

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060917\  
 Data File : BM010460.D  
 Acq On : 09 Jun 2017 19:04  
 Operator : SJ/MA  
 Sample : I3520-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F5A40

## 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         | 6.546       | 581           | 588         | 595          | rBV3     | 73455          | 120744        | 1.73%           | 0.167%        |
| 2         | 7.087       | 674           | 680         | 696          | rBV      | 789648         | 1366541       | 19.59%          | 1.886%        |
| 3         | 7.245       | 700           | 707         | 715          | rBV      | 562356         | 883731        | 12.67%          | 1.220%        |
| 4         | 7.440       | 731           | 740         | 750          | rBV      | 945093         | 1530039       | 21.94%          | 2.112%        |
| 5         | 7.904       | 810           | 819         | 831          | rVB      | 1094787        | 1733915       | 24.86%          | 2.393%        |
| 6         | 8.622       | 933           | 941         | 958          | rBV      | 971193         | 1669890       | 23.94%          | 2.305%        |
| 7         | 9.087       | 1013          | 1020        | 1028         | rBV      | 858243         | 1417938       | 20.33%          | 1.957%        |
| 8         | 9.798       | 1135          | 1141        | 1152         | rBV      | 817311         | 1365558       | 19.58%          | 1.885%        |
| 9         | 10.328      | 1225          | 1231        | 1245         | rBV      | 1256543        | 2206513       | 31.63%          | 3.045%        |
| 10        | 10.704      | 1288          | 1295        | 1305         | rBV      | 1344023        | 2293818       | 32.89%          | 3.166%        |
| 11        | 10.869      | 1315          | 1323        | 1337         | rBV      | 981801         | 1795706       | 25.74%          | 2.478%        |
| 12        | 13.369      | 1742          | 1748        | 1753         | rBV5     | 80983          | 143683        | 2.06%           | 0.198%        |
| 13        | 13.822      | 1818          | 1825        | 1830         | rBV      | 517233         | 737310        | 10.57%          | 1.018%        |
| 14        | 13.957      | 1842          | 1848        | 1852         | rBV      | 2499654        | 3535126       | 50.68%          | 4.879%        |
| 15        | 13.998      | 1852          | 1855        | 1862         | rVB      | 895255         | 1216122       | 17.44%          | 1.678%        |
| 16        | 14.239      | 1888          | 1896        | 1905         | rBV      | 2598137        | 3782824       | 54.23%          | 5.221%        |
| 17        | 14.539      | 1940          | 1947        | 1958         | rBV2     | 2186530        | 3423465       | 49.08%          | 4.725%        |
| 18        | 14.780      | 1979          | 1988        | 2000         | rBV      | 777825         | 1384205       | 19.84%          | 1.910%        |
| 19        | 15.321      | 2076          | 2080        | 2083         | rVB3     | 65354          | 85210         | 1.22%           | 0.118%        |
| 20        | 15.533      | 2108          | 2116        | 2123         | rBV      | 3492547        | 5002420       | 71.72%          | 6.904%        |
| 21        | 15.657      | 2131          | 2137        | 2143         | rBV      | 1139045        | 1433158       | 20.55%          | 1.978%        |
| 22        | 15.768      | 2151          | 2156        | 2162         | rVB3     | 58647          | 91852         | 1.32%           | 0.127%        |
| 23        | 16.180      | 2215          | 2226        | 2232         | rBV4     | 79688          | 190503        | 2.73%           | 0.263%        |
| 24        | 17.286      | 2408          | 2414        | 2423         | rBV      | 3135821        | 4309114       | 61.78%          | 5.947%        |
| 25        | 17.386      | 2425          | 2431        | 2440         | rBV      | 4221982        | 5772101       | 82.75%          | 7.966%        |
| 26        | 18.133      | 2553          | 2558        | 2571         | rBV2     | 540246         | 838118        | 12.02%          | 1.157%        |
| 27        | 19.292      | 2749          | 2755        | 2756         | rBV6     | 84891          | 127563        | 1.83%           | 0.176%        |
| 28        | 19.404      | 2771          | 2774        | 2779         | rBV4     | 238781         | 321866        | 4.61%           | 0.444%        |
| 29        | 19.562      | 2796          | 2801        | 2806         | rVB5     | 48688          | 88196         | 1.26%           | 0.122%        |
| 30        | 19.674      | 2814          | 2820        | 2827         | rBV      | 5281570        | 6975165       | 100.00%         | 9.626%        |
| 31        | 20.192      | 2905          | 2908        | 2913         | rVB5     | 96895          | 118594        | 1.70%           | 0.164%        |
| 32        | 20.992      | 3040          | 3044        | 3050         | rVB      | 743330         | 789168        | 11.31%          | 1.089%        |
| 33        | 21.109      | 3060          | 3064        | 3071         | rBV8     | 209802         | 427365        | 6.13%           | 0.590%        |
| 34        | 21.450      | 3117          | 3122        | 3128         | rBV      | 4221665        | 5102418       | 73.15%          | 7.042%        |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060917\  
Data File : BM010460.D  
Acq On : 09 Jun 2017 19:04  
Operator : SJ/MA  
Sample : I3520-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F5A40

## 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 | 23.644 | 3488 | 3495 | 3505 | rVB2 | 3033955 | 5880752 | 84.31% | 8.116% |
| 36 | 23.791 | 3514 | 3520 | 3529 | rVB  | 2214588 | 4299416 | 61.64% | 5.933% |

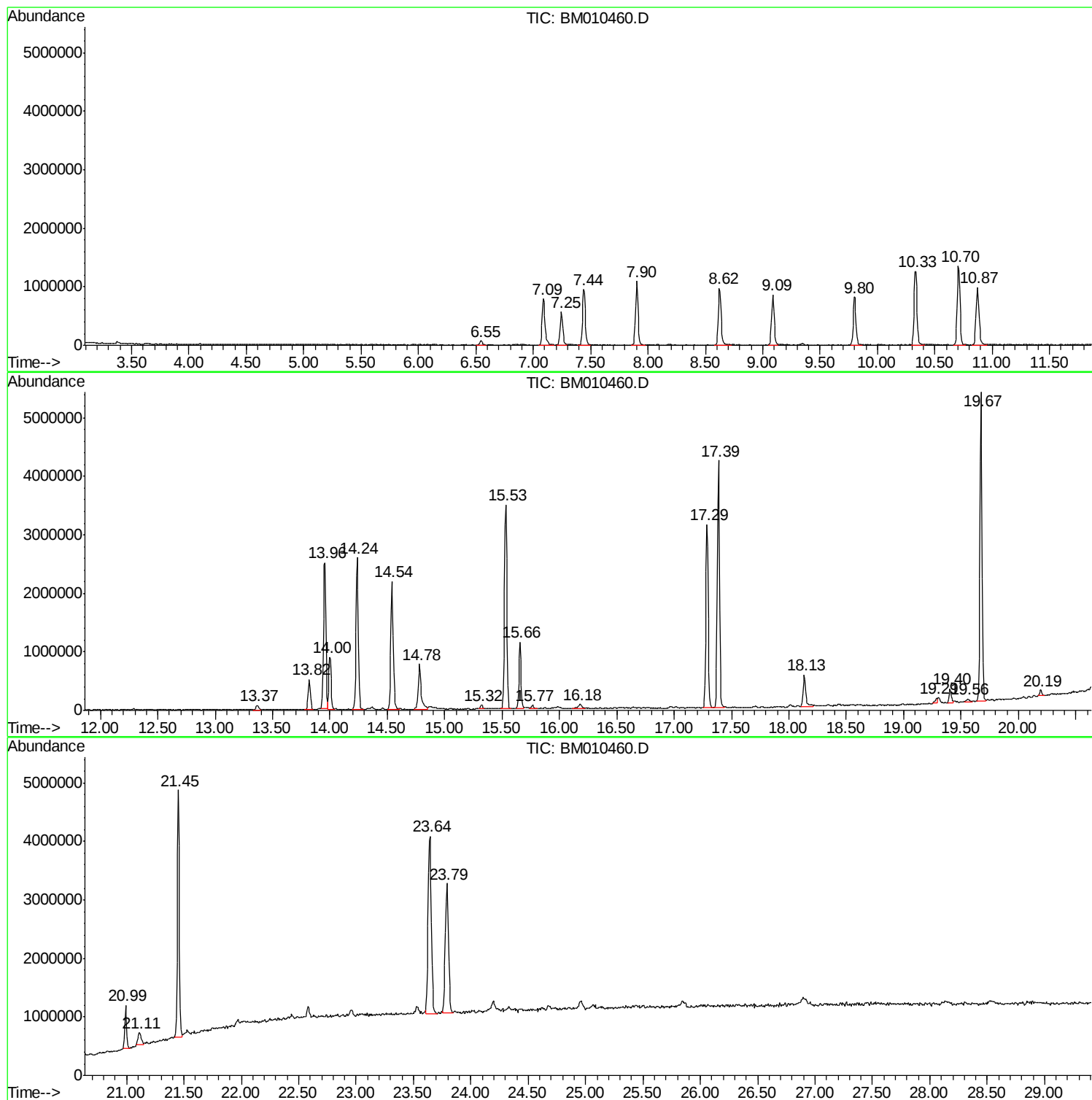
Sum of corrected areas: 72460107

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060917\  
Data File : BM010460.D  
Acq On : 09 Jun 2017 19:04  
Operator : SJ/MA  
Sample : I3520-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
F5A40

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\BM060917\  
Data File : BM010460.D  
Acq On : 09 Jun 2017 19:04  
Operator : SJ/MA  
Sample : I3520-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

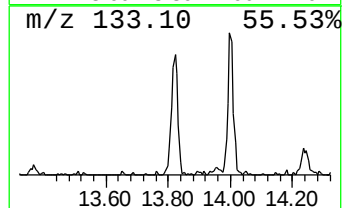
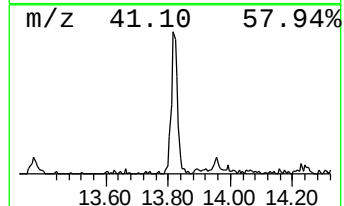
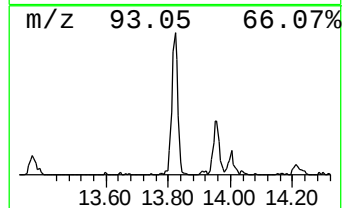
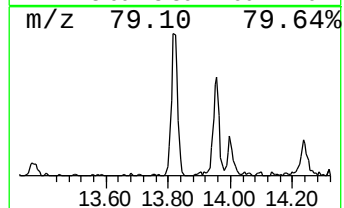
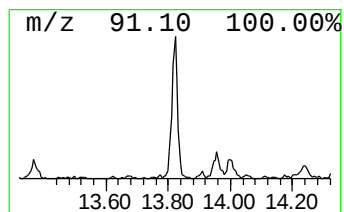
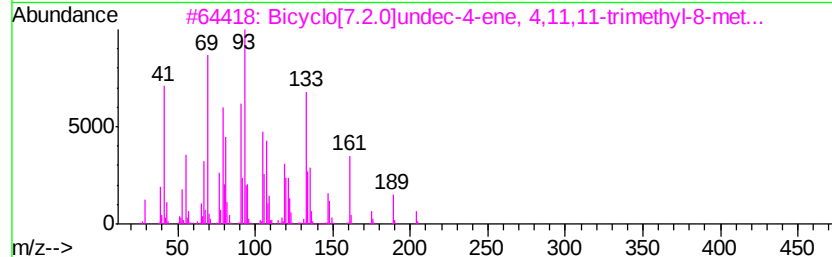
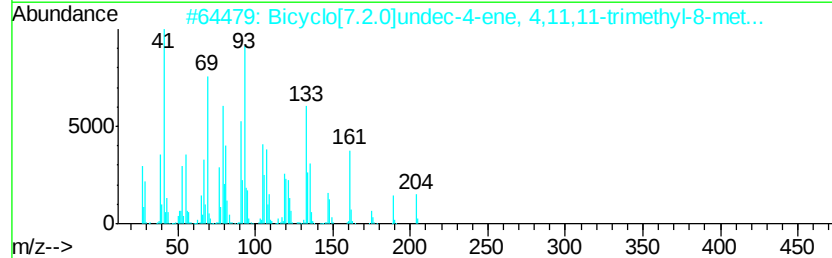
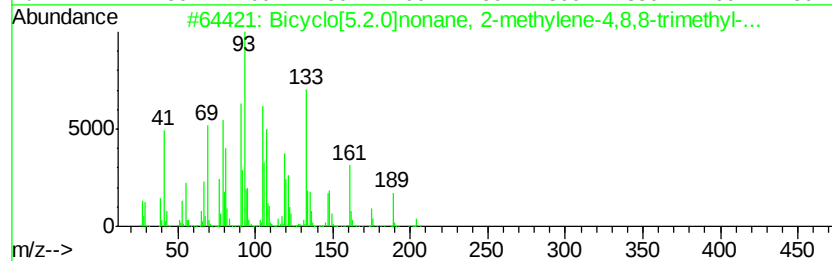
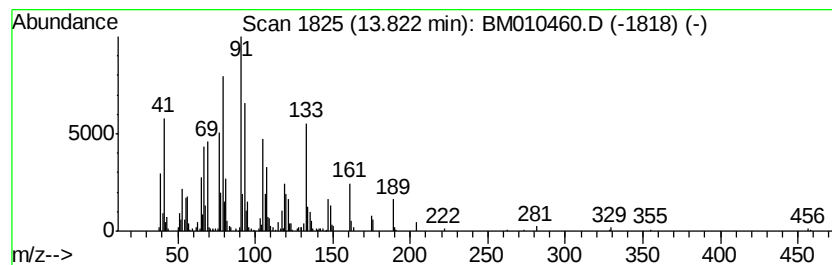
Instrument :  
BNA\_M  
ClientSampleId :  
F5A40

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 Bicyclo[5.2.0]nonane, 2-met... Concentration Rank 1

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.           |
|---------|------------|-------------------------------------|------------------|----------------|
| 13.82   | 4.31 ng/ul | 737310                              | Acenaphthene-d10 | 14.54          |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |            | Bicyclo[5.2.0]nonane, 2-methylen... | 204 C15H24       | 242794-76-9 96 |
| 2       |            | Bicyclo[7.2.0]undec-4-ene, 4,11,... | 204 C15H24       | 000118-65-0 78 |
| 3       |            | Bicyclo[7.2.0]undec-4-ene, 4,11,... | 204 C15H24       | 013877-93-5 64 |
| 4       |            | Caryophyllene                       | 204 C15H24       | 000087-44-5 64 |
| 5       |            | Bicyclo[7.2.0]undec-4-ene, 4,11,... | 204 C15H24       | 013877-93-5 64 |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060917\  
Data File : BM010460.D  
Acq On : 09 Jun 2017 19:04  
Operator : SJ/MA  
Sample : I3520-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F5A40

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

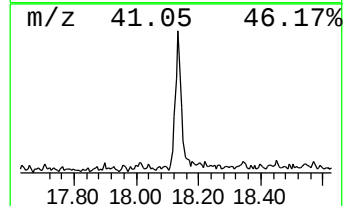
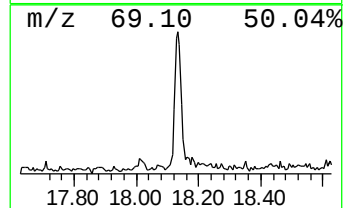
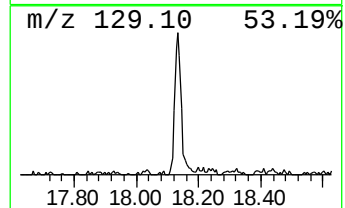
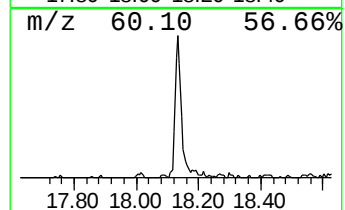
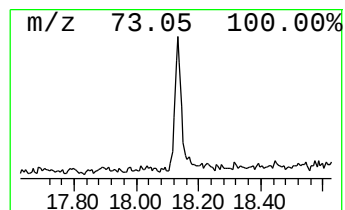
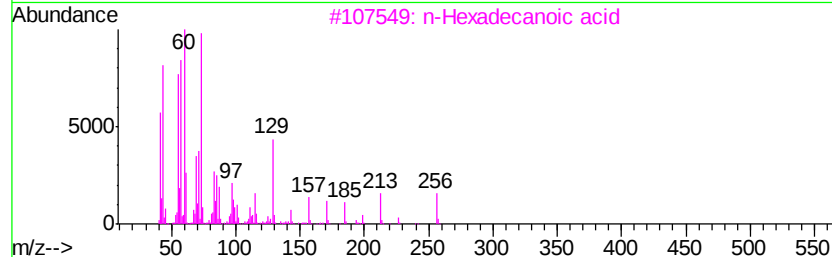
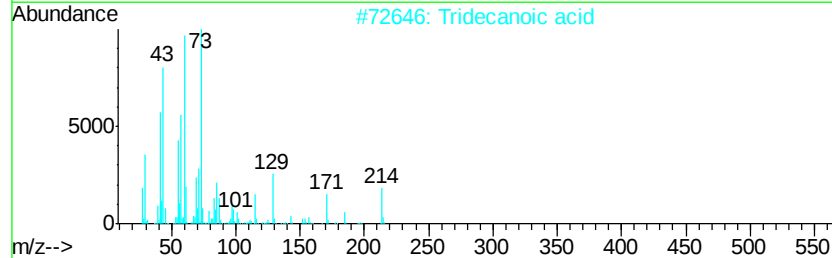
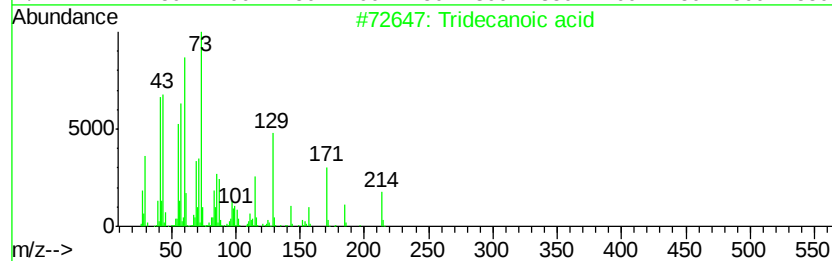
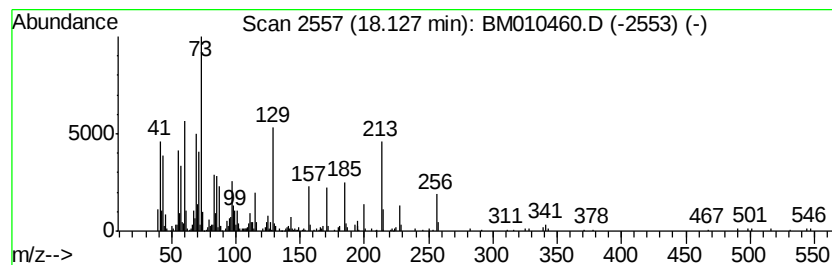
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Tridecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.13 | 3.89 ng/ul | 838118 | Phenanthrene-d10 | 17.29 |

| Hit# of | 5                   | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|---------------------|--------------|----------|-------------|------|------|
| 1       | Tridecanoic acid    | 214          | C13H26O2 | 000638-53-9 | 92   |      |
| 2       | Tridecanoic acid    | 214          | C13H26O2 | 000638-53-9 | 89   |      |
| 3       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 78   |      |
| 4       | Tridecanoic acid    | 214          | C13H26O2 | 000638-53-9 | 70   |      |
| 5       | Tetradecanoic acid  | 228          | C14H28O2 | 000544-63-8 | 50   |      |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060917\  
Data File : BM010460.D  
Acq On : 09 Jun 2017 19:04  
Operator : SJ/MA  
Sample : I3520-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

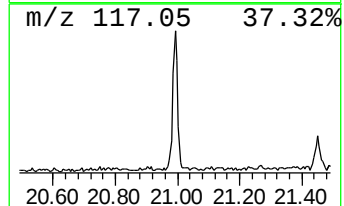
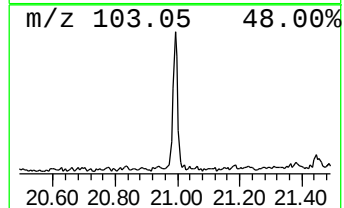
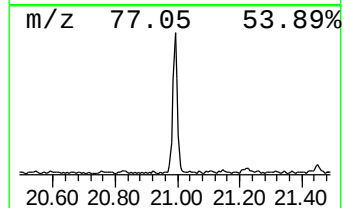
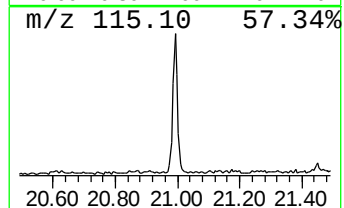
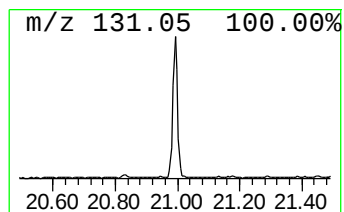
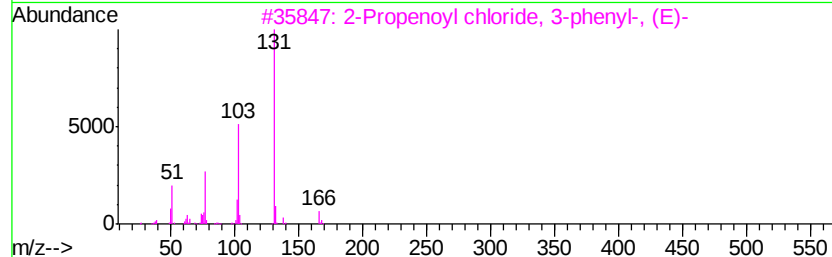
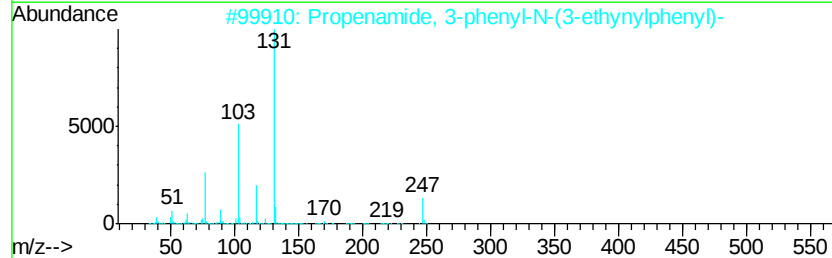
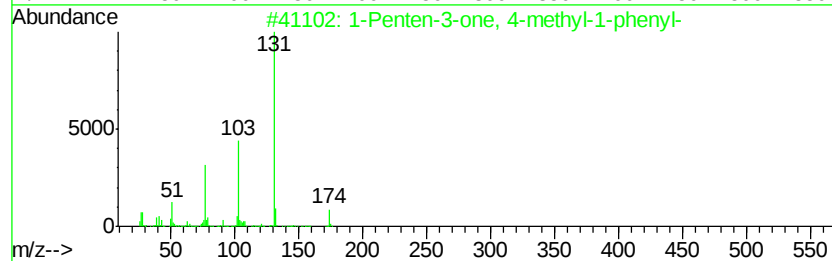
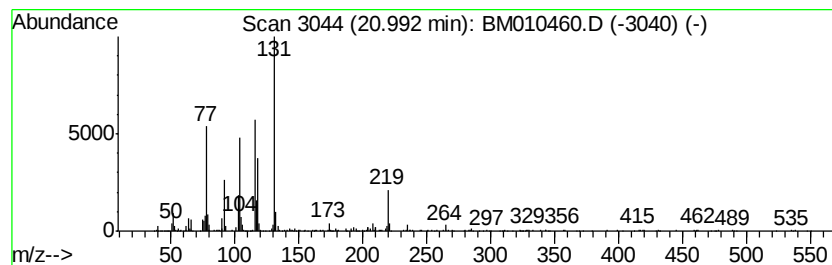
Instrument :  
BNA\_M  
ClientSampleId :  
F5A40

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 unknown-01 Concentration Rank 3

| R.T.      | EstConc                              | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------------------------|--------|------------------|-------------|------|
| 20.99     | 3.09 ng/ul                           | 789168 | Chrysene-d12     | 21.45       |      |
| Hit# of 5 | Tentative ID                         | MW     | MolForm          | CAS#        | Qual |
| 1         | 1-Penten-3-one, 4-methyl-1-phenyl-   | 174    | C12H14O          | 003160-32-5 | 47   |
| 2         | Propenamide, 3-phenyl-N-(3-ethyn...  | 247    | C17H13NO         | 294667-02-0 | 47   |
| 3         | 2-Propenoyl chloride, 3-phenyl-, ... | 166    | C9H7ClO          | 017082-09-6 | 43   |
| 4         | 2-Nitrophenyl cinnamamide            | 268    | C15H12N2O3       | 111273-37-1 | 43   |
| 5         | Vinyl trans-cinnamate                | 174    | C11H10O2         | 017719-70-9 | 43   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060917\  
Data File : BM010460.D  
Acq On : 09 Jun 2017 19:04  
Operator : SJ/MA  
Sample : I3520-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F5A40

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 |
| Bicyclo[5.2.0]non... | 13.82 | 4.3     | ng/ul | 737310   | 3                     | 14.54 | 3423470 | 20.0 |
| Tridecanoic acid     | 18.13 | 3.9     | ng/ul | 838118   | 4                     | 17.29 | 4309110 | 20.0 |
| unknown-01           | 20.99 | 3.1     | ng/ul | 789168   | 5                     | 21.45 | 5102420 | 20.0 |