

Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
 Data File : BM008925.D  
 Acq On : 30 Jan 2017 23:07  
 Operator : SJ/MA  
 Sample : I1319-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDP30

## 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\SOM02.2-EPA-BM013017.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         | 7.069       | 756           | 762         | 773          | rVB2     | 520282         | 977362        | 25.42%          | 2.928%        |
| 2         | 7.245       | 785           | 792         | 799          | rBV      | 298152         | 466705        | 12.14%          | 1.398%        |
| 3         | 7.445       | 819           | 826         | 835          | rBV      | 473142         | 765703        | 19.91%          | 2.294%        |
| 4         | 7.916       | 899           | 906         | 913          | rBV      | 291152         | 459939        | 11.96%          | 1.378%        |
| 5         | 8.610       | 1017          | 1024        | 1033         | rVB      | 532622         | 855123        | 22.24%          | 2.562%        |
| 6         | 9.081       | 1095          | 1104        | 1112         | rBV      | 498324         | 817215        | 21.25%          | 2.448%        |
| 7         | 9.804       | 1218          | 1227        | 1235         | rBV      | 435375         | 730553        | 19.00%          | 2.188%        |
| 8         | 10.333      | 1311          | 1317        | 1326         | rVB2     | 582162         | 942325        | 24.51%          | 2.823%        |
| 9         | 10.722      | 1375          | 1383        | 1390         | rBV      | 346368         | 573325        | 14.91%          | 1.717%        |
| 10        | 10.857      | 1399          | 1406        | 1416         | rVB      | 482151         | 807121        | 20.99%          | 2.418%        |
| 11        | 13.963      | 1928          | 1934        | 1938         | rBV      | 950334         | 1315273       | 34.21%          | 3.940%        |
| 12        | 14.004      | 1938          | 1941        | 1948         | rVB      | 175072         | 242371        | 6.30%           | 0.726%        |
| 13        | 14.251      | 1976          | 1983        | 1990         | rBV      | 931505         | 1308650       | 34.03%          | 3.920%        |
| 14        | 14.557      | 2028          | 2035        | 2042         | rBV      | 495136         | 712050        | 18.52%          | 2.133%        |
| 15        | 14.739      | 2059          | 2066        | 2081         | rBV      | 637184         | 923653        | 24.02%          | 2.767%        |
| 16        | 15.386      | 2171          | 2176        | 2181         | rVB4     | 333331         | 44814         | 1.17%           | 0.134%        |
| 17        | 15.551      | 2197          | 2204        | 2212         | rBV      | 1113814        | 1625443       | 42.27%          | 4.869%        |
| 18        | 15.663      | 2216          | 2223        | 2231         | rBV      | 536107         | 750958        | 19.53%          | 2.250%        |
| 19        | 15.786      | 2238          | 2244        | 2249         | rBV4     | 23173          | 38957         | 1.01%           | 0.117%        |
| 20        | 16.245      | 2317          | 2322        | 2331         | rBV3     | 46273          | 82648         | 2.15%           | 0.248%        |
| 21        | 17.039      | 2449          | 2457        | 2461         | rBV      | 40837          | 51361         | 1.34%           | 0.154%        |
| 22        | 17.304      | 2494          | 2502        | 2510         | rBV      | 677644         | 942696        | 24.52%          | 2.824%        |
| 23        | 17.404      | 2512          | 2519        | 2525         | rBV      | 1307339        | 1889268       | 49.14%          | 5.659%        |
| 24        | 18.174      | 2644          | 2650        | 2661         | rBV      | 266613         | 372656        | 9.69%           | 1.116%        |
| 25        | 19.327      | 2838          | 2846        | 2850         | rBV7     | 32656          | 57448         | 1.49%           | 0.172%        |
| 26        | 19.445      | 2862          | 2866        | 2873         | rBV      | 147890         | 196014        | 5.10%           | 0.587%        |
| 27        | 19.598      | 2887          | 2892        | 2898         | rVB      | 3569054        | 3845030       | 100.00%         | 11.518%       |
| 28        | 19.692      | 2902          | 2908        | 2915         | rBV      | 1672764        | 2323407       | 60.43%          | 6.960%        |
| 29        | 20.639      | 3065          | 3069        | 3075         | rVB      | 3586464        | 3593514       | 93.46%          | 10.765%       |
| 30        | 21.162      | 3154          | 3158        | 3162         | rBV2     | 147348         | 167418        | 4.35%           | 0.502%        |
| 31        | 21.468      | 3205          | 3210        | 3216         | rBV      | 1011961        | 1341548       | 34.89%          | 4.019%        |
| 32        | 21.692      | 3245          | 3248        | 3252         | rVB4     | 78591          | 89647         | 2.33%           | 0.269%        |
| 33        | 22.539      | 3388          | 3392        | 3401         | rVB4     | 174387         | 268837        | 6.99%           | 0.805%        |
| 34        | 23.680      | 3578          | 3586        | 3595         | rBV      | 1319737        | 2568403       | 66.80%          | 7.694%        |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
Data File : BM008925.D  
Acq On : 30 Jan 2017 23:07  
Operator : SJ/MA  
Sample : I1319-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDP30

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

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM013017.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 23.827 | 3604 | 3611 | 3618 | rBV2 | 632431 | 1234931 | 32.12% | 3.699% |
|----|--------|------|------|------|------|--------|---------|--------|--------|

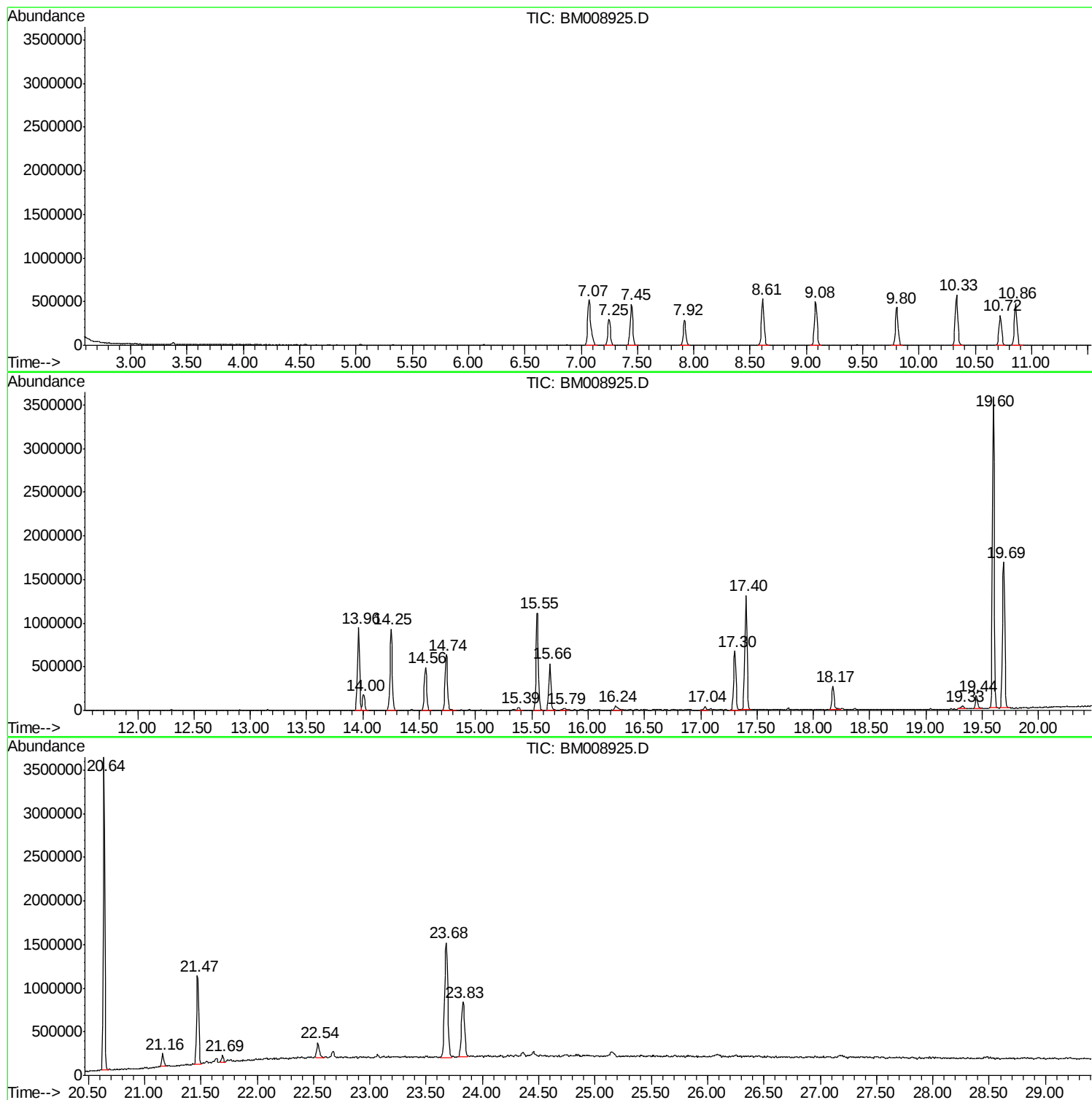
Sum of corrected areas: 33382366

Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
Data File : BM008925.D  
Acq On : 30 Jan 2017 23:07  
Operator : SJ/MA  
Sample : I1319-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDP30

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
Data File : BM008925.D  
Acq On : 30 Jan 2017 23:07  
Operator : SJ/MA  
Sample : I1319-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDP30

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

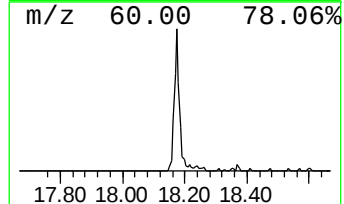
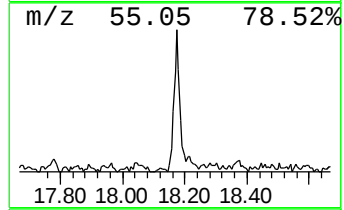
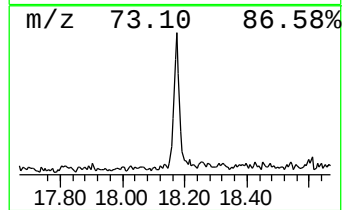
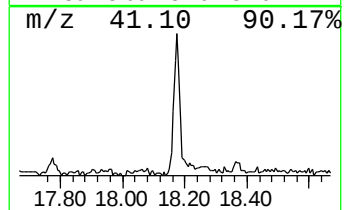
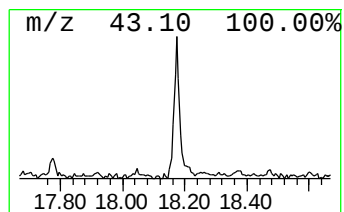
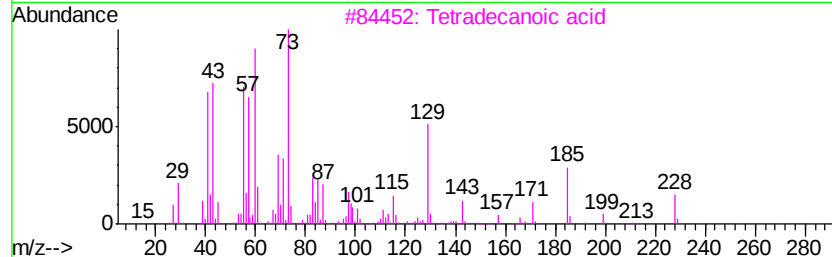
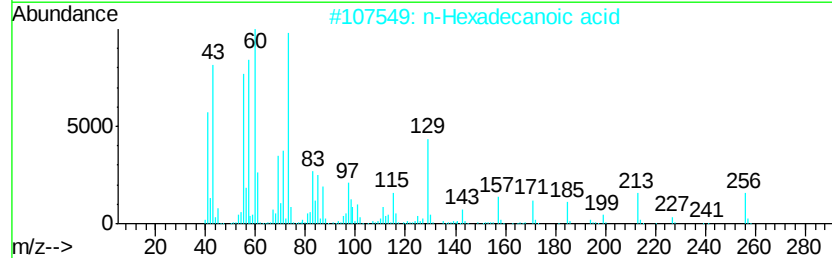
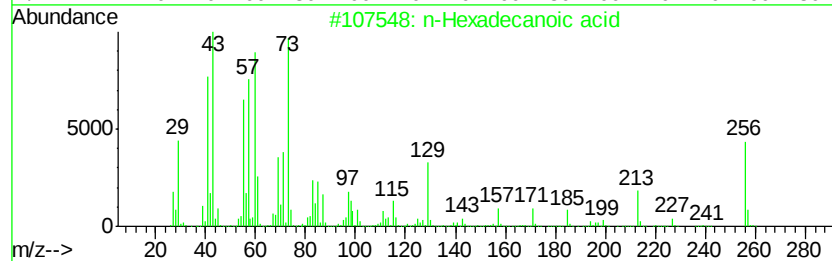
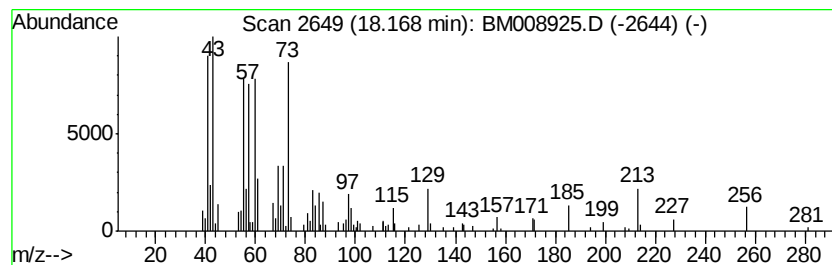
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.17 | 7.91 ng/ul | 372656 | Phenanthrene-d10 | 17.30 |

| 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 | 91   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 72   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 72   |
| 5    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 72   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
Data File : BM008925.D  
Acq On : 30 Jan 2017 23:07  
Operator : SJ/MA  
Sample : I1319-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDP30

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

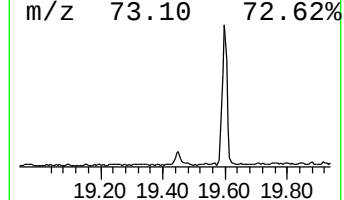
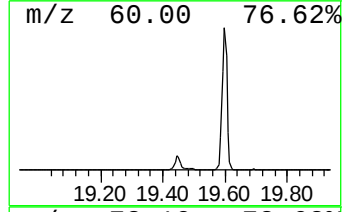
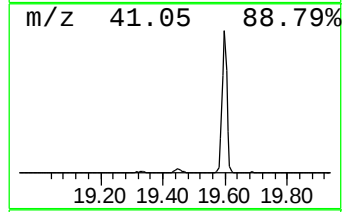
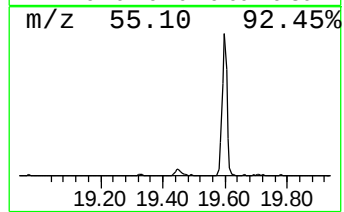
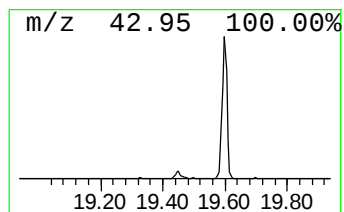
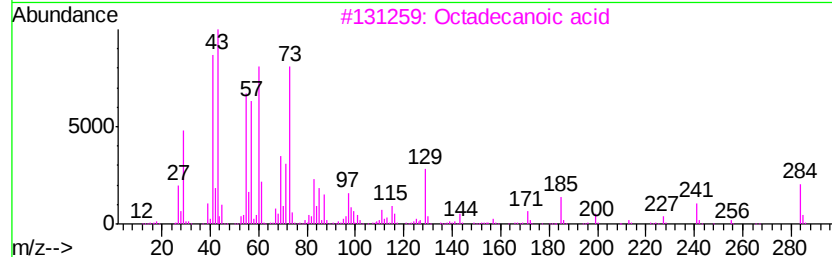
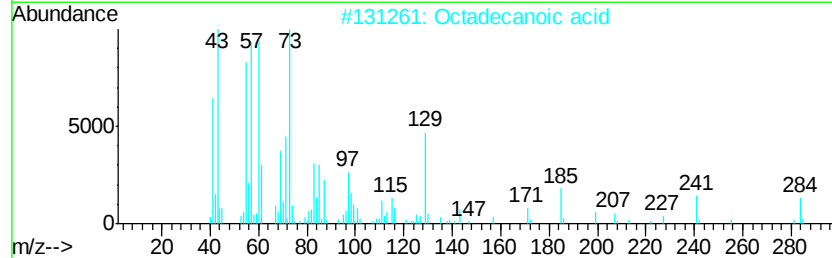
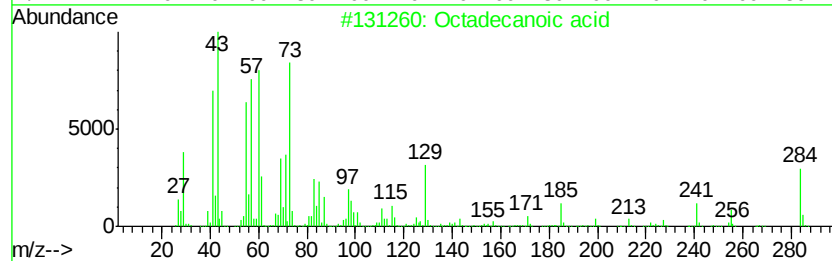
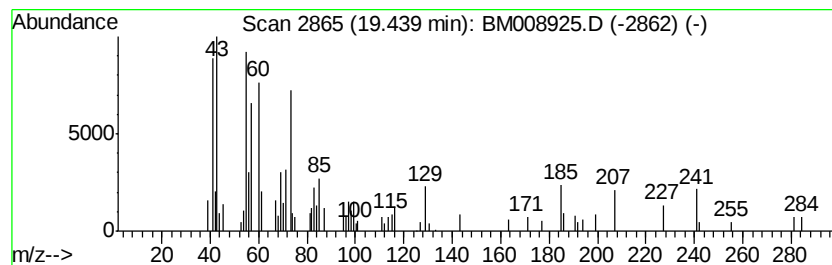
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Octadecanoic acid Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.44 | 2.92 ng/ul | 196014 | Chrysene-d12     | 21.47 |

| Hit# | of | Tentative ID      | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98   |
| 2    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 97   |
| 3    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 97   |
| 4    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 96   |
| 5    |    | Undecanoic acid   | 186 | C11H22O2 | 000112-37-8 | 78   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
Data File : BM008925.D  
Acq On : 30 Jan 2017 23:07  
Operator : SJ/MA  
Sample : I1319-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDP30

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

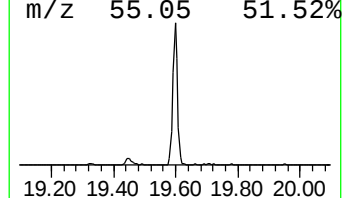
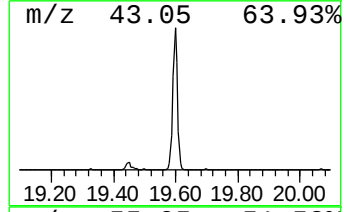
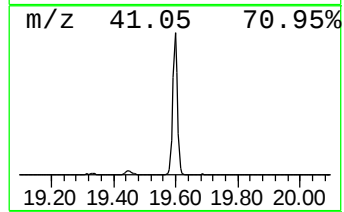
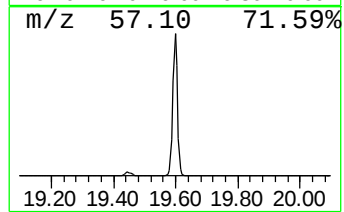
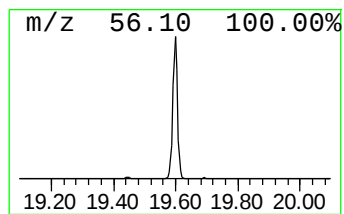
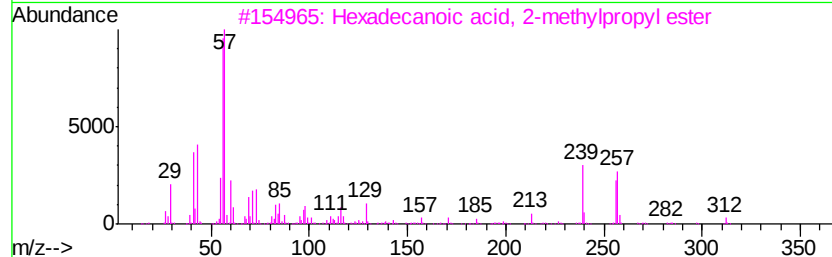
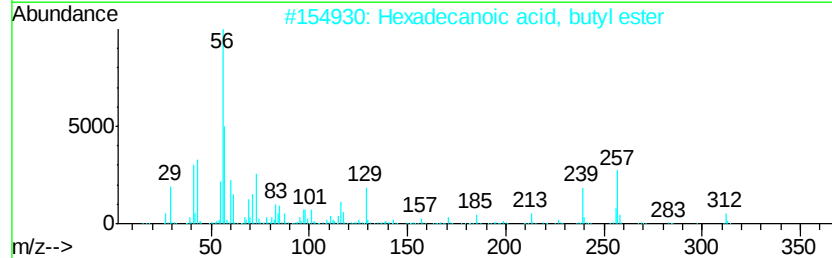
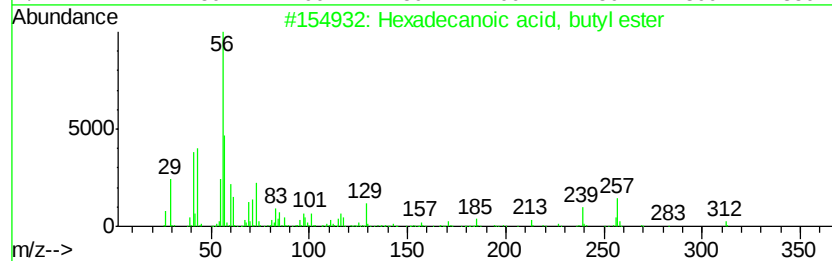
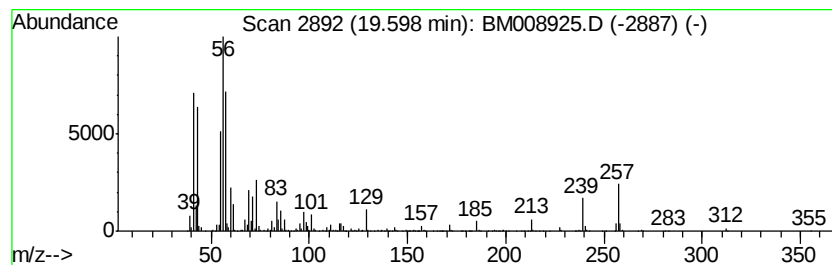
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Hexadecanoic acid, butyl ester Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 19.60 | 57.32 ng/ul | 3845030 | Chrysene-d12     | 21.47 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, butyl ester       | 312 | C20H40O2 | 000111-06-8 | 91   |
| 2    |    | Hexadecanoic acid, butyl ester       | 312 | C20H40O2 | 000111-06-8 | 90   |
| 3    |    | Hexadecanoic acid, 2-methylpropyl... | 312 | C20H40O2 | 000110-34-9 | 55   |
| 4    |    | Eicosanoic acid                      | 312 | C20H40O2 | 000506-30-9 | 42   |
| 5    |    | Hexadecanoic acid, 1,1-dimethyl...   | 312 | C20H40O2 | 031158-91-5 | 38   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
Data File : BM008925.D  
Acq On : 30 Jan 2017 23:07  
Operator : SJ/MA  
Sample : I1319-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDP30

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

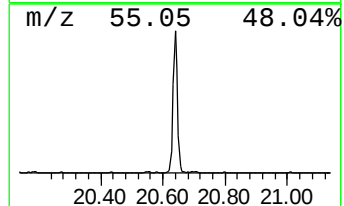
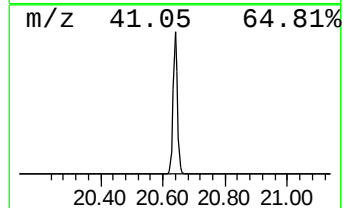
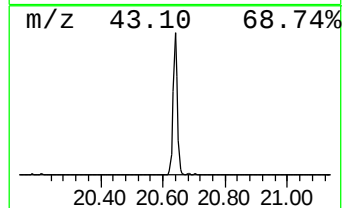
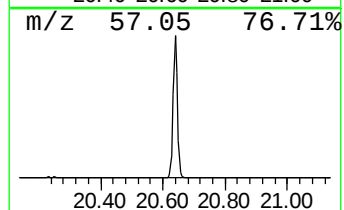
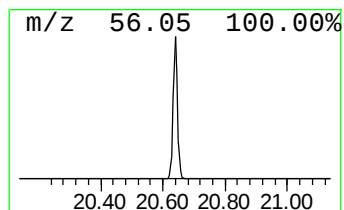
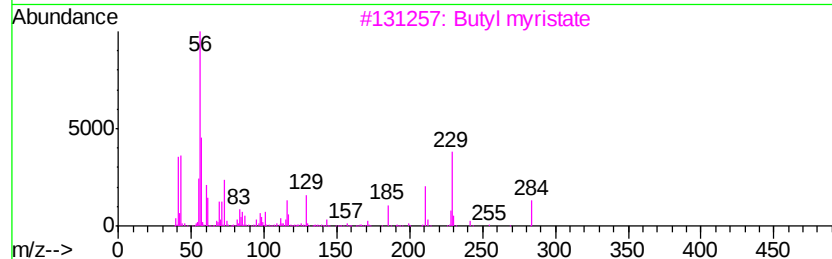
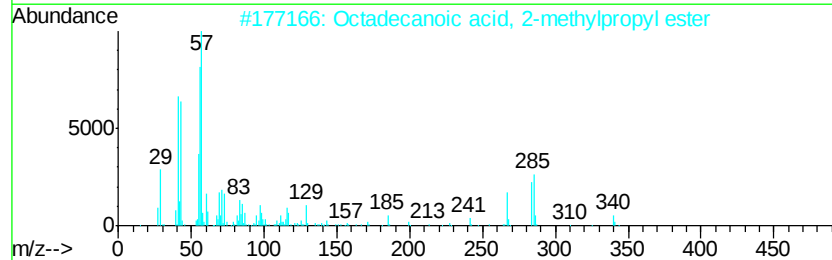
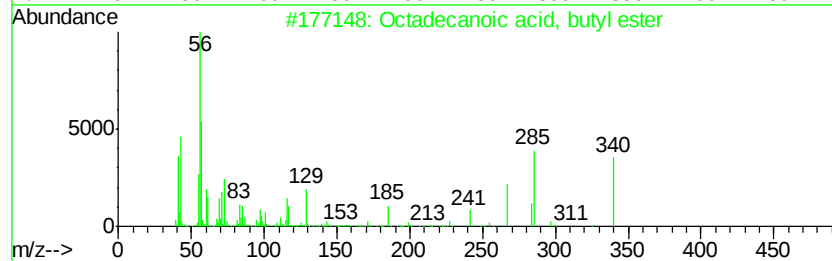
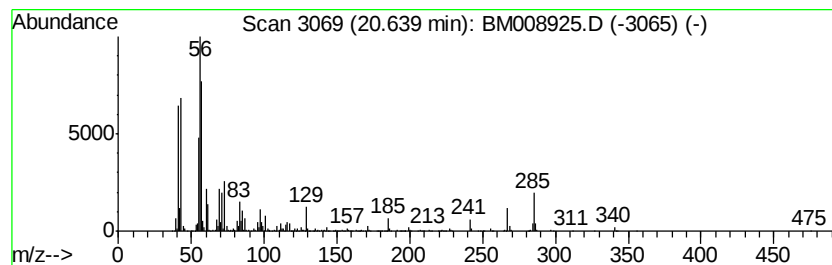
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Octadecanoic acid, butyl ester Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 20.64 | 53.57 ng/ul | 3593510 | Chrysene-d12     | 21.47 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid, butyl ester       | 340 | C22H44O2 | 000123-95-5 | 64   |
| 2    |    | Octadecanoic acid, 2-methylpropyl... | 340 | C22H44O2 | 000646-13-9 | 55   |
| 3    |    | Butyl myristate                      | 284 | C18H36O2 | 000110-36-1 | 42   |
| 4    |    | 2-Isopropyl-3-vinylloxirane          | 112 | C7H12O   | 070777-23-0 | 38   |
| 5    |    | Decane, 2,2,3-trimethyl-             | 184 | C13H28   | 062338-09-4 | 35   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
Data File : BM008925.D  
Acq On : 30 Jan 2017 23:07  
Operator : SJ/MA  
Sample : I1319-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDP30

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

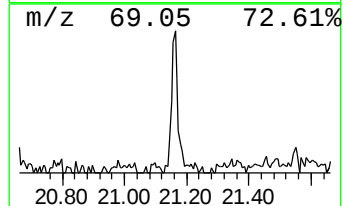
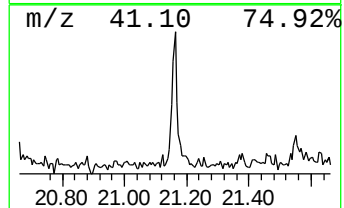
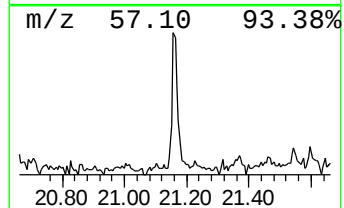
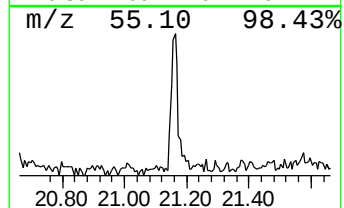
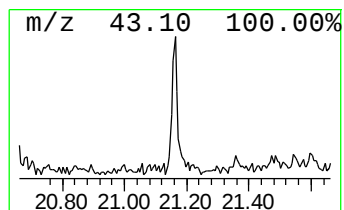
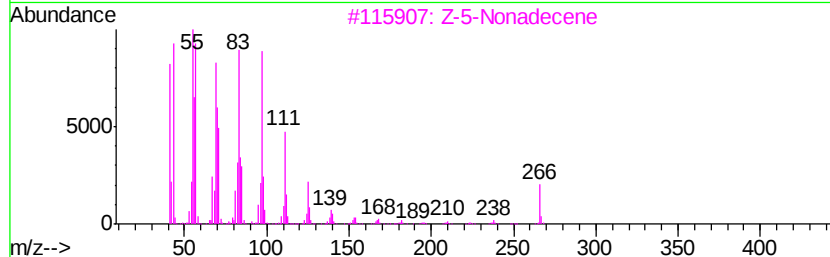
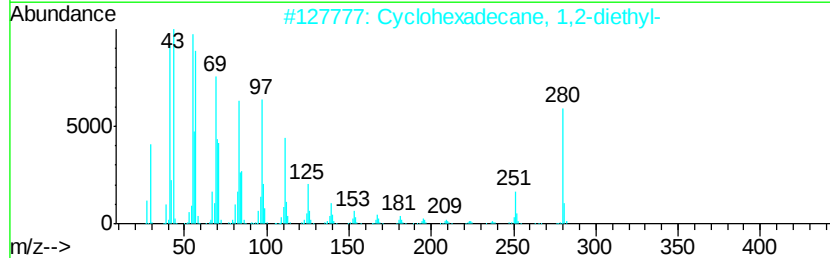
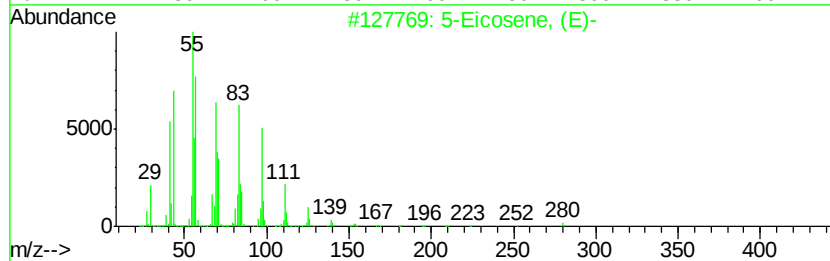
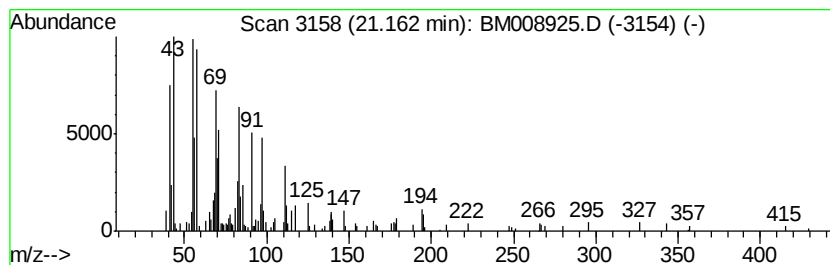
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Cyclic21.16 Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.16 | 2.50 ng/ul | 167418 | Chrysene-d12     | 21.47 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------|-----|---------|--------------|------|
| 1    | 5  | Eicosene, (E)-                | 280 | C20H40  | 074685-30-6  | 95   |
| 2    |    | Cyclohexadecane, 1,2-diethyl- | 280 | C20H40  | 1000155-85-3 | 94   |
| 3    |    | Z-5-Nonadecene                | 266 | C19H38  | 1000131-11-8 | 93   |
| 4    |    | 1-Eicosene                    | 280 | C20H40  | 003452-07-1  | 93   |
| 5    |    | 3-Eicosene, (E)-              | 280 | C20H40  | 074685-33-9  | 91   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
Data File : BM008925.D  
Acq On : 30 Jan 2017 23:07  
Operator : SJ/MA  
Sample : I1319-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDP30

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

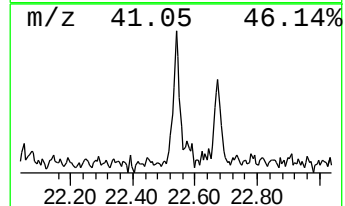
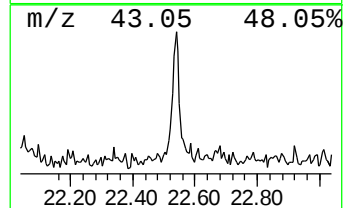
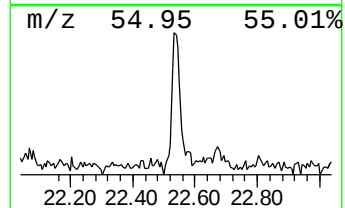
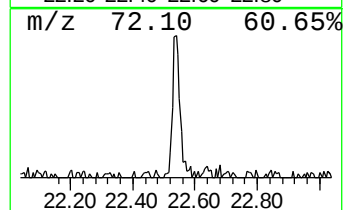
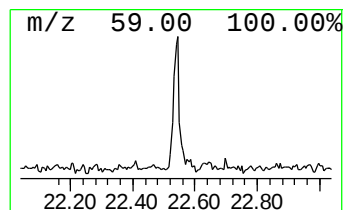
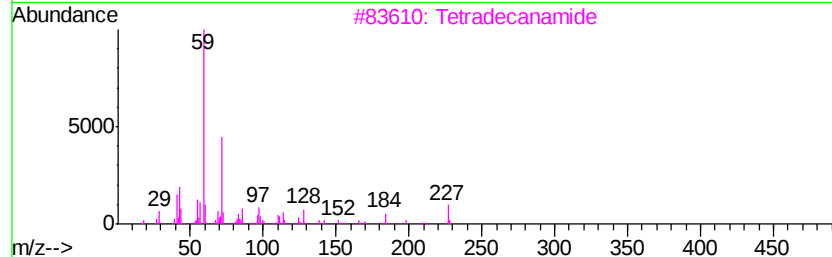
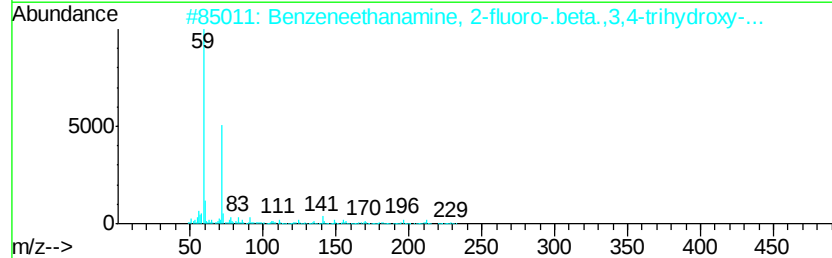
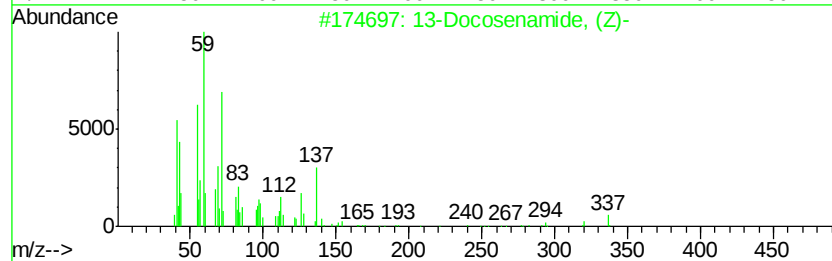
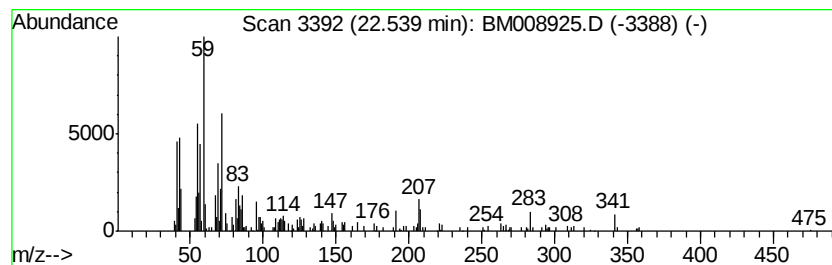
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 13-Docosenamide, (Z)- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.54 | 4.01 ng/ul | 268837 | Chrysene-d12     | 21.47 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 13-Docosenamide, (Z)-               | 337 | C22H43NO   | 000112-84-5 | 50   |
| 2    |    | Benzeneethanamine, 2-fluoro-.bet... | 229 | C11H16FN03 | 061338-98-5 | 50   |
| 3    |    | Tetradecanamide                     | 227 | C14H29NO   | 000638-58-4 | 50   |
| 4    |    | 9-Octadecenamide, (Z)-              | 281 | C18H35NO   | 000301-02-0 | 50   |
| 5    |    | Octadecanamide                      | 283 | C18H37NO   | 000124-26-5 | 47   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM013017\  
Data File : BM008925.D  
Acq On : 30 Jan 2017 23:07  
Operator : SJ/MA  
Sample : I1319-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDP30

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM013017.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  | 18.17 | 7.9     | ng/ul | 372656   | 4                     | 17.30 | 942696  | 20.0 |
| Octadecanoic acid    | 19.44 | 2.9     | ng/ul | 196014   | 5                     | 21.47 | 1341550 | 20.0 |
| Hexadecanoic acid... | 19.60 | 57.3    | ng/ul | 3845030  | 5                     | 21.47 | 1341550 | 20.0 |
| Octadecanoic acid... | 20.64 | 53.6    | ng/ul | 3593510  | 5                     | 21.47 | 1341550 | 20.0 |
| (DEL) Alkane: Cyc... | 21.16 | 2.5     | ng/ul | 167418   | 5                     | 21.47 | 1341550 | 20.0 |
| 13-Docosenamide, ... | 22.54 | 4.0     | ng/ul | 268837   | 5                     | 21.47 | 1341550 | 20.0 |