

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
 Data File : BM010359.D  
 Acq On : 01 Jun 2017 17:24  
 Operator : SJ/MA  
 Sample : I3163-11  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JHSF9

## 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-BM052717.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         | 7.104       | 671           | 683         | 692          | rBV      | 699671         | 1203697       | 19.04%          | 1.448%        |
| 2         | 7.257       | 702           | 709         | 720          | rBV      | 485272         | 799493        | 12.64%          | 0.962%        |
| 3         | 7.457       | 735           | 743         | 754          | rBV      | 773265         | 1282431       | 20.28%          | 1.543%        |
| 4         | 7.916       | 815           | 821         | 830          | rBV      | 1191596        | 1861458       | 29.44%          | 2.239%        |
| 5         | 8.639       | 937           | 944         | 955          | rBV2     | 715442         | 1190318       | 18.82%          | 1.432%        |
| 6         | 9.104       | 1012          | 1023        | 1032         | rBV      | 681360         | 1179565       | 18.65%          | 1.419%        |
| 7         | 9.816       | 1135          | 1144        | 1154         | rBV      | 636186         | 1094223       | 17.30%          | 1.316%        |
| 8         | 10.345      | 1227          | 1234        | 1249         | rBV      | 957089         | 1762441       | 27.87%          | 2.120%        |
| 9         | 10.722      | 1291          | 1298        | 1306         | rBV      | 1418850        | 2350219       | 37.17%          | 2.827%        |
| 10        | 10.892      | 1319          | 1327        | 1338         | rBV      | 328011         | 679132        | 10.74%          | 0.817%        |
| 11        | 12.239      | 1552          | 1556        | 1562         | rVB3     | 50256          | 81344         | 1.29%           | 0.098%        |
| 12        | 13.786      | 1813          | 1819        | 1825         | rVB7     | 39205          | 63709         | 1.01%           | 0.077%        |
| 13        | 13.968      | 1843          | 1850        | 1854         | rBV      | 1996634        | 2748275       | 43.46%          | 3.306%        |
| 14        | 14.015      | 1854          | 1858        | 1863         | rVB      | 338452         | 476124        | 7.53%           | 0.573%        |
| 15        | 14.251      | 1890          | 1898        | 1909         | rBV      | 2022627        | 2955956       | 46.75%          | 3.556%        |
| 16        | 14.557      | 1943          | 1950        | 1958         | rBV2     | 2064102        | 3146479       | 49.76%          | 3.785%        |
| 17        | 14.792      | 1984          | 1990        | 2002         | rBV      | 491503         | 936569        | 14.81%          | 1.127%        |
| 18        | 15.545      | 2108          | 2118        | 2125         | rBV      | 2697758        | 3894757       | 61.59%          | 4.685%        |
| 19        | 15.668      | 2131          | 2139        | 2145         | rBV      | 758172         | 1104716       | 17.47%          | 1.329%        |
| 20        | 16.198      | 2225          | 2229        | 2236         | rVB4     | 79605          | 139222        | 2.20%           | 0.167%        |
| 21        | 16.439      | 2263          | 2270        | 2278         | rBV5     | 58464          | 101805        | 1.61%           | 0.122%        |
| 22        | 16.656      | 2304          | 2307        | 2312         | rVV6     | 68649          | 99605         | 1.58%           | 0.120%        |
| 23        | 16.986      | 2359          | 2363        | 2366         | rBV4     | 52146          | 72964         | 1.15%           | 0.088%        |
| 24        | 17.151      | 2387          | 2391        | 2399         | rBV5     | 163977         | 287031        | 4.54%           | 0.345%        |
| 25        | 17.215      | 2399          | 2402        | 2407         | rVV5     | 118439         | 161798        | 2.56%           | 0.195%        |
| 26        | 17.298      | 2410          | 2416        | 2426         | rVV2     | 2720927        | 3955737       | 62.56%          | 4.758%        |
| 27        | 17.398      | 2427          | 2433        | 2445         | rVB      | 3071172        | 4254853       | 67.29%          | 5.118%        |
| 28        | 18.033      | 2535          | 2541        | 2547         | rBV3     | 192216         | 357071        | 5.65%           | 0.430%        |
| 29        | 18.092      | 2547          | 2551        | 2556         | rVB5     | 108623         | 142639        | 2.26%           | 0.172%        |
| 30        | 18.150      | 2556          | 2561        | 2572         | rBV      | 902050         | 1377714       | 21.79%          | 1.657%        |
| 31        | 18.450      | 2602          | 2612        | 2624         | rBV      | 141335         | 426036        | 6.74%           | 0.512%        |
| 32        | 19.009      | 2703          | 2707        | 2708         | rBV4     | 54885          | 70536         | 1.12%           | 0.085%        |
| 33        | 19.121      | 2723          | 2726        | 2733         | rVB9     | 60650          | 87886         | 1.39%           | 0.106%        |
| 34        | 19.280      | 2750          | 2753        | 2754         | rBV3     | 92622          | 91406         | 1.45%           | 0.110%        |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

## 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-BM052717.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 19.303 | 2754 | 2757 | 2758 | rBV2 | 134058  | 124603  | 1.97%   | 0.150% |
| 36 | 19.415 | 2772 | 2776 | 2784 | rBV2 | 400034  | 603152  | 9.54%   | 0.726% |
| 37 | 19.686 | 2816 | 2822 | 2829 | rVB  | 4242649 | 5478588 | 86.64%  | 6.590% |
| 38 | 20.150 | 2897 | 2901 | 2908 | rBV3 | 265379  | 400796  | 6.34%   | 0.482% |
| 39 | 20.362 | 2935 | 2937 | 2941 | rVB4 | 156939  | 157357  | 2.49%   | 0.189% |
| 40 | 21.127 | 3061 | 3067 | 3077 | rBV4 | 730928  | 1834823 | 29.02%  | 2.207% |
| 41 | 21.427 | 3115 | 3118 | 3119 | rBV3 | 255303  | 291216  | 4.61%   | 0.350% |
| 42 | 21.462 | 3120 | 3124 | 3130 | rVB  | 4505953 | 5605331 | 88.65%  | 6.743% |
| 43 | 21.980 | 3209 | 3212 | 3216 | rBV  | 763569  | 1076792 | 17.03%  | 1.295% |
| 44 | 22.044 | 3217 | 3223 | 3229 | rVB3 | 1554881 | 2859551 | 45.22%  | 3.440% |
| 45 | 22.709 | 3333 | 3336 | 3340 | rVB3 | 641180  | 792386  | 12.53%  | 0.953% |
| 46 | 22.974 | 3376 | 3381 | 3388 | rVB  | 1953493 | 2863386 | 45.28%  | 3.444% |
| 47 | 23.056 | 3391 | 3395 | 3404 | rVV3 | 720787  | 1702723 | 26.93%  | 2.048% |
| 48 | 23.656 | 3491 | 3497 | 3506 | rVB2 | 3291605 | 6323242 | 100.00% | 7.606% |
| 49 | 23.809 | 3518 | 3523 | 3532 | rVB  | 2949291 | 5667872 | 89.64%  | 6.818% |
| 50 | 24.221 | 3589 | 3593 | 3599 | rVB3 | 919061  | 1645083 | 26.02%  | 1.979% |
| 51 | 24.332 | 3606 | 3612 | 3626 | rVB3 | 1651123 | 5265820 | 83.28%  | 6.334% |

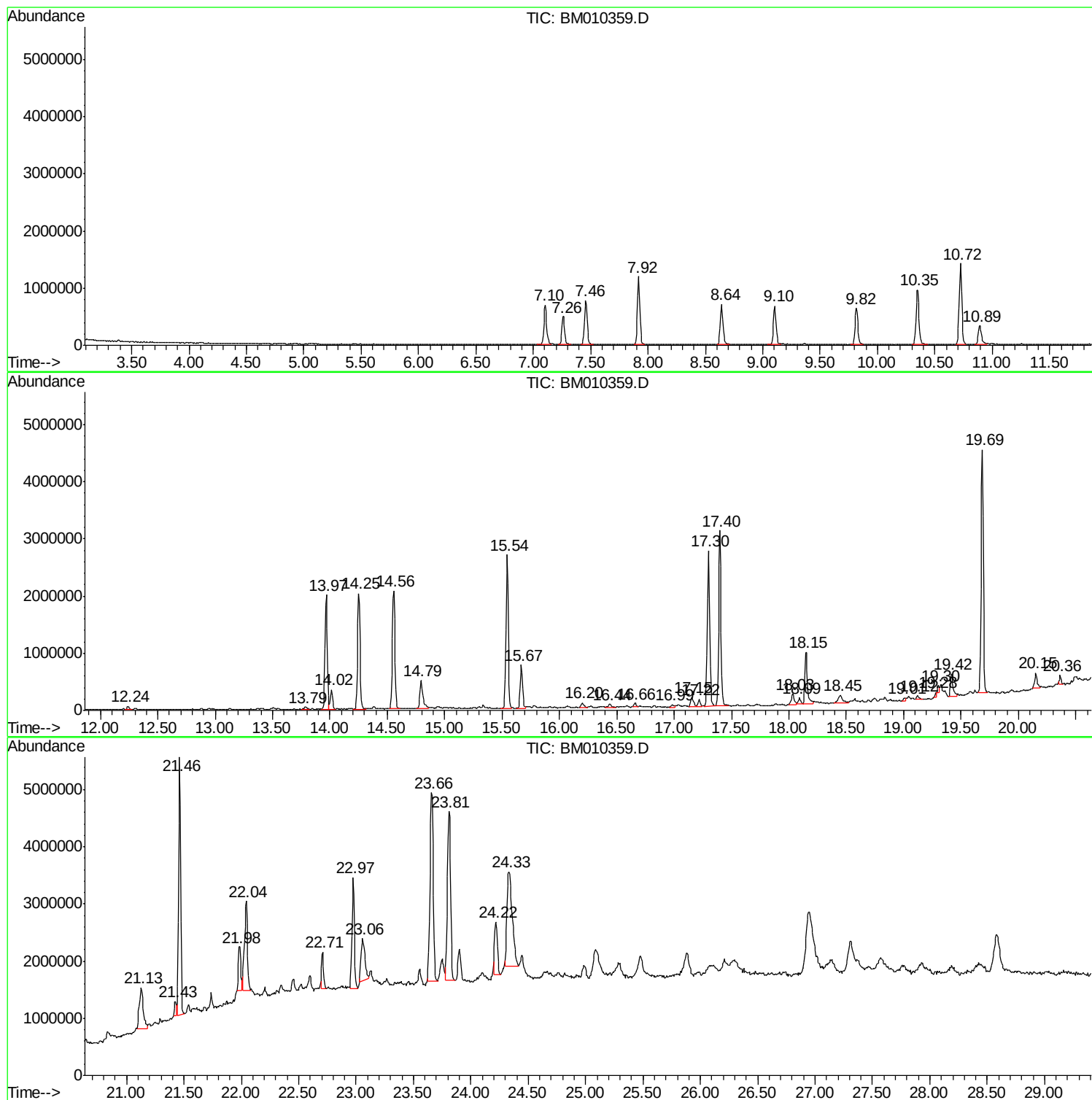
Sum of corrected areas: 83129930

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

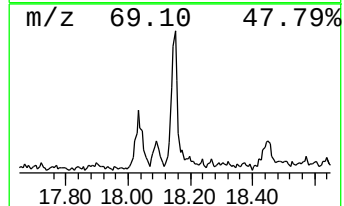
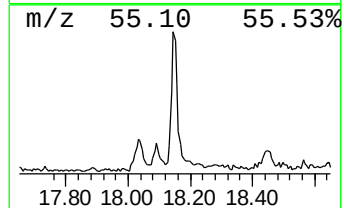
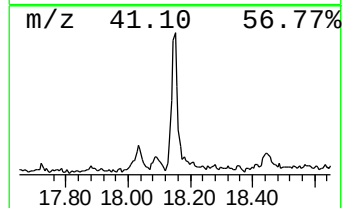
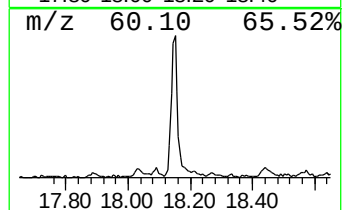
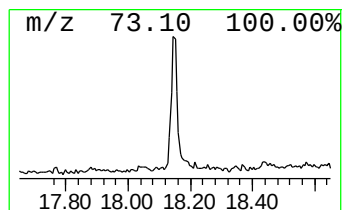
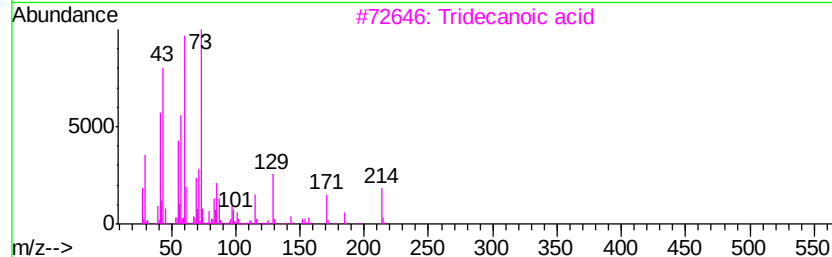
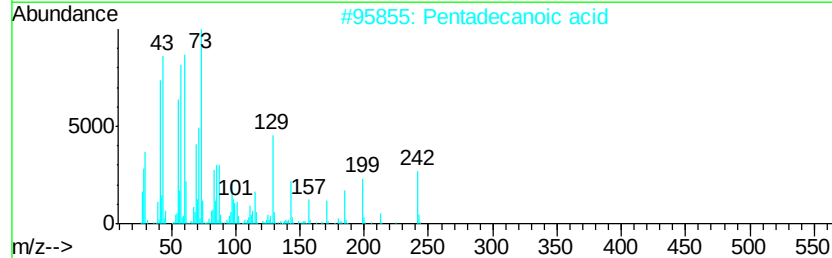
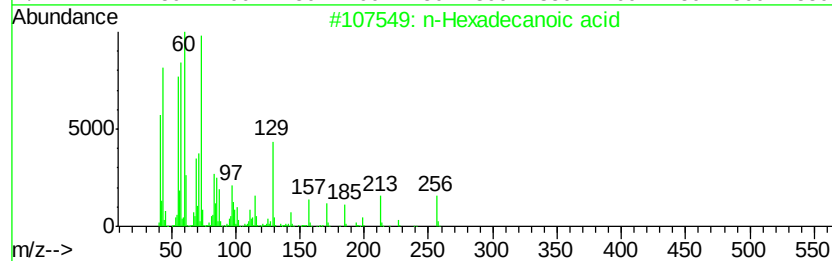
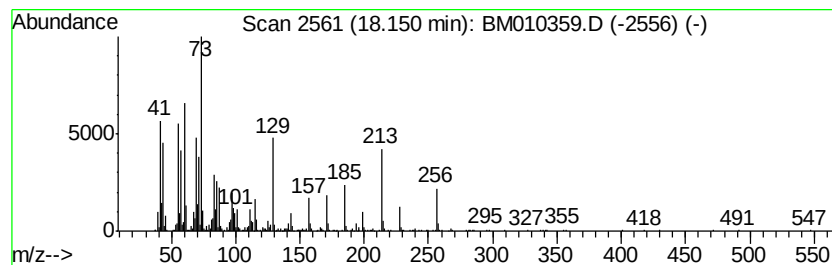
Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 4

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|---------------------|--------------|------------------|-------------|------|------|
| 18.15   | 6.97 ng/ul          | 1377710      | Phenanthrene-d10 | 17.30       |      |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 95   |      |
| 2       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 92   |      |
| 3       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 78   |      |
| 4       | n-Decanoic acid     | 172          | C10H20O2         | 000334-48-5 | 55   |      |
| 5       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 55   |      |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

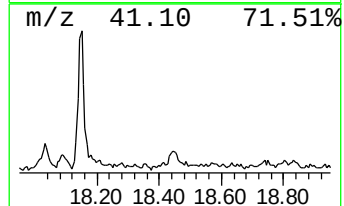
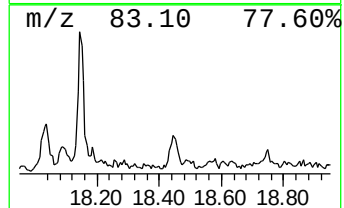
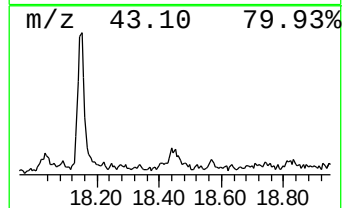
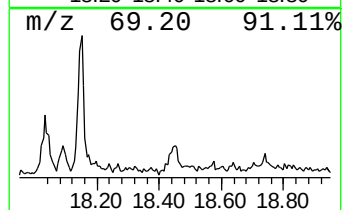
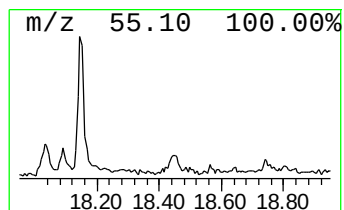
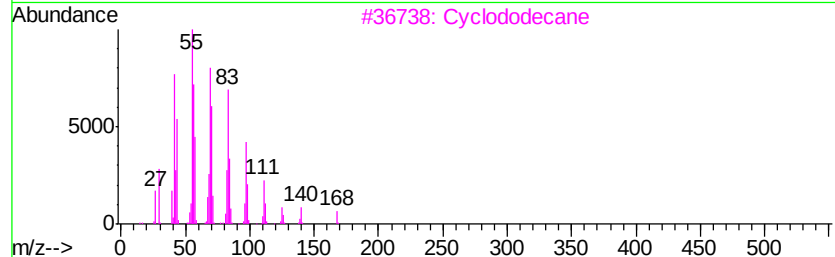
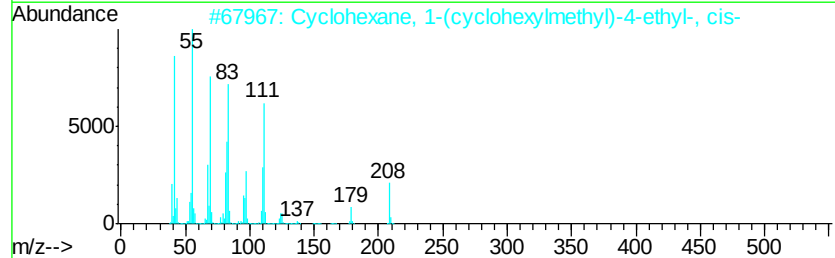
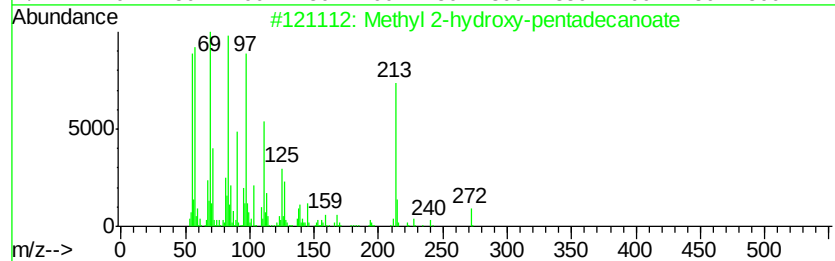
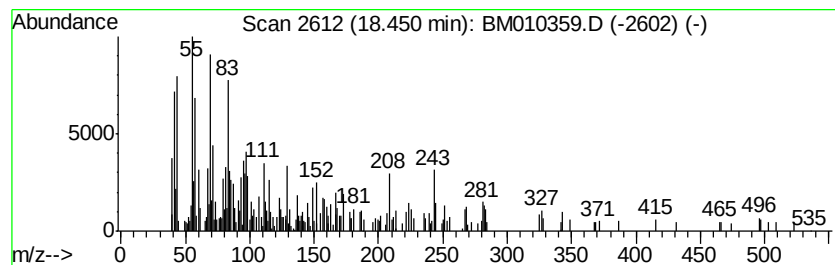
Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Methyl 2-hydroxy-pentadecan... Concentration Rank 10

| R.T.    | EstConc    | Area                                 | Relative to ISTD | R.T.     |              |      |
|---------|------------|--------------------------------------|------------------|----------|--------------|------|
| 18.45   | 2.15 ng/ul | 426036                               | Phenanthrene-d10 | 17.30    |              |      |
| Hit# of | 5          | Tentative ID                         | MW               | MolForm  | CAS#         | Qual |
| 1       |            | Methyl 2-hydroxy-pentadecanoate      | 272              | C16H32O3 | 1000336-35-7 | 81   |
| 2       |            | Cyclohexane, 1-(cyclohexylmethyl)... | 208              | C15H28   | 054934-95-1  | 74   |
| 3       |            | Cyclododecane                        | 168              | C12H24   | 000294-62-2  | 74   |
| 4       |            | 9-Eicosene, (E)-                     | 280              | C20H40   | 074685-29-3  | 60   |
| 5       |            | Cyclohexane, 1-(1,5-dimethylhexy...  | 280              | C20H40   | 056009-20-2  | 60   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

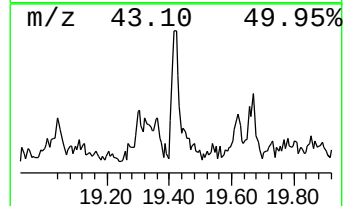
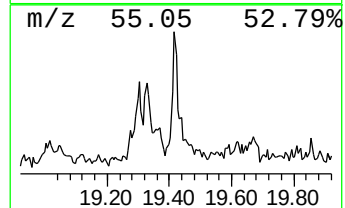
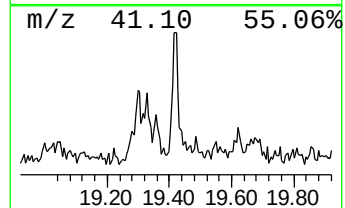
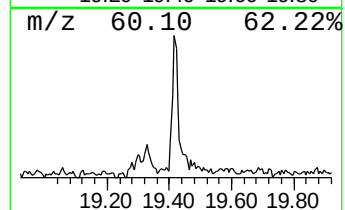
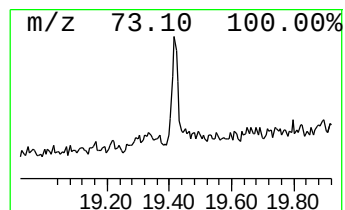
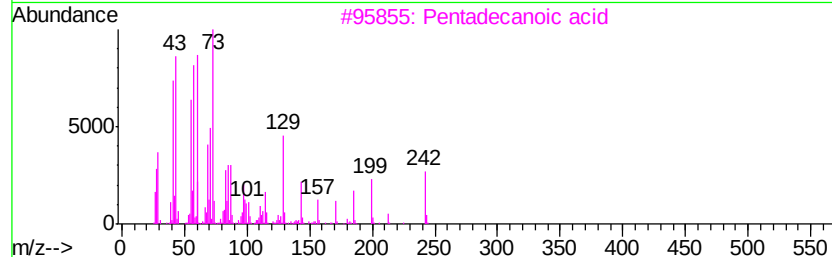
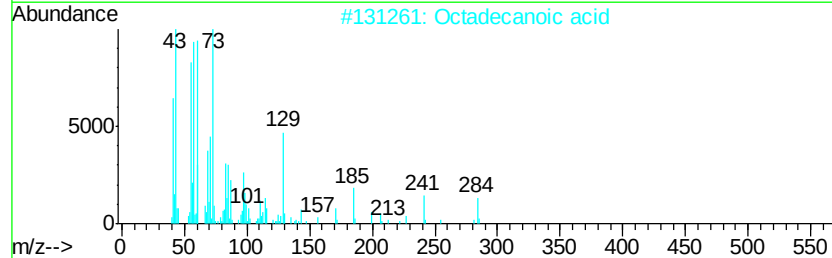
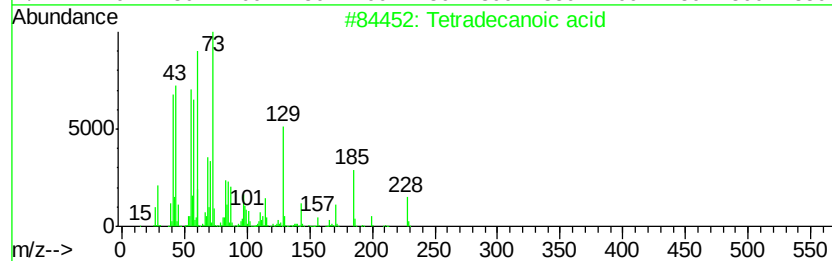
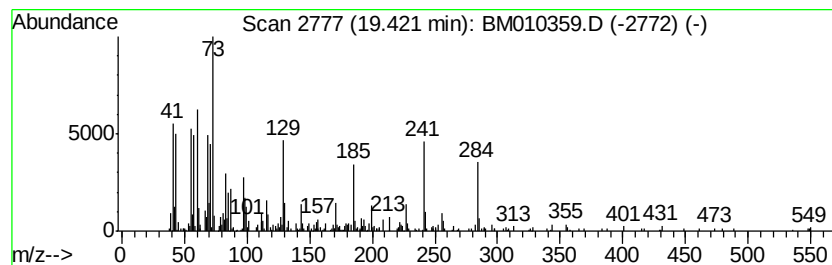
Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Tetradecanoic acid Concentration Rank 11

| R.T.    | EstConc    | Area               | Relative to ISTD | R.T.           |
|---------|------------|--------------------|------------------|----------------|
| 19.42   | 2.15 ng/ul | 603152             | Chrysene-d12     | 21.46          |
| Hit# of | 5          | Tentative ID       | MW MolForm       | CAS# Qual      |
| 1       |            | Tetradecanoic acid | 228 C14H28O2     | 000544-63-8 90 |
| 2       |            | Octadecanoic acid  | 284 C18H36O2     | 000057-11-4 81 |
| 3       |            | Pentadecanoic acid | 242 C15H30O2     | 001002-84-2 78 |
| 4       |            | Pentadecanoic acid | 242 C15H30O2     | 001002-84-2 78 |
| 5       |            | Octadecanoic acid  | 284 C18H36O2     | 000057-11-4 76 |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

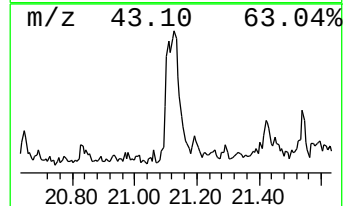
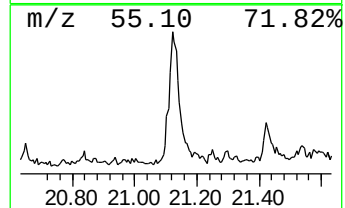
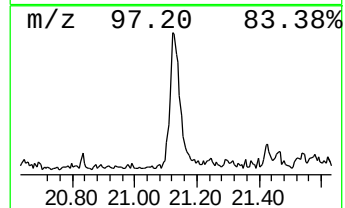
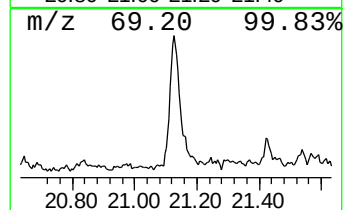
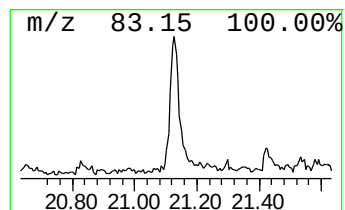
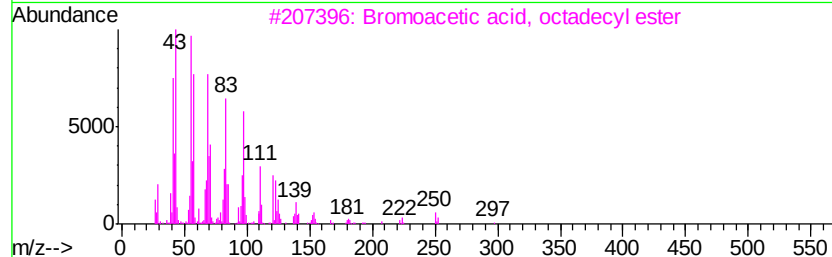
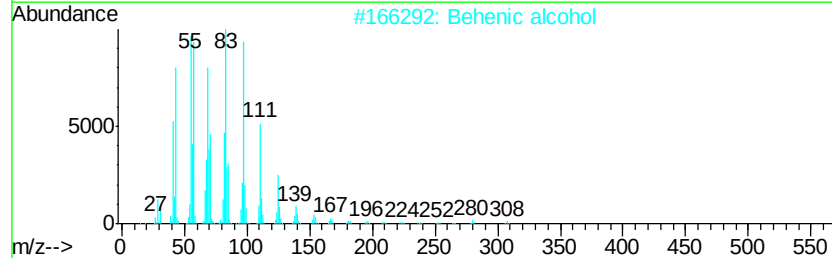
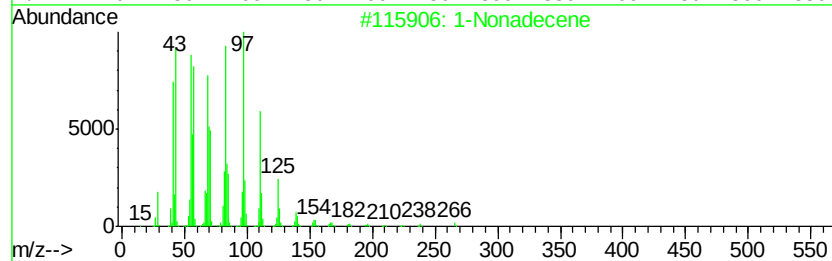
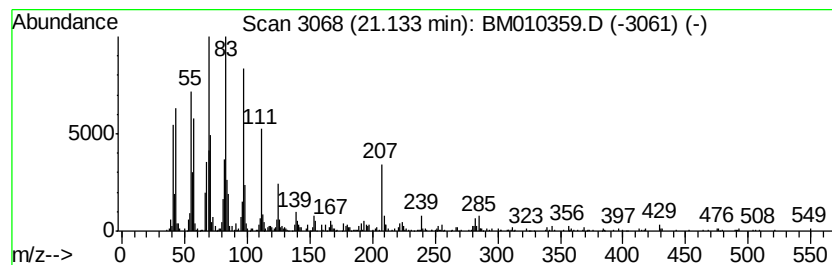
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Cyclic21.13 Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.13 | 6.55 ng/ul | 1834820 | Chrysene-d12     | 21.46 |

| Hit# | of | Tentative ID                      | MW  | MolForm    | CAS#        | Qual |
|------|----|-----------------------------------|-----|------------|-------------|------|
| 1    | 5  | 1-Nonadecene                      | 266 | C19H38     | 018435-45-5 | 96   |
| 2    |    | Behenic alcohol                   | 326 | C22H46O    | 000661-19-8 | 89   |
| 3    |    | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 83   |
| 4    |    | Cyclotetradecane                  | 196 | C14H28     | 000295-17-0 | 81   |
| 5    |    | n-Tetracosanol-1                  | 354 | C24H50O    | 000506-51-4 | 76   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

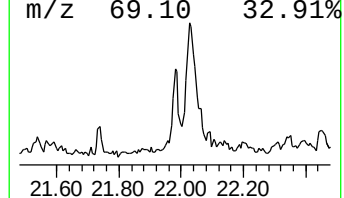
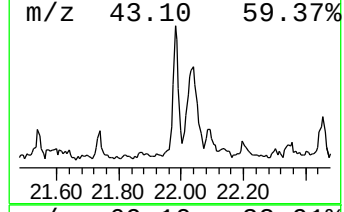
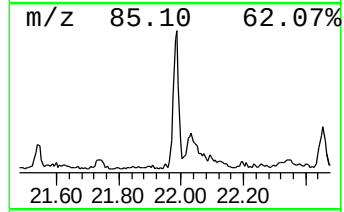
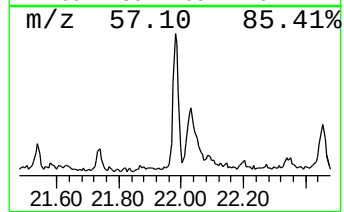
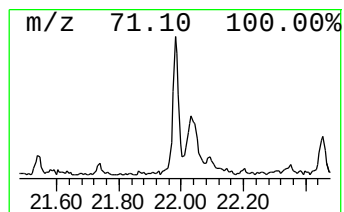
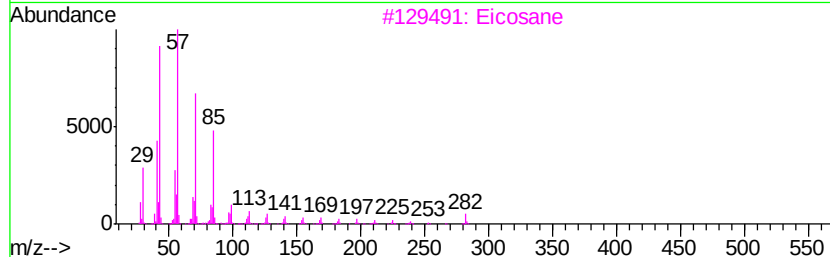
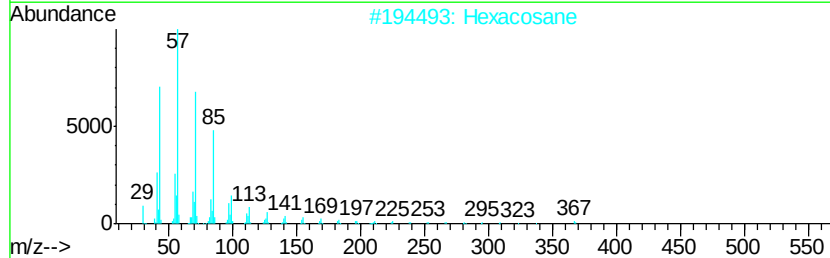
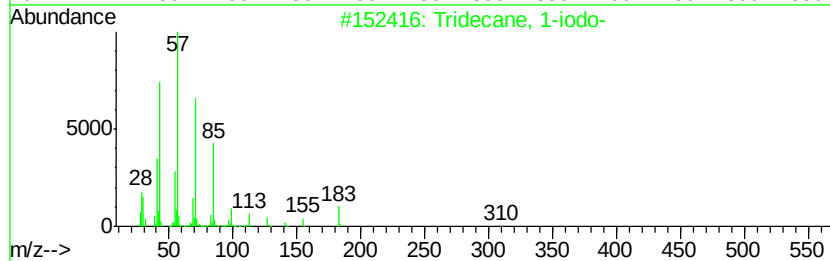
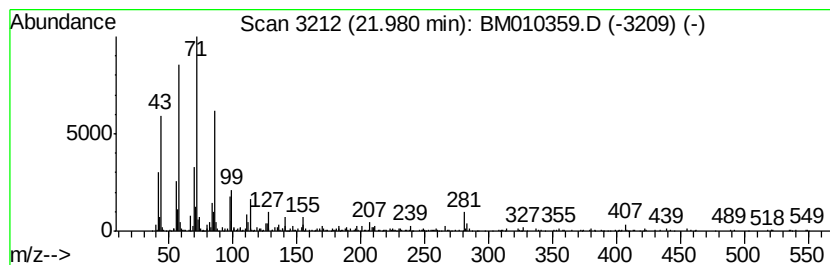
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Tridecane, 1-iodo- Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.98 | 3.84 ng/ul | 1076790 | Chrysene-d12     | 21.46 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 76   |
| 2    |    | Hexacosane         | 366 | C26H54  | 000630-01-3 | 74   |
| 3    |    | Eicosane           | 282 | C20H42  | 000112-95-8 | 74   |
| 4    |    | Tetratetracontane  | 619 | C44H90  | 007098-22-8 | 74   |
| 5    |    | Hentriacontane     | 437 | C31H64  | 000630-04-6 | 72   |





Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

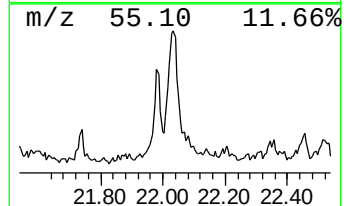
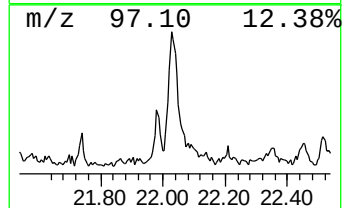
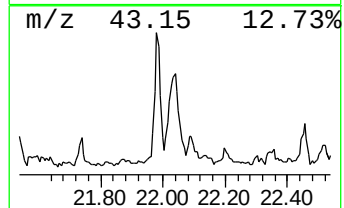
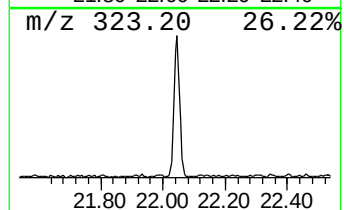
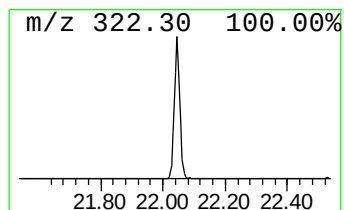
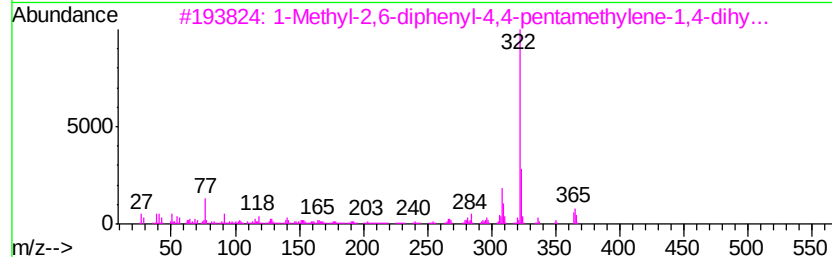
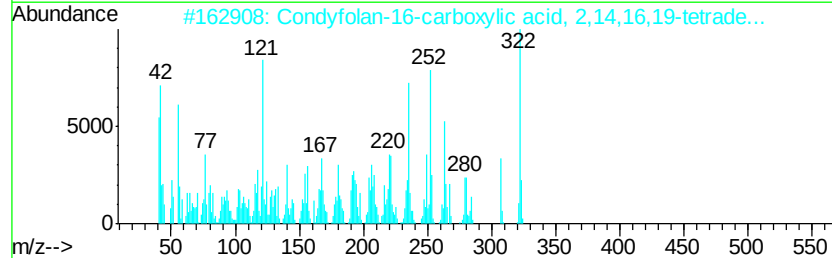
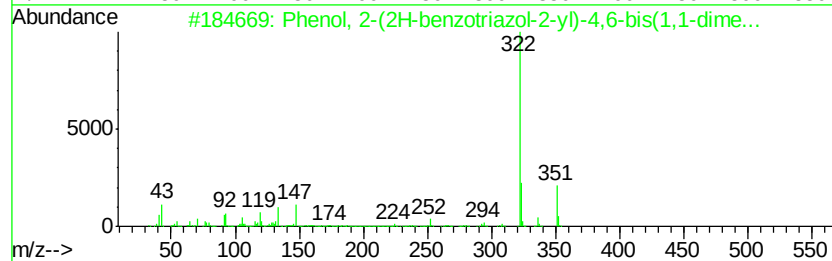
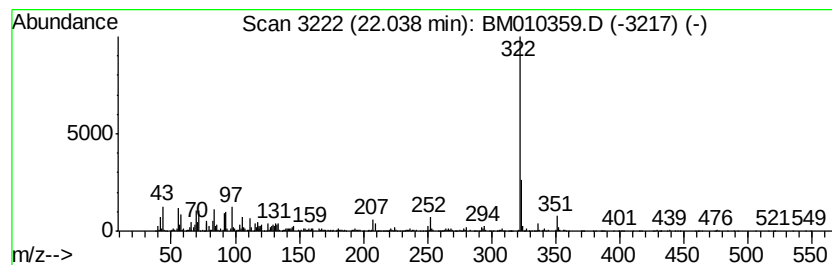
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Phenol, 2-(2H-benzotriazol-... Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 22.04 | 10.20 ng/ul | 2859550 | Chrysene-d12     | 21.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Phenol, 2-(2H-benzotriazol-2-yl)... | 351 | C22H29N3O  | 025973-55-1 | 83   |
| 2    |    | Condyfolan-16-carboxylic acid, 2... | 322 | C20H22N2O2 | 004939-81-5 | 50   |
| 3    |    | 1-Methyl-2,6-diphenyl-4,4-pentam... | 365 | C25H23N3   | 083078-31-3 | 50   |
| 4    |    | m-Bis(p-methoxyphenoxy)benzene      | 322 | C20H18O4   | 013118-91-7 | 45   |
| 5    |    | 1H-Indole, 3-Phenyl-2-(3'-methyl... | 322 | C23H18N2   | 164936-86-1 | 45   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

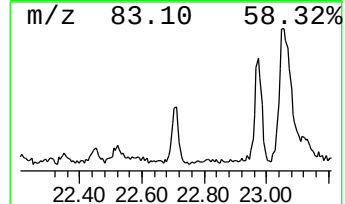
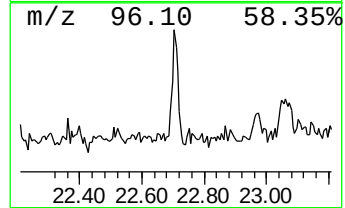
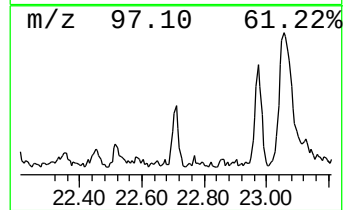
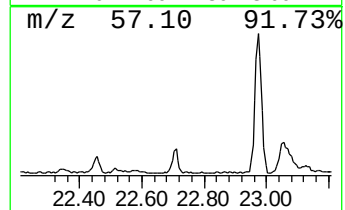
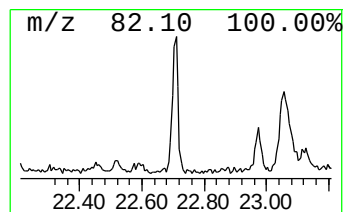
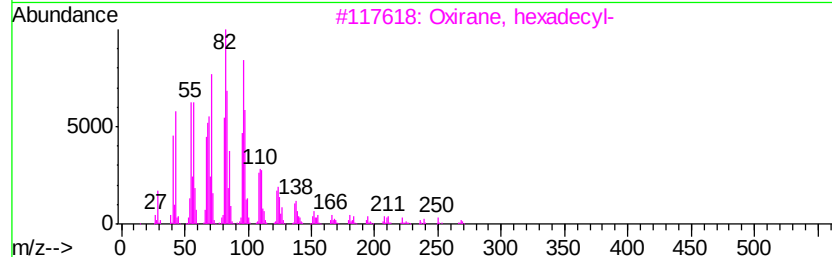
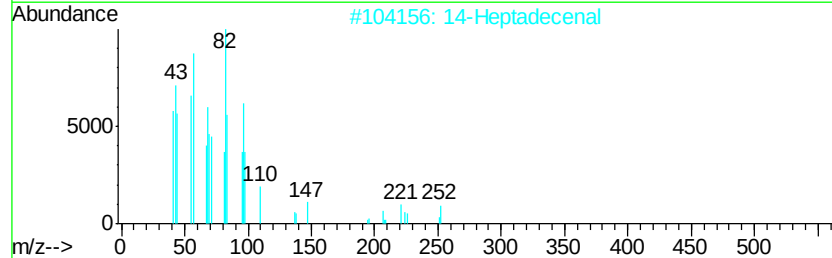
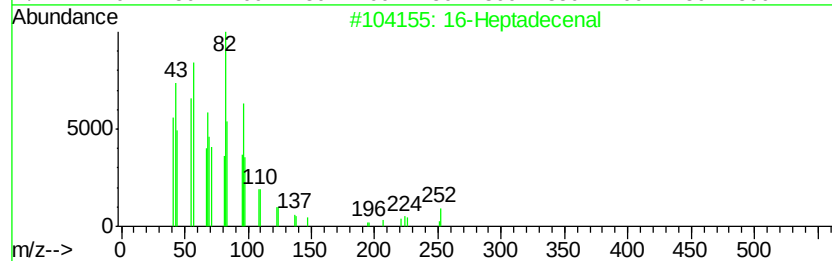
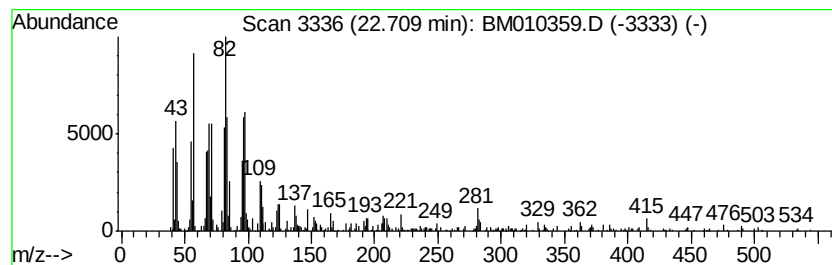
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 16-Heptadecenal Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.71 | 2.80 ng/ul | 792386 | Perylene-d12     | 23.81 |

| Hit# of | 5 | Tentative ID                   | MW  | MolForm | CAS#         | Qual |
|---------|---|--------------------------------|-----|---------|--------------|------|
| 1       |   | 16-Heptadecenal                | 252 | C17H32O | 1000144-57-9 | 90   |
| 2       |   | 14-Heptadecenal                | 252 | C17H32O | 1000144-58-0 | 86   |
| 3       |   | Oxirane, hexadecyl-            | 268 | C18H36O | 007390-81-0  | 83   |
| 4       |   | E-11(13-Methyl)tetradecen-1-ol | 226 | C15H30O | 1000130-80-3 | 81   |
| 5       |   | Hexadecanal                    | 240 | C16H32O | 000629-80-1  | 74   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

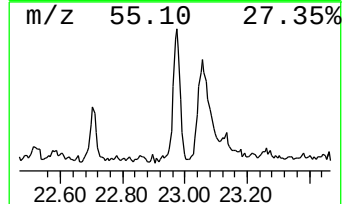
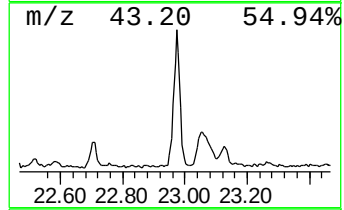
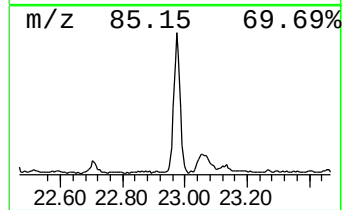
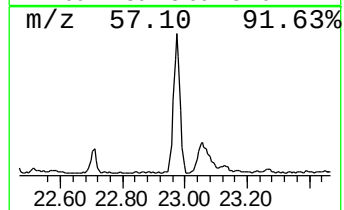
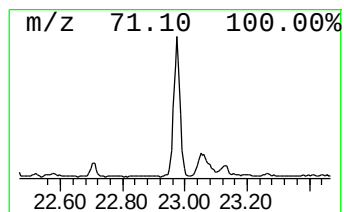
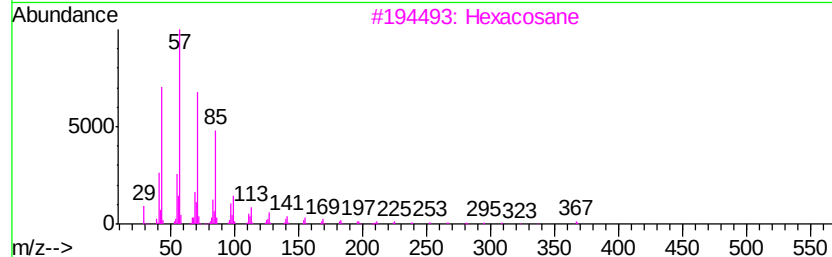
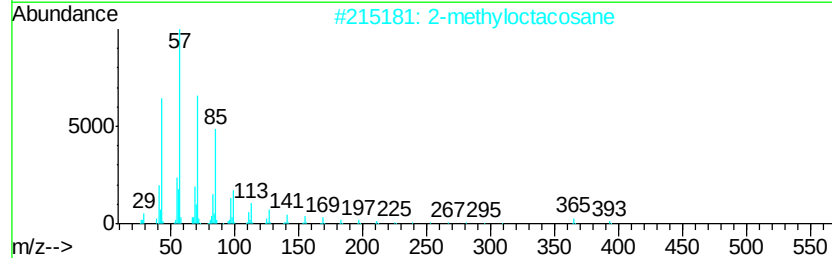
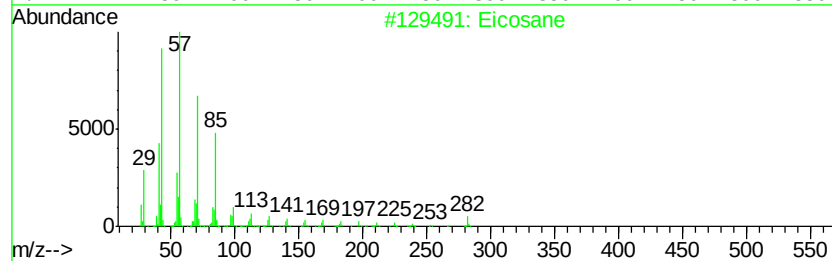
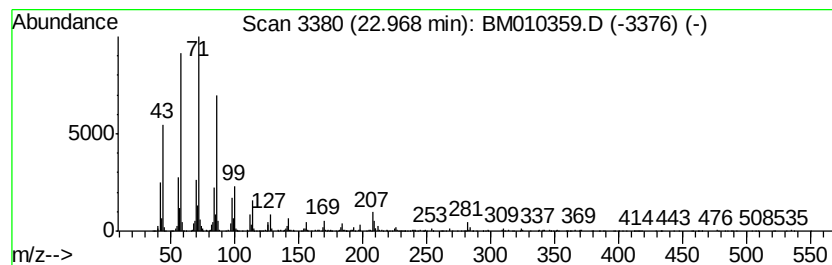
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 22.97 | 10.10 ng/ul | 2863390 | Perylene-d12     | 23.81 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Eicosane           | 282 | C20H42  | 000112-95-8  | 91   |
| 2    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |
| 3    |    | Hexacosane         | 366 | C26H54  | 000630-01-3  | 90   |
| 4    |    | Hentriacontane     | 437 | C31H64  | 000630-04-6  | 90   |
| 5    |    | E-14-Hexadecenal   | 238 | C16H30O | 330207-53-9  | 90   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

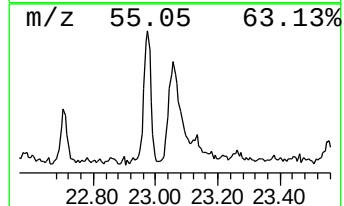
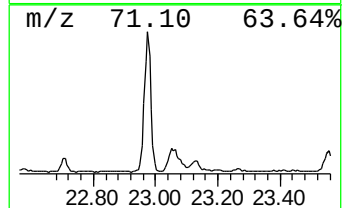
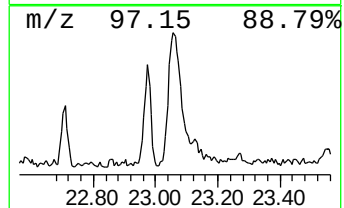
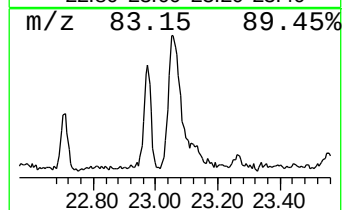
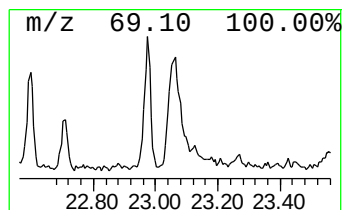
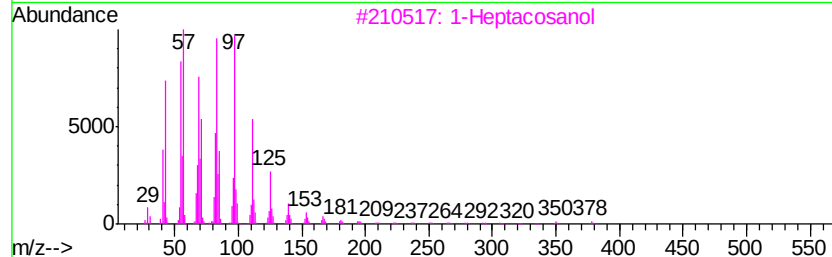
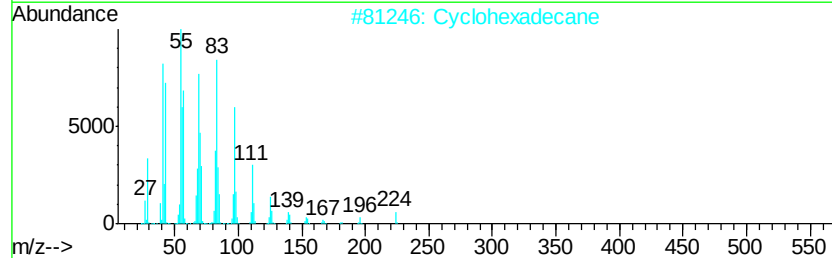
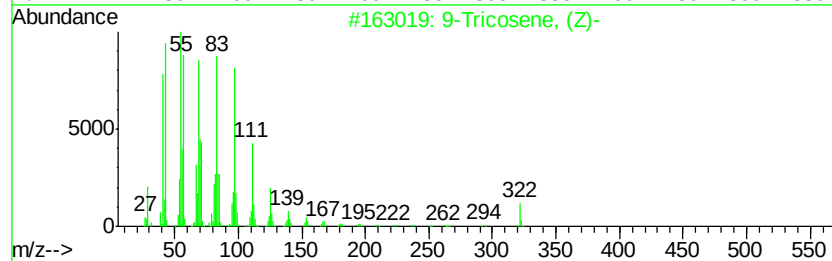
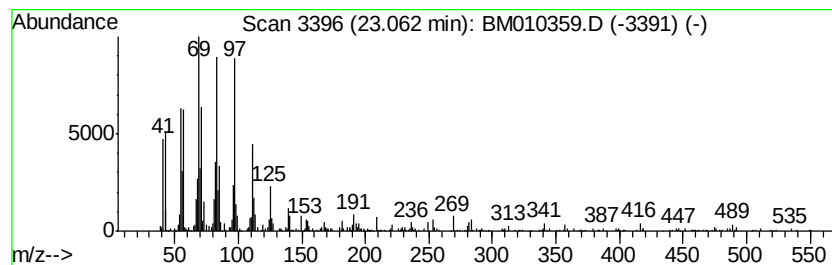
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 (DEL) Alkane: Cyclic23.06 Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.06 | 6.01 ng/ul | 1702720 | Perylene-d12     | 23.81 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | 9-Tricosene, (Z)- | 322 | C23H46  | 027519-02-4 | 93   |
| 2    |    | Cyclohexadecane   | 224 | C16H32  | 000295-65-8 | 93   |
| 3    |    | 1-Heptacosanol    | 396 | C27H56O | 002004-39-9 | 92   |
| 4    |    | 1-Heneicosanol    | 312 | C21H44O | 015594-90-8 | 90   |
| 5    |    | Cyclopentadecane  | 210 | C15H30  | 000295-48-7 | 90   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

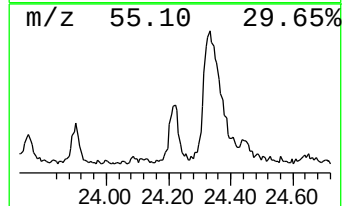
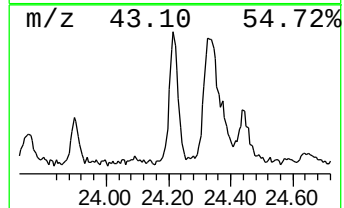
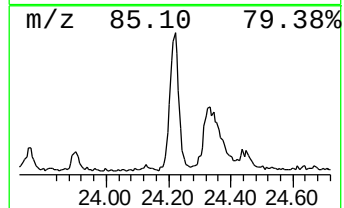
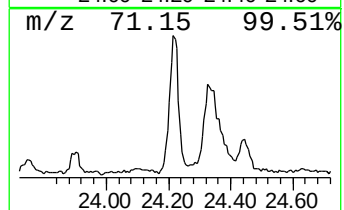
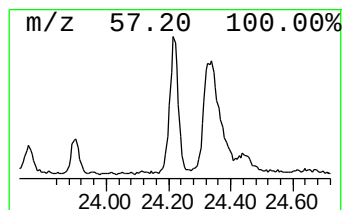
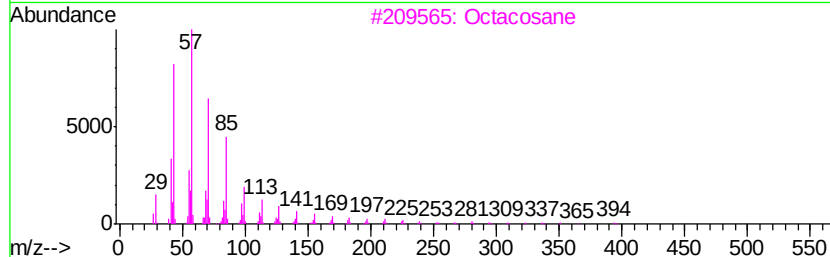
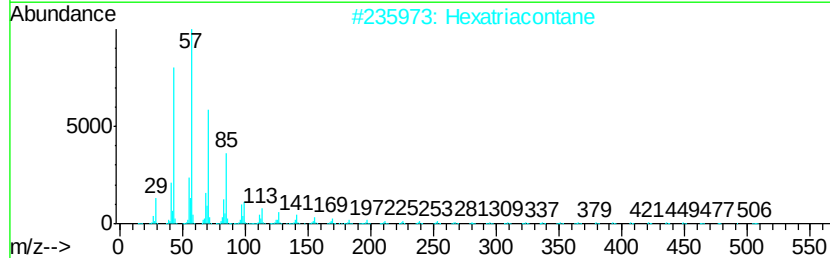
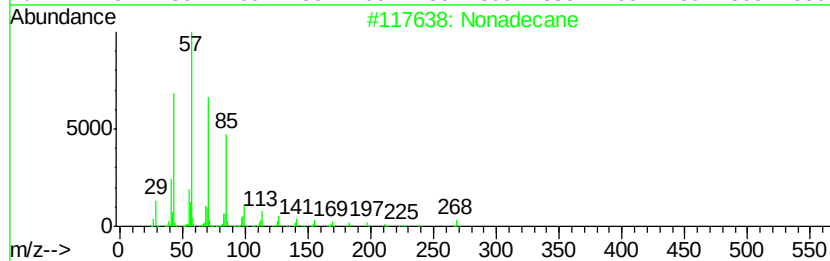
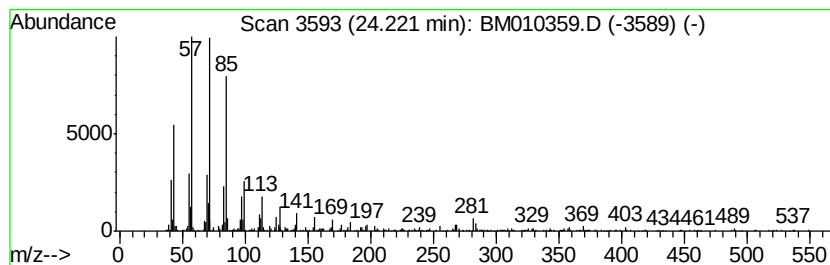
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.22 | 5.80 ng/ul | 1645080 | Perylene-d12     | 23.81 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------|-----|---------|--------------|------|
| 1    |    |   | Nonadecane         | 268 | C19H40  | 000629-92-5  | 93   |
| 2    |    |   | Hexatriacontane    | 507 | C36H74  | 000630-06-8  | 93   |
| 3    |    |   | Octacosane         | 394 | C28H58  | 000630-02-4  | 90   |
| 4    |    |   | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 87   |
| 5    |    |   | Eicosane           | 282 | C20H42  | 000112-95-8  | 87   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

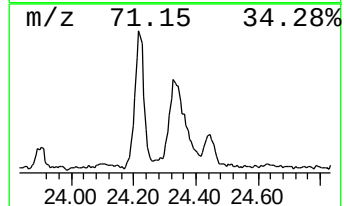
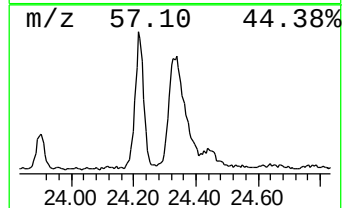
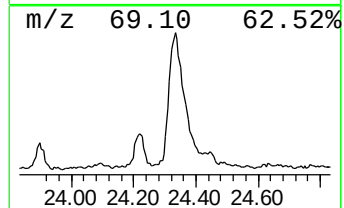
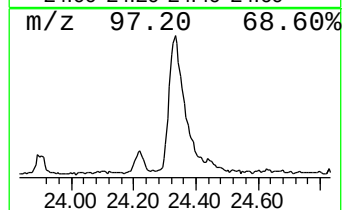
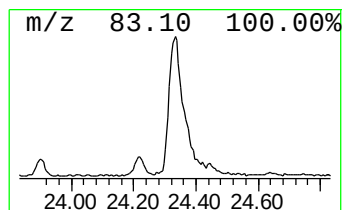
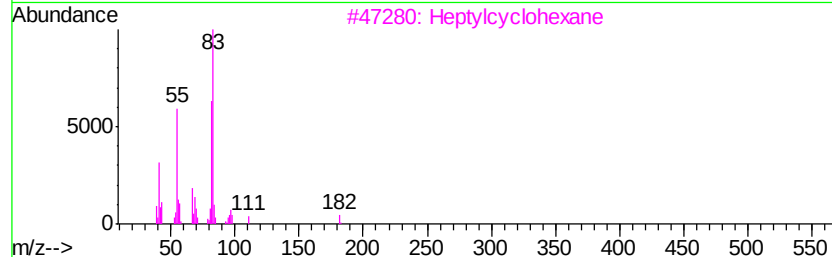
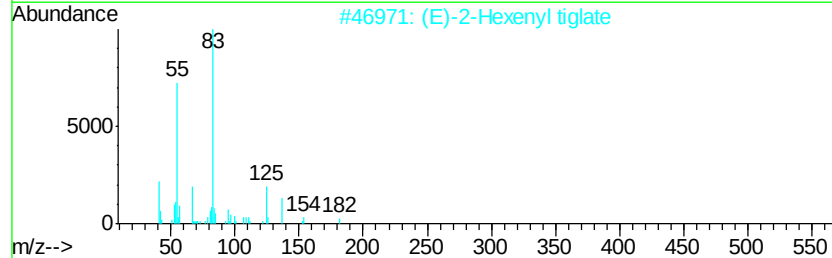
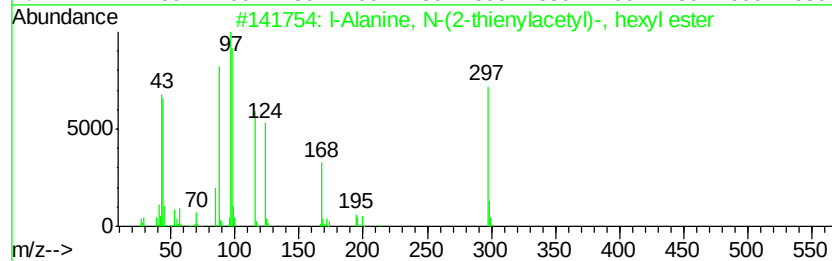
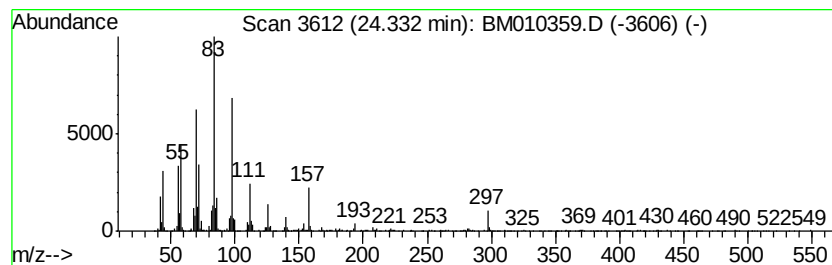
Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 l-Alanine, N-(2-thienylacet... Concentration Rank 1

| R.T.    | EstConc     | Area                                | Relative to ISTD | R.T.       |              |      |
|---------|-------------|-------------------------------------|------------------|------------|--------------|------|
| 24.33   | 18.58 ng/ul | 5265820                             | Perylene-d12     | 23.81      |              |      |
| Hit# of | 5           | Tentative ID                        | MW               | MolForm    | CAS#         | Qual |
| 1       |             | l-Alanine, N-(2-thienylacetyl)-,... | 297              | C15H23N03S | 1000314-06-1 | 60   |
| 2       |             | (E)-2-Hexenyl tiglate               | 182              | C11H18O2   | 1000131-83-6 | 38   |
| 3       |             | Heptylcyclohexane                   | 182              | C13H26     | 005617-41-4  | 35   |
| 4       |             | 1-Nonadecene                        | 266              | C19H38     | 018435-45-5  | 30   |
| 5       |             | Oxalic acid, cyclohexyl decyl ester | 312              | C18H32O4   | 1000309-31-2 | 27   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
Data File : BM010359.D  
Acq On : 01 Jun 2017 17:24  
Operator : SJ/MA  
Sample : I3163-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHSF9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.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  | 18.15 | 7.0     | ng/ul | 1377710  | 4                     | 17.30 | 3955740 | 20.0 |
| Methyl 2-hydroxy-... | 18.45 | 2.1     | ng/ul | 426036   | 4                     | 17.30 | 3955740 | 20.0 |
| Tetradecanoic acid   | 19.42 | 2.1     | ng/ul | 603152   | 5                     | 21.46 | 5605330 | 20.0 |
| (DEL) Alkane: Cyc... | 21.13 | 6.5     | ng/ul | 1834820  | 5                     | 21.46 | 5605330 | 20.0 |
| Tridecane, 1-iodo-   | 21.98 | 3.8     | ng/ul | 1076790  | 5                     | 21.46 | 5605330 | 20.0 |
| Phenol, 2-(2H-ben... | 22.04 | 10.2    | ng/ul | 2859550  | 5                     | 21.46 | 5605330 | 20.0 |
| 16-Heptadecenal      | 22.71 | 2.8     | ng/ul | 792386   | 6                     | 23.81 | 5667870 | 20.0 |
| (DEL) Alkane: Str... | 22.97 | 10.1    | ng/ul | 2863390  | 6                     | 23.81 | 5667870 | 20.0 |
| (DEL) Alkane: Cyc... | 23.06 | 6.0     | ng/ul | 1702720  | 6                     | 23.81 | 5667870 | 20.0 |
| (DEL) Alkane: Str... | 24.22 | 5.8     | ng/ul | 1645080  | 6                     | 23.81 | 5667870 | 20.0 |
| l-Alanine, N-(2-t... | 24.33 | 18.6    | ng/ul | 5265820  | 6                     | 23.81 | 5667870 | 20.0 |