

Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
 Data File : BM008934.D  
 Acq On : 31 Jan 2017 04:31  
 Operator : SJ/MA  
 Sample : I1467-04  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDMT4

## 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         | 3.375       | 130           | 134         | 142          | rVB2     | 27683          | 39983         | 1.34%           | 0.119%        |
| 2         | 7.069       | 755           | 762         | 773          | rVB      | 528777         | 939621        | 31.52%          | 2.787%        |
| 3         | 7.245       | 782           | 792         | 798          | rBV      | 336687         | 505692        | 16.96%          | 1.500%        |
| 4         | 7.445       | 820           | 826         | 833          | rBV      | 524119         | 806364        | 27.05%          | 2.392%        |
| 5         | 7.916       | 899           | 906         | 913          | rBV2     | 347295         | 561263        | 18.83%          | 1.665%        |
| 6         | 8.610       | 1018          | 1024        | 1033         | rBV2     | 580988         | 922709        | 30.95%          | 2.737%        |
| 7         | 9.081       | 1097          | 1104        | 1111         | rBV      | 555697         | 892477        | 29.94%          | 2.648%        |
| 8         | 9.798       | 1219          | 1226        | 1233         | rBV      | 468435         | 774291        | 25.97%          | 2.297%        |
| 9         | 10.334      | 1310          | 1317        | 1325         | rVB      | 618157         | 1028452       | 34.50%          | 3.051%        |
| 10        | 10.722      | 1375          | 1383        | 1390         | rVB      | 401182         | 686773        | 23.04%          | 2.037%        |
| 11        | 10.857      | 1398          | 1406        | 1416         | rBV2     | 541177         | 910650        | 30.55%          | 2.701%        |
| 12        | 13.957      | 1926          | 1933        | 1938         | rBV      | 1026165        | 1443328       | 48.42%          | 4.282%        |
| 13        | 14.004      | 1938          | 1941        | 1948         | rVB      | 219852         | 285689        | 9.58%           | 0.848%        |
| 14        | 14.251      | 1975          | 1983        | 1991         | rBV      | 1011969        | 1459227       | 48.95%          | 4.329%        |
| 15        | 14.557      | 2028          | 2035        | 2041         | rVB      | 566191         | 854795        | 28.68%          | 2.536%        |
| 16        | 14.739      | 2060          | 2066        | 2075         | rBV      | 694778         | 977685        | 32.80%          | 2.900%        |
| 17        | 15.380      | 2171          | 2175        | 2181         | rBV2     | 44084          | 51890         | 1.74%           | 0.154%        |
| 18        | 15.545      | 2198          | 2203        | 2212         | rVB      | 1303101        | 1837984       | 61.66%          | 5.452%        |
| 19        | 15.657      | 2212          | 2222        | 2231         | rBV      | 602088         | 821745        | 27.57%          | 2.438%        |
| 20        | 15.780      | 2237          | 2243        | 2248         | rVB4     | 26794          | 46014         | 1.54%           | 0.137%        |
| 21        | 16.245      | 2317          | 2322        | 2330         | rBV2     | 54522          | 94392         | 3.17%           | 0.280%        |
| 22        | 17.039      | 2452          | 2457        | 2461         | rVB2     | 42809          | 55472         | 1.86%           | 0.165%        |
| 23        | 17.298      | 2495          | 2501        | 2507         | rBV      | 750750         | 1099772       | 36.89%          | 3.263%        |
| 24        | 17.398      | 2511          | 2518        | 2527         | rBV      | 1542430        | 2156096       | 72.33%          | 6.396%        |
| 25        | 18.168      | 2644          | 2649        | 2658         | rBV      | 231308         | 328367        | 11.02%          | 0.974%        |
| 26        | 19.327      | 2839          | 2846        | 2849         | rBV7     | 26056          | 59870         | 2.01%           | 0.178%        |
| 27        | 19.445      | 2862          | 2866        | 2871         | rBV3     | 133544         | 176727        | 5.93%           | 0.524%        |
| 28        | 19.598      | 2886          | 2892        | 2897         | rBV      | 2793194        | 2980918       | 100.00%         | 8.843%        |
| 29        | 19.686      | 2902          | 2907        | 2916         | rVB      | 1872972        | 2556788       | 85.77%          | 7.585%        |
| 30        | 20.639      | 3064          | 3069        | 3074         | rBV      | 2629657        | 2702503       | 90.66%          | 8.017%        |
| 31        | 21.156      | 3153          | 3157        | 3164         | rBV5     | 154516         | 225212        | 7.56%           | 0.668%        |
| 32        | 21.468      | 3205          | 3210        | 3217         | rVB      | 1186186        | 1489715       | 49.98%          | 4.419%        |
| 33        | 23.674      | 3578          | 3585        | 3593         | rBV2     | 1329731        | 2602742       | 87.31%          | 7.721%        |
| 34        | 23.827      | 3604          | 3611        | 3621         | rVB      | 662648         | 1334131       | 44.76%          | 3.958%        |

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Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDMT4

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

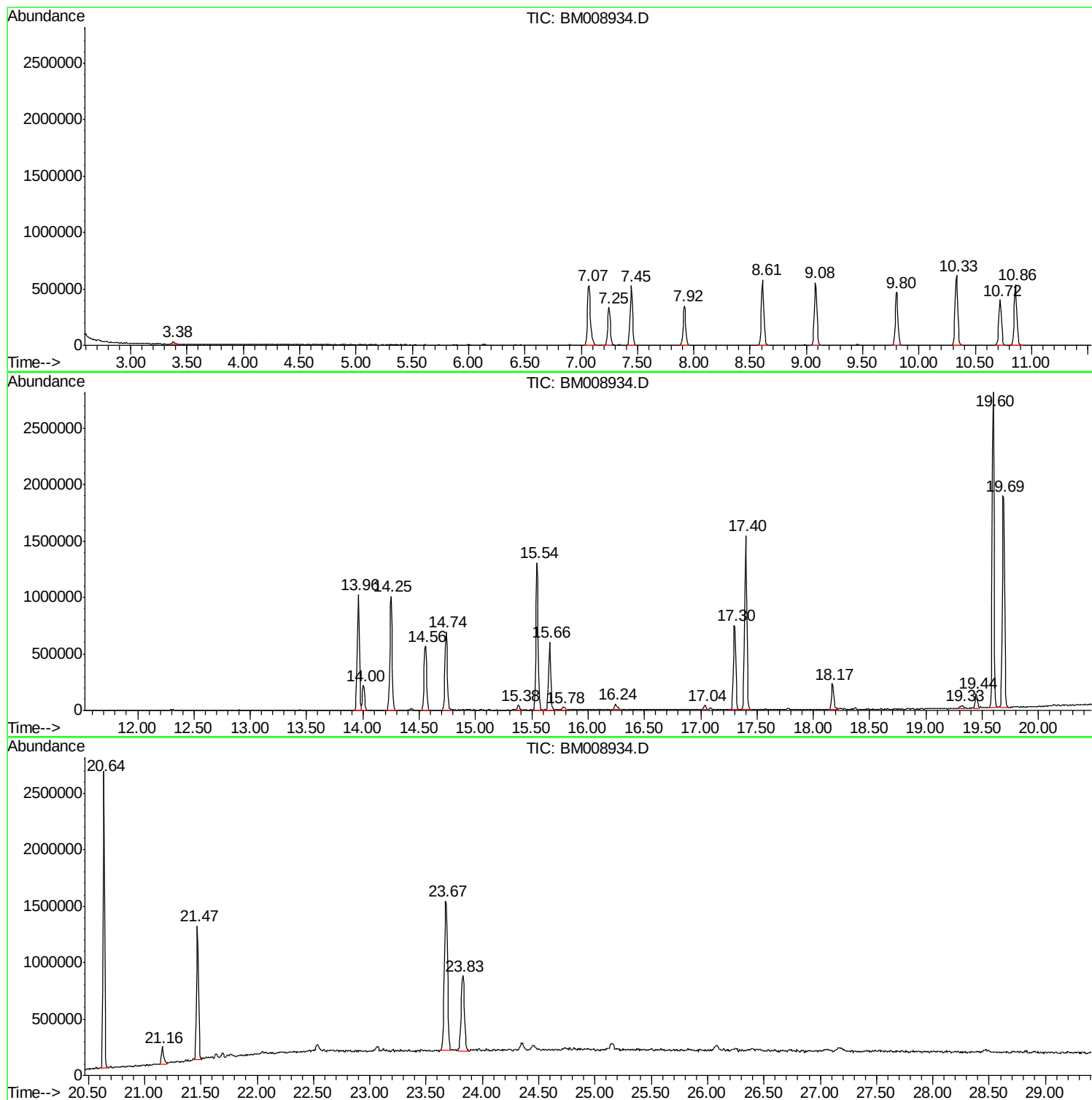
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

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



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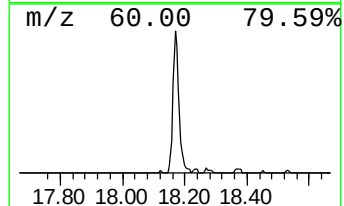
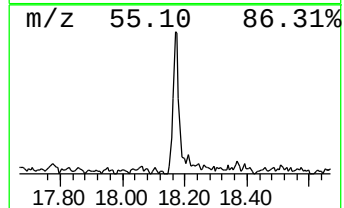
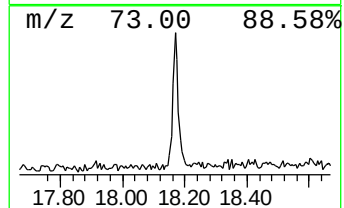
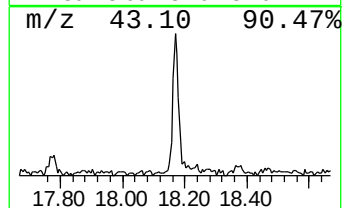
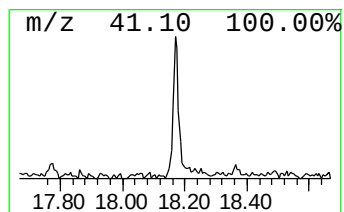
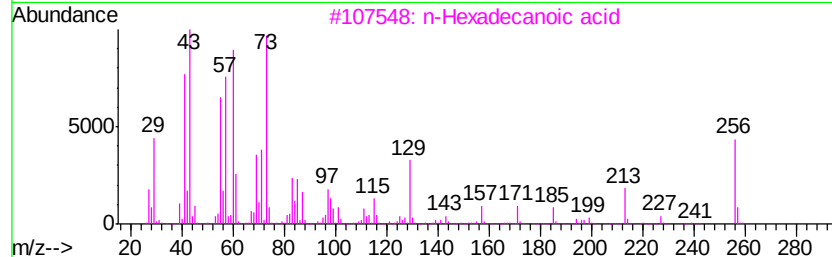
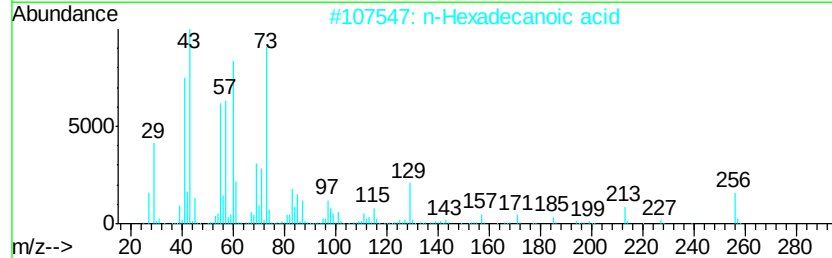
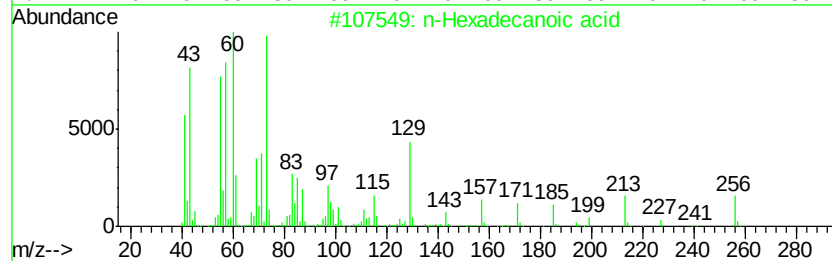
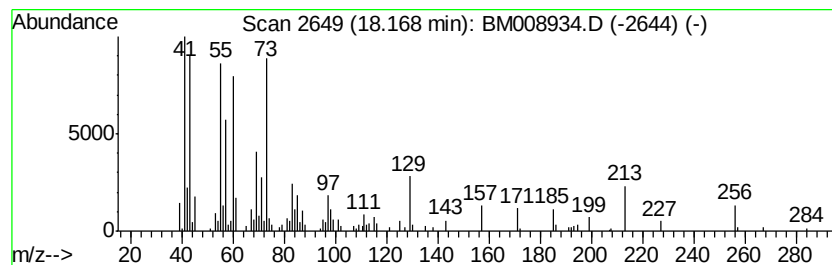
Instrument :  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 3

| R.T.    | EstConc             | Area         | Relative to ISTD |             | R.T.  |      |
|---------|---------------------|--------------|------------------|-------------|-------|------|
| 18.17   | 5.97 ng/ul          | 328367       | 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 | 93    |      |
| 3       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 72    |      |
| 4       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 68    |      |
| 5       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 59    |      |



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

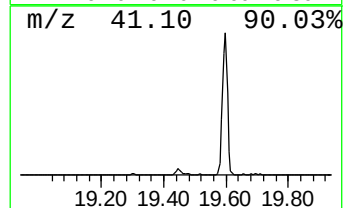
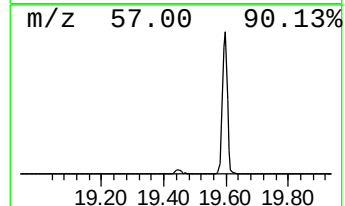
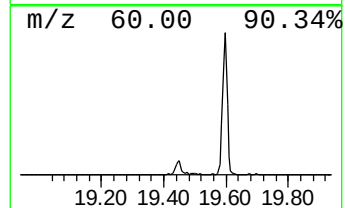
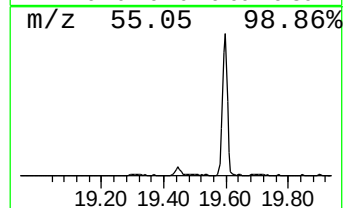
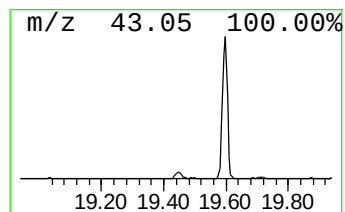
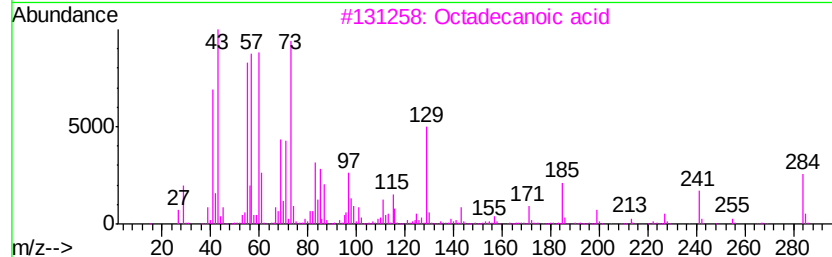
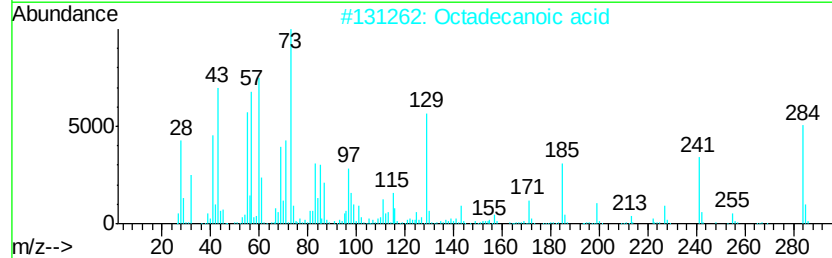
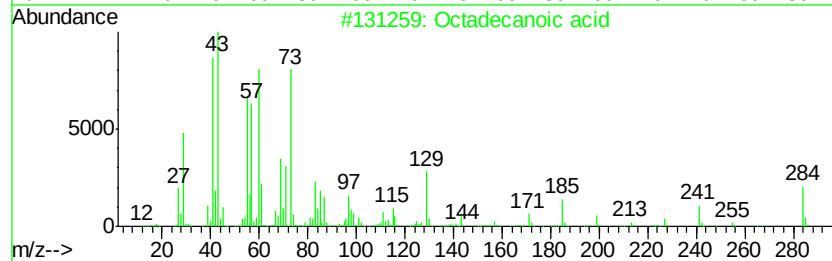
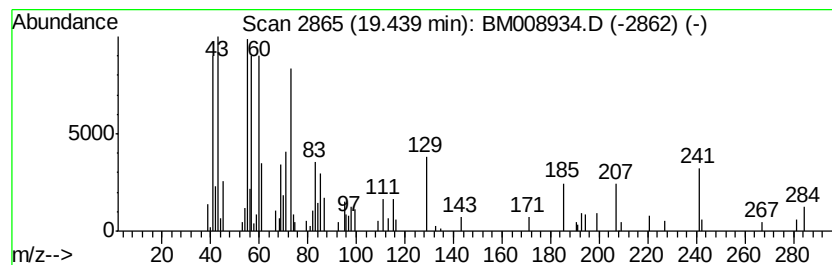
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octadecanoic acid Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.44 | 2.37 ng/ul | 176727 | Chrysene-d12     | 21.47 |

| Hit# | of | Tentative ID      | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 90   |
| 2    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 81   |
| 3    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 64   |
| 4    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 64   |
| 5    |    | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 58   |



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ClientSampleId :  
BDMT4

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

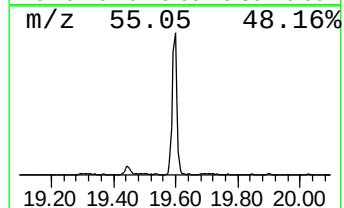
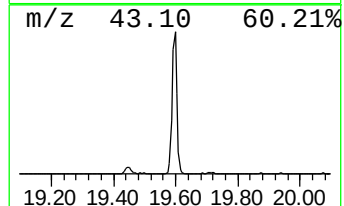
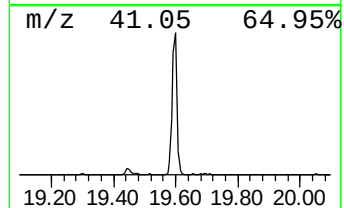
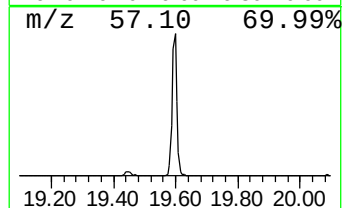
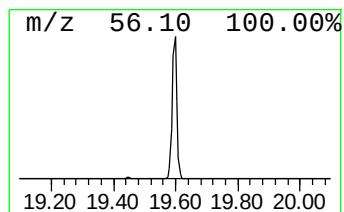
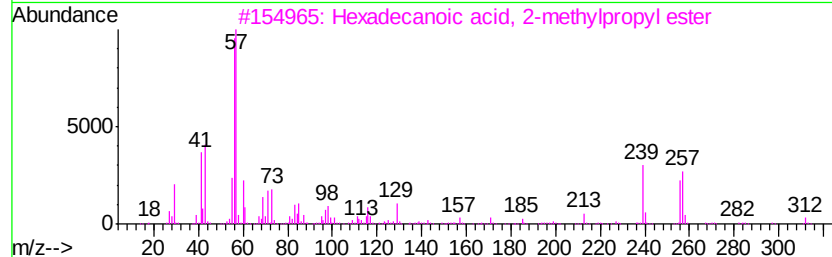
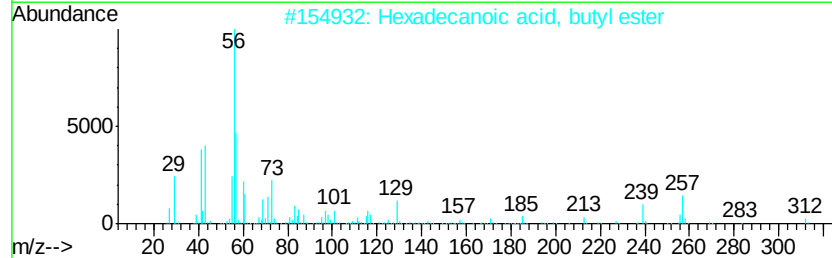
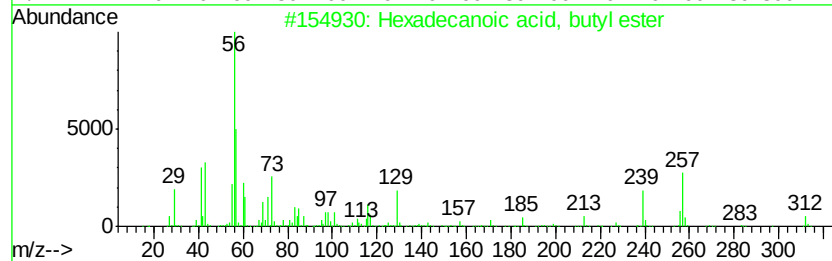
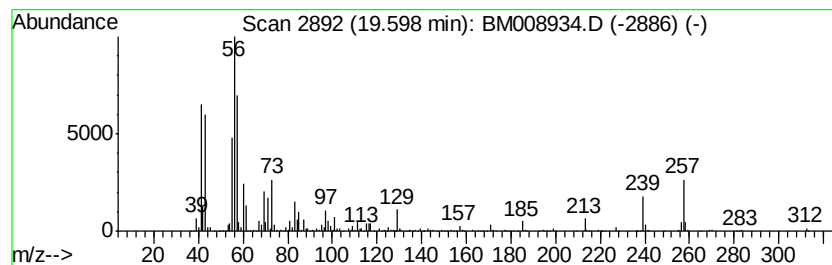
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Hexadecanoic acid, butyl ester Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 19.60 | 40.02 ng/ul | 2980920 | 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 | 87   |
| 3    |    | Hexadecanoic acid, 2-methylpropyl... | 312 | C20H40O2 | 000110-34-9 | 45   |
| 4    |    | Hexadecanoic acid, 1,1-dimethyle...  | 312 | C20H40O2 | 031158-91-5 | 43   |
| 5    |    | Eicosanoic acid                      | 312 | C20H40O2 | 000506-30-9 | 42   |



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Instrument :  
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ClientSampleId :  
BDMT4

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

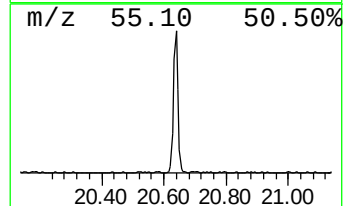
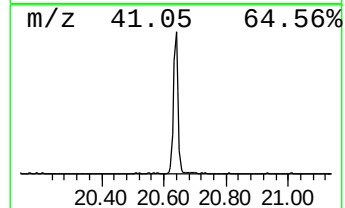
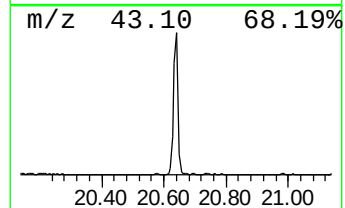
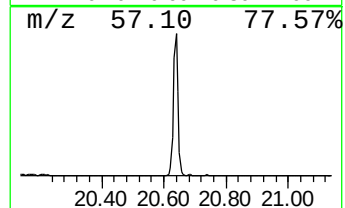
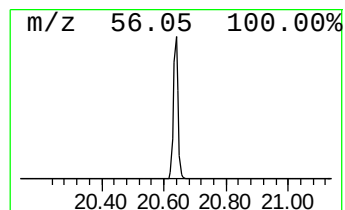
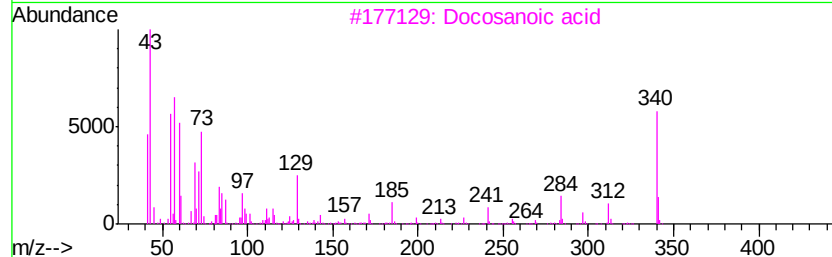
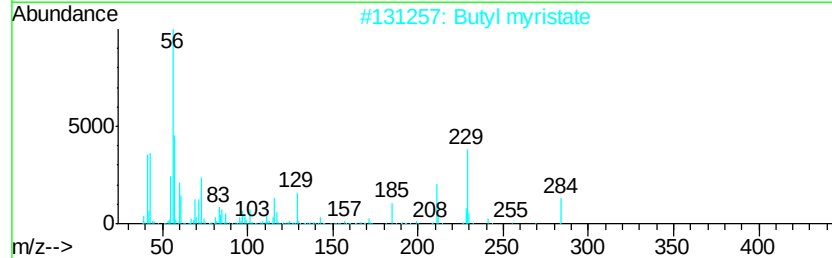
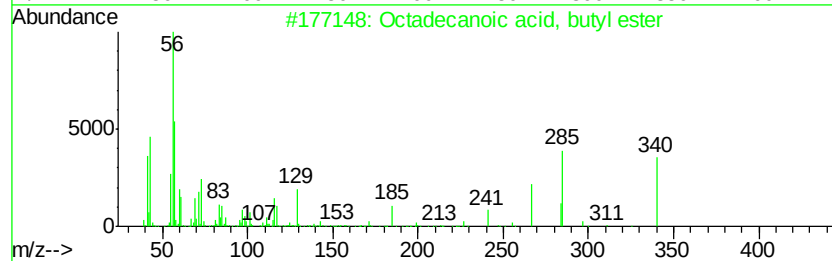
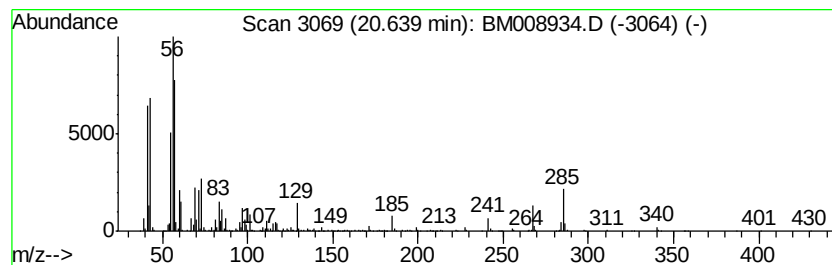
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Octadecanoic acid, butyl ester Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 20.64 | 36.28 ng/ul | 2702500 | 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    |    | Butyl myristate                     | 284 | C18H36O2 | 000110-36-1 | 45   |
| 3    |    | Docosanoic acid                     | 340 | C22H44O2 | 000112-85-6 | 38   |
| 4    |    | 2-Isopropyl-3-vinylloxirane         | 112 | C7H12O   | 070777-23-0 | 38   |
| 5    |    | Octadecanoic acid, 2-methylpropy... | 340 | C22H44O2 | 000646-13-9 | 38   |



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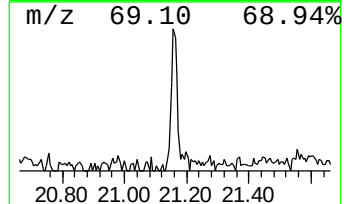
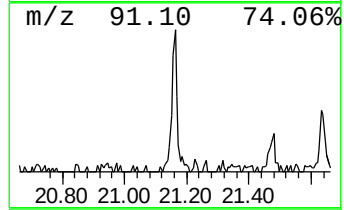
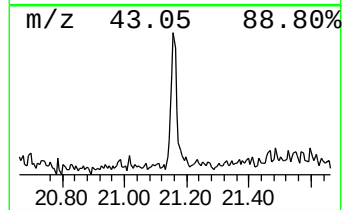
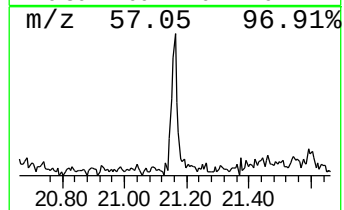
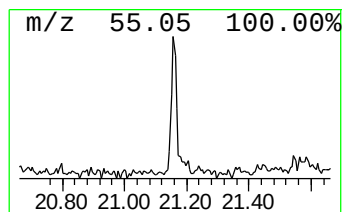
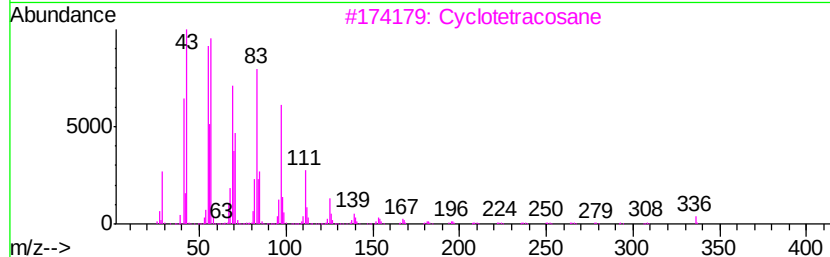
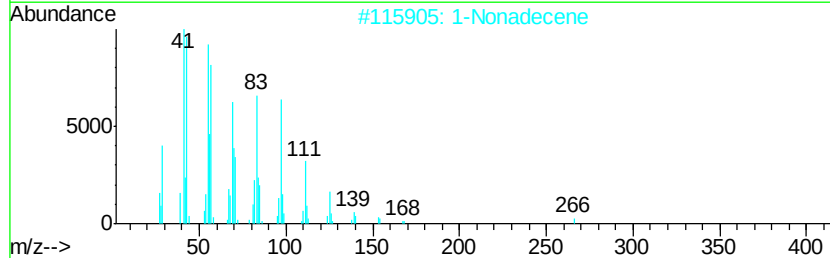
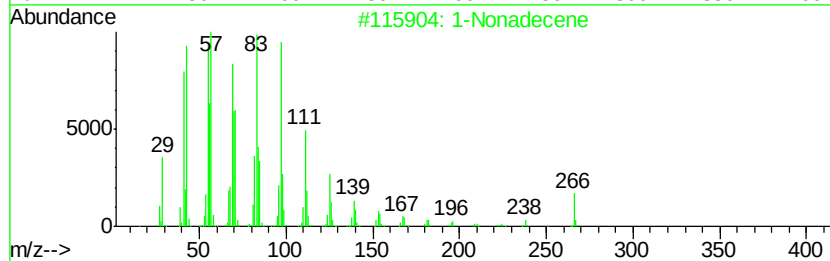
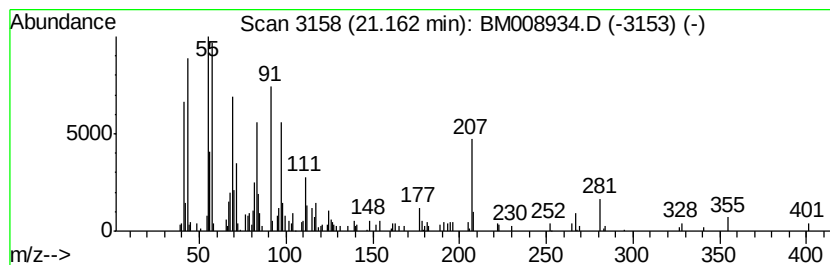
Instrument :  
BNA\_M  
ClientSampleId :  
BDMT4

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 4

| R.T.      | EstConc                                | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------------------|--------|------------------|-------------|------|
| 21.16     | 3.02 ng/ul                             | 225212 | Chrysene-d12     | 21.47       |      |
| Hit# of 5 | Tentative ID                           | MW     | MolForm          | CAS#        | Qual |
| 1         | 1-Nonadecene                           | 266    | C19H38           | 018435-45-5 | 93   |
| 2         | 1-Nonadecene                           | 266    | C19H38           | 018435-45-5 | 78   |
| 3         | Cyclotetracosane                       | 336    | C24H48           | 000297-03-0 | 70   |
| 4         | Trichloroacetic acid, tetradecyl ester | 358    | C16H29Cl3O2      | 074339-52-9 | 70   |
| 5         | Bromoacetic acid, hexadecyl ester      | 362    | C18H35BrO2       | 005454-48-8 | 70   |





Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM013017\  
Data File : BM008934.D  
Acq On : 31 Jan 2017 04:31  
Operator : SJ/MA  
Sample : I1467-04  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDMT4

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 | 6.0     | ng/ul | 328367   | 4                     | 17.30 | 1099770 | 20.0 |
| Octadecanoic acid    | 19.44 | 2.4     | ng/ul | 176727   | 5                     | 21.47 | 1489720 | 20.0 |
| Hexadecanoic acid... | 19.60 | 40.0    | ng/ul | 2980920  | 5                     | 21.47 | 1489720 | 20.0 |
| Octadecanoic acid... | 20.64 | 36.3    | ng/ul | 2702500  | 5                     | 21.47 | 1489720 | 20.0 |
| (DEL) Alkane: Cyc... | 21.16 | 3.0     | ng/ul | 225212   | 5                     | 21.47 | 1489720 | 20.0 |