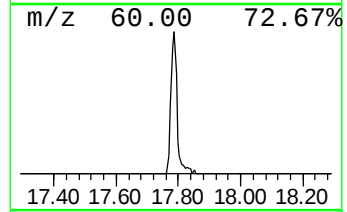
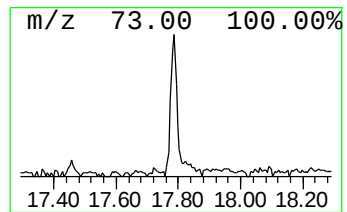
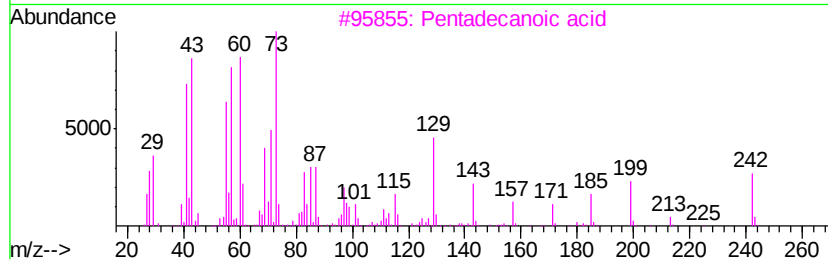
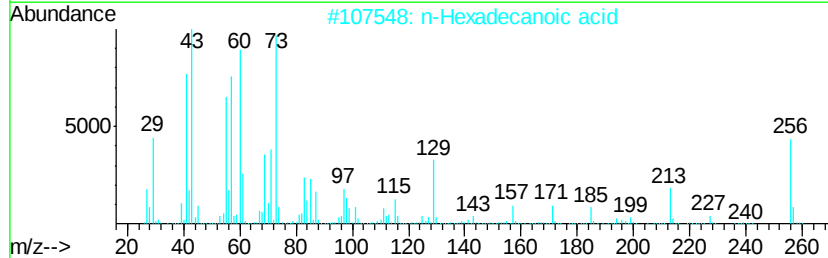
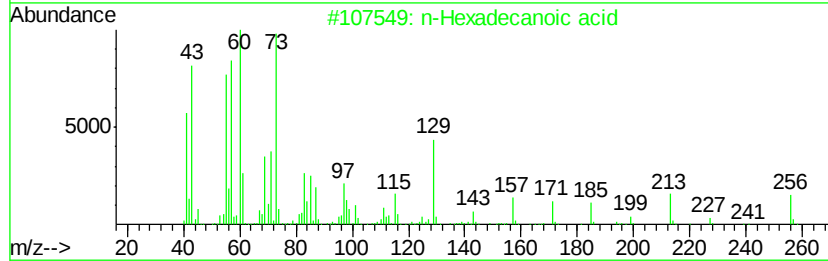
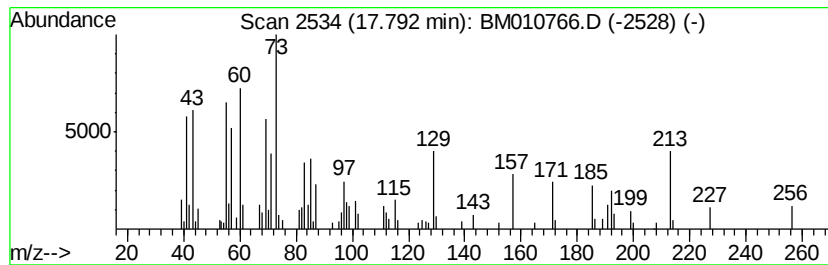
Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|---------------------|--------------|------------------|-------------|------|------|
| 17.79   | 2.91 ng/ul          | 208768       | Phenanthrene-d10 | 16.86       |      |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 98   |      |
| 2       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 70   |      |
| 3       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 52   |      |
| 4       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 52   |      |
| 5       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 49   |      |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM062617\  
Data File : BM010766.D  
Acq On : 27 Jun 2017 08:41  
Operator : SJ/JU  
Sample : I3756-11  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M  
Quant Title : SVOA CALIBRATION

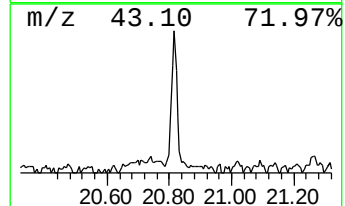
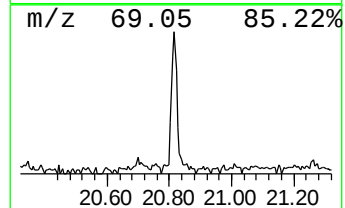
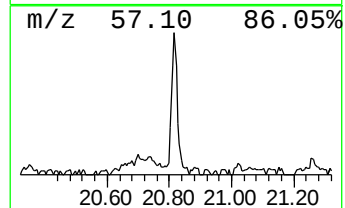
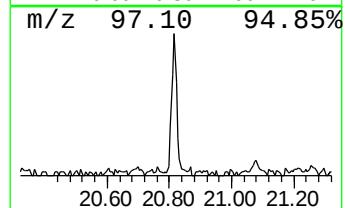
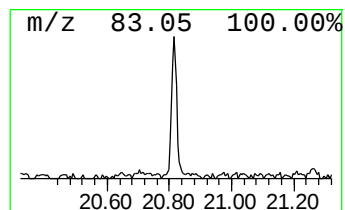
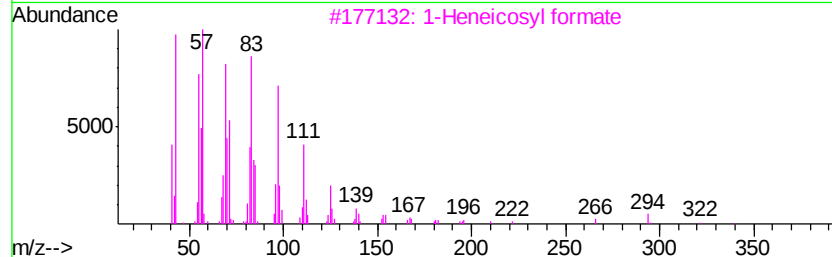
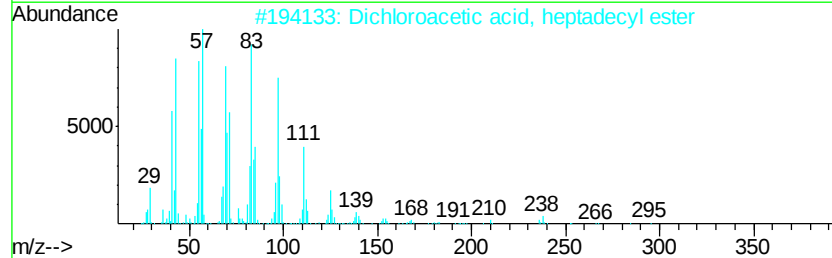
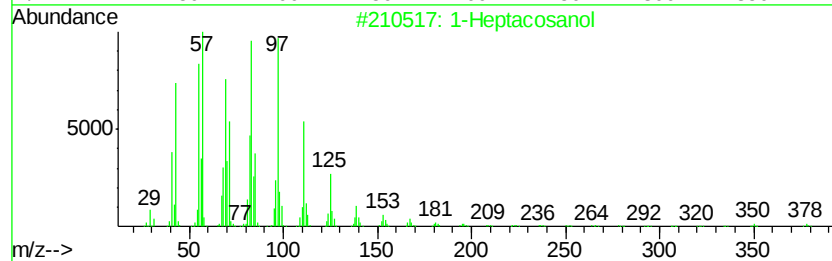
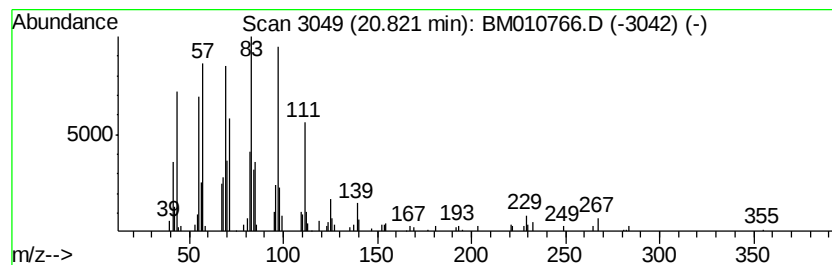
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 1-Heptacosanol Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.82 | 2.24 ng/ul | 202205 | Chrysene-d12     | 21.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | 1-Heptacosanol                      | 396 | C27H56O     | 002004-39-9  | 93   |
| 2    |    | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 91   |
| 3    |    | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7  | 91   |
| 4    |    | 1-Heneicosanol                      | 312 | C21H44O     | 015594-90-8  | 90   |
| 5    |    | 1-Hexadecanol                       | 242 | C16H34O     | 036653-82-4  | 90   |





Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM062617\  
Data File : BM010766.D  
Acq On : 27 Jun 2017 08:41  
Operator : SJ/JU  
Sample : I3756-11  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.79 | 2.9     | ng/ul | 208768   | 4                     | 16.86 | 1433380 | 20.0 |
| 1-Heptacosanol       | 20.82 | 2.2     | ng/ul | 202205   | 5                     | 21.08 | 1809140 | 20.0 |
| (DEL) Alkane: Str... | 24.43 | 2.3     | ng/ul | 158902   | 6                     | 23.22 | 1412190 | 20.0 |