

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM072618\  
 Data File : BM016086.D  
 Acq On : 26 Jul 2018 23:37  
 Operator : SJ/JU  
 Sample : J4160-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 072418-TIPC-F-D-S

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
 Title : ASP BNA STANDARDS FOR 5 POINT 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         | 5.722       | 408           | 414         | 430          | rBV      | 485396         | 769759        | 17.87%          | 3.473%        |
| 2         | 7.363       | 687           | 693         | 710          | rBV      | 321430         | 558342        | 12.97%          | 2.519%        |
| 3         | 7.728       | 749           | 755         | 768          | rBV      | 1054718        | 1674195       | 38.88%          | 7.554%        |
| 4         | 8.204       | 830           | 836         | 849          | rBB      | 303669         | 489890        | 11.38%          | 2.210%        |
| 5         | 8.528       | 884           | 891         | 903          | rBV      | 1498258        | 2354916       | 54.68%          | 10.625%       |
| 6         | 9.392       | 1031          | 1038        | 1051         | rBV      | 1129980        | 1877103       | 43.59%          | 8.470%        |
| 7         | 11.022      | 1309          | 1315        | 1329         | rBV      | 343739         | 589495        | 13.69%          | 2.660%        |
| 8         | 13.457      | 1720          | 1729        | 1740         | rBV      | 2830664        | 3969742       | 92.18%          | 17.912%       |
| 9         | 14.280      | 1864          | 1869        | 1881         | rBB      | 239706         | 322844        | 7.50%           | 1.457%        |
| 10        | 14.833      | 1953          | 1963        | 1970         | rVB2     | 460246         | 721343        | 16.75%          | 3.255%        |
| 11        | 16.098      | 2172          | 2178        | 2186         | rBV      | 69601          | 80873         | 1.88%           | 0.365%        |
| 12        | 16.315      | 2209          | 2215        | 2228         | rBV      | 1515946        | 2011631       | 46.71%          | 9.077%        |
| 13        | 17.562      | 2421          | 2427        | 2437         | rBV      | 567400         | 811961        | 18.85%          | 3.664%        |
| 14        | 18.404      | 2566          | 2570        | 2583         | rBV      | 80198          | 113918        | 2.65%           | 0.514%        |
| 15        | 19.662      | 2780          | 2784        | 2791         | rBV4     | 31038          | 45801         | 1.06%           | 0.207%        |
| 16        | 20.133      | 2858          | 2864        | 2869         | rBV      | 3766763        | 4306449       | 100.00%         | 19.431%       |
| 17        | 21.350      | 3067          | 3071        | 3080         | rBV4     | 80564          | 148019        | 3.44%           | 0.668%        |
| 18        | 21.680      | 3122          | 3127        | 3133         | rBV      | 535978         | 700672        | 16.27%          | 3.161%        |
| 19        | 24.038      | 3523          | 3528        | 3536         | rVB      | 311581         | 615955        | 14.30%          | 2.779%        |

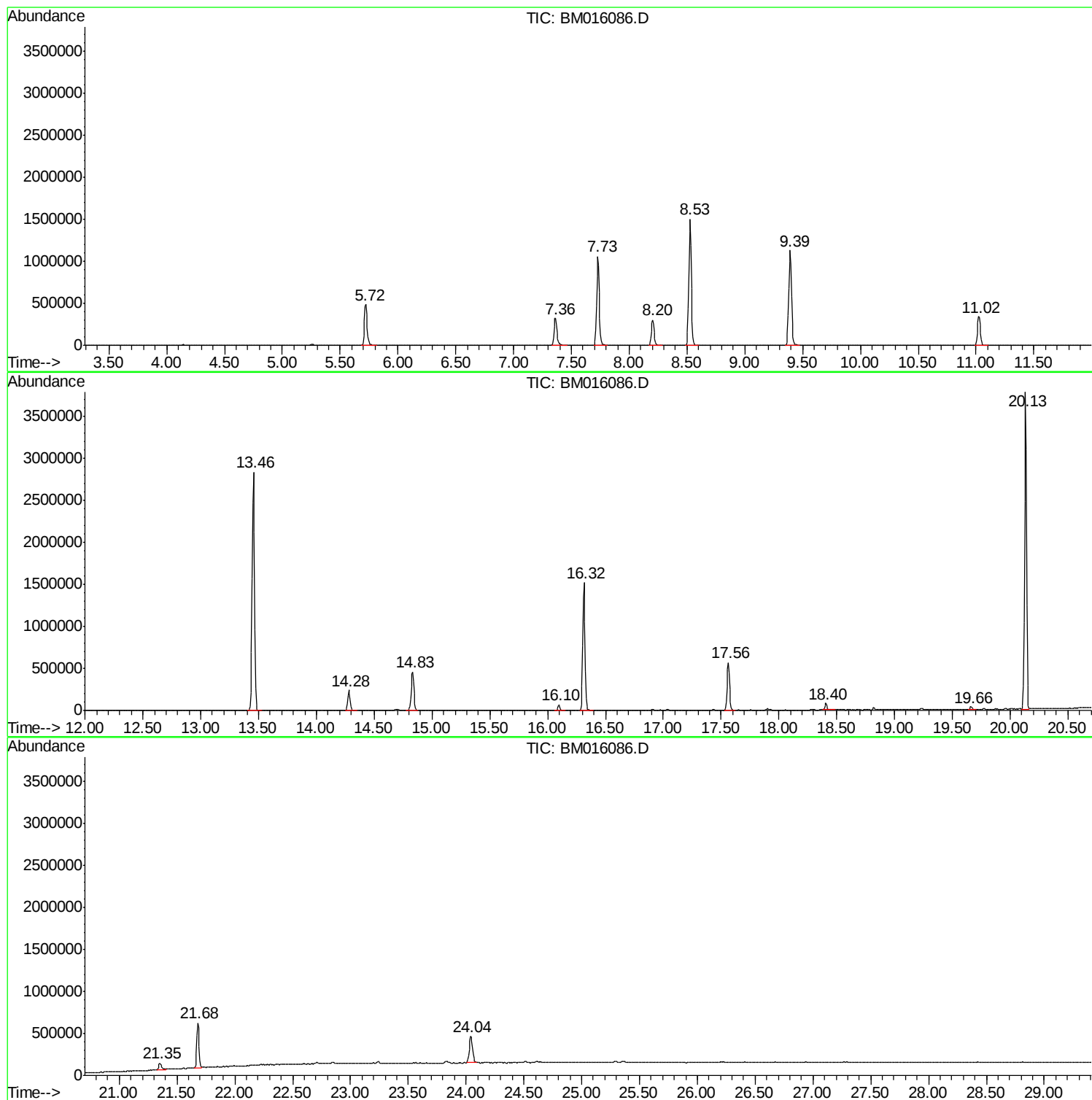
Sum of corrected areas: 22162908

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM072618\  
Data File : BM016086.D  
Acq On : 26 Jul 2018 23:37  
Operator : SJ/JU  
Sample : J4160-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
072418-TIPC-F-D-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM072618\  
Data File : BM016086.D  
Acq On : 26 Jul 2018 23:37  
Operator : SJ/JU  
Sample : J4160-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
072418-TIPC-F-D-S

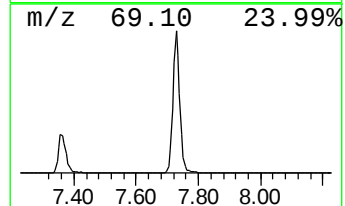
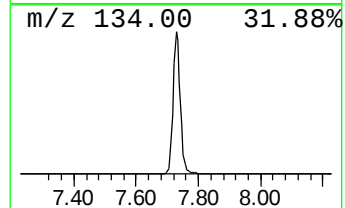
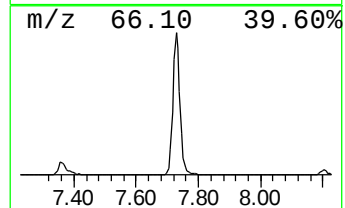
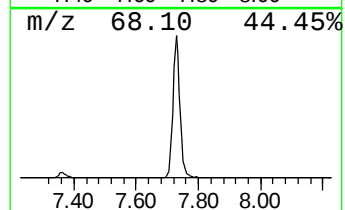
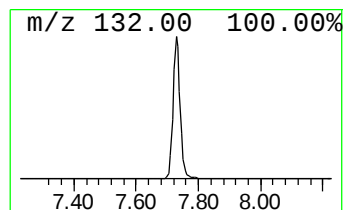
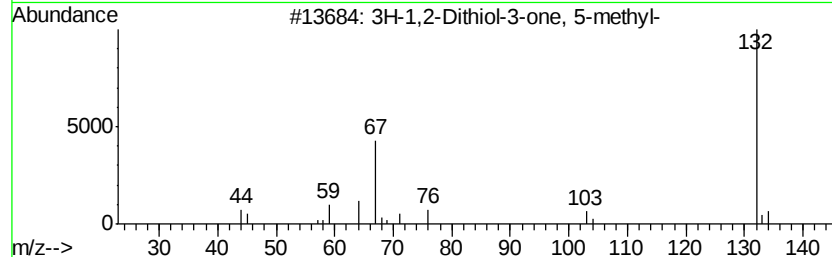
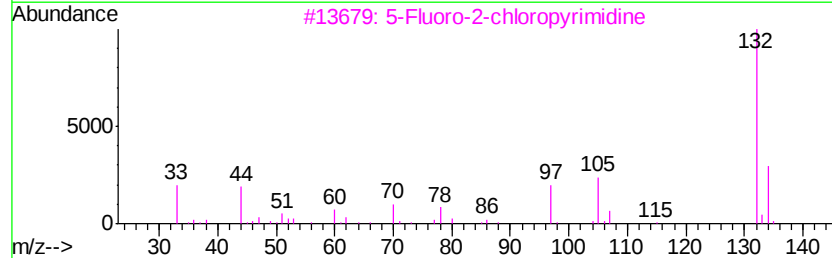
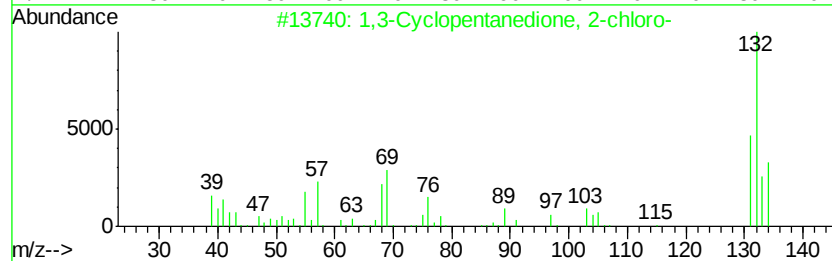
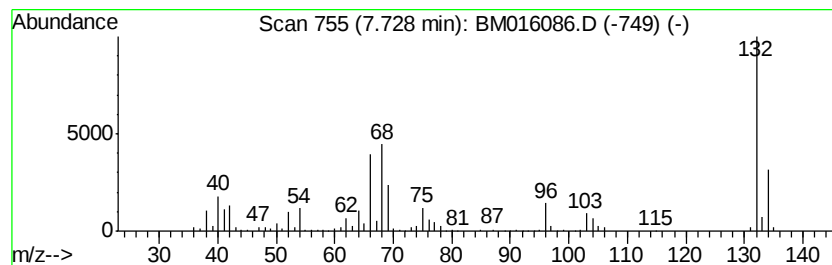
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown7.73 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.73 | 68.35 ng | 1674200 | 1,4-Dichlorobenzene-d4 | 8.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 1,3-Cyclopentanedione, 2-chloro-    | 132 | C5H5ClO2  | 014203-19-1 | 16   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0 | 14   |
| 3    |    | 3H-1,2-Dithiol-3-one, 5-methyl-     | 132 | C4H4OS2   | 003620-08-4 | 14   |
| 4    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5 | 14   |
| 5    |    | Benzene, 1,2,4-trifluoro-           | 132 | C6H3F3    | 000367-23-7 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM072618\  
Data File : BM016086.D  
Acq On : 26 Jul 2018 23:37  
Operator : SJ/JU  
Sample : J4160-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
072418-TIPC-F-D-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

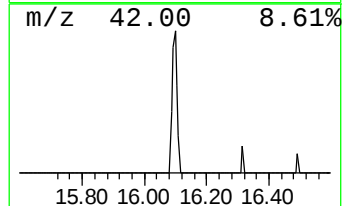
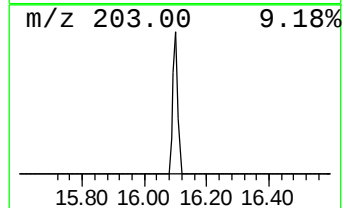
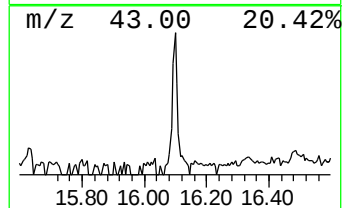
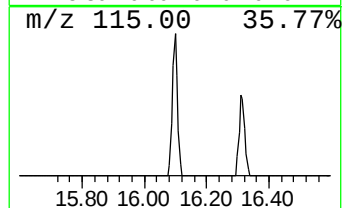
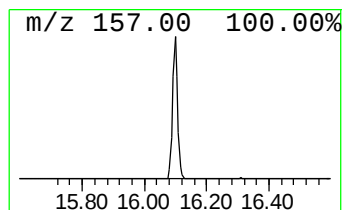
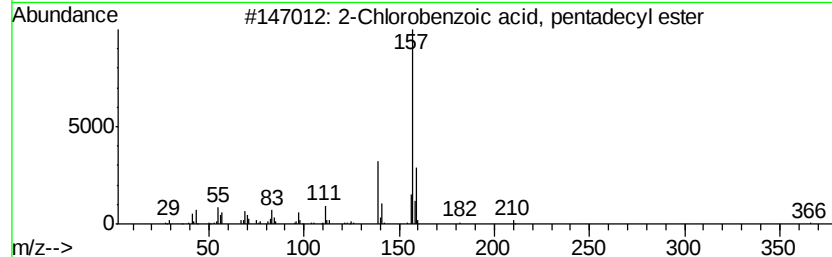
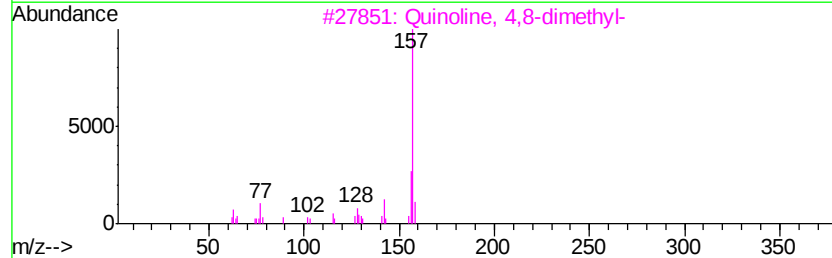
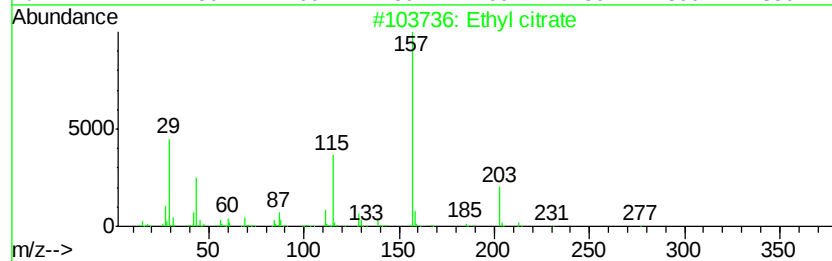
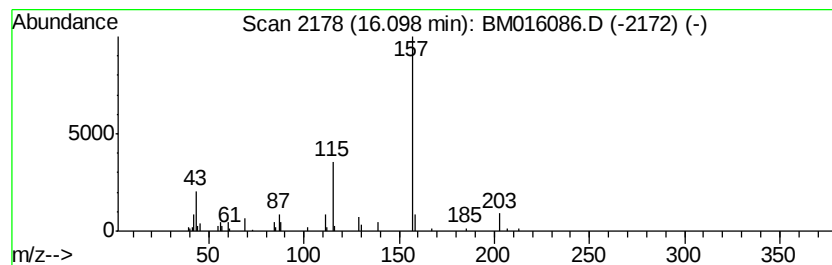
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Ethyl citrate Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.10 | 2.24 ng | 80873 | Acenaphthene-d10 | 14.83 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|---------|---|-------------------------------------|-----|------------|--------------|------|
| 1       |   | Ethyl citrate                       | 276 | C12H20O7   | 000077-93-0  | 86   |
| 2       |   | Quinoline, 4,8-dimethyl-            | 157 | C11H11N    | 013362-80-6  | 40   |
| 3       |   | 2-Chlorobenzoic acid, pentadecyl... | 366 | C22H35ClO2 | 1000292-43-0 | 40   |
| 4       |   | Hexanedioic acid, 3-ethyl-, bis(... | 286 | C16H30O4   | 057983-54-7  | 39   |
| 5       |   | 2-Chlorobenzoic acid, tridecyl e... | 338 | C20H31ClO2 | 1000292-42-8 | 33   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM072618\  
Data File : BM016086.D  
Acq On : 26 Jul 2018 23:37  
Operator : SJ/JU  
Sample : J4160-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
072418-TIPC-F-D-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

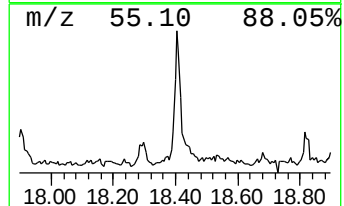
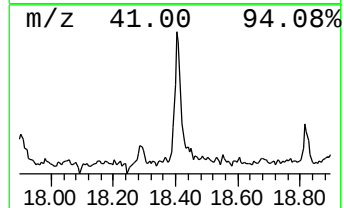
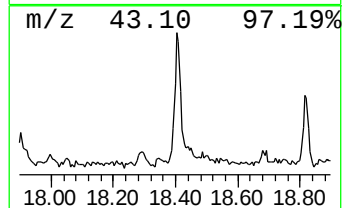
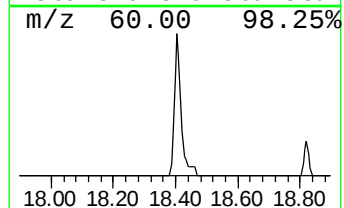
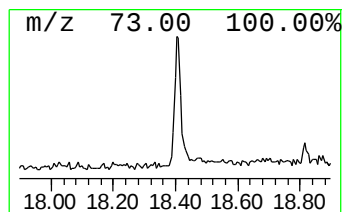
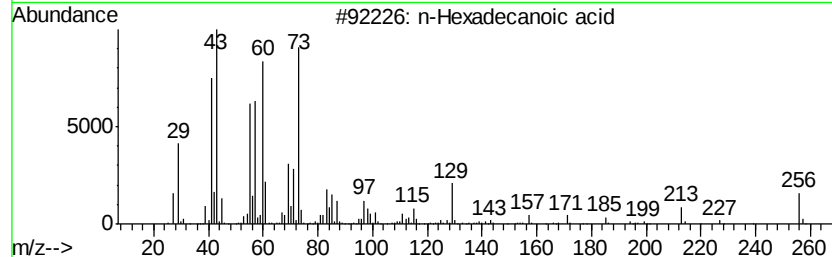
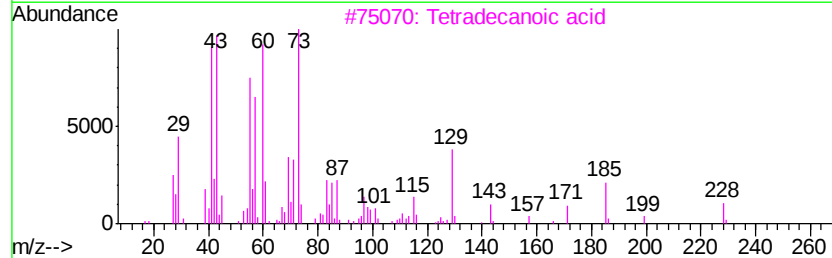
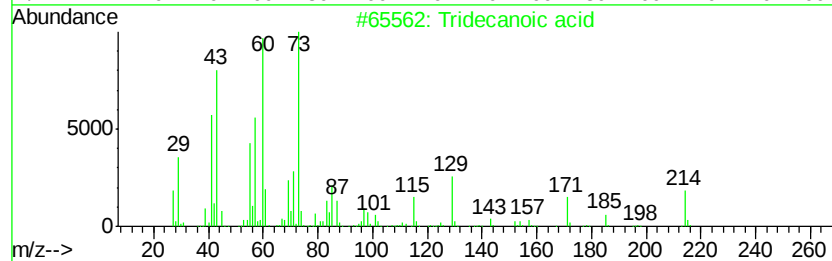
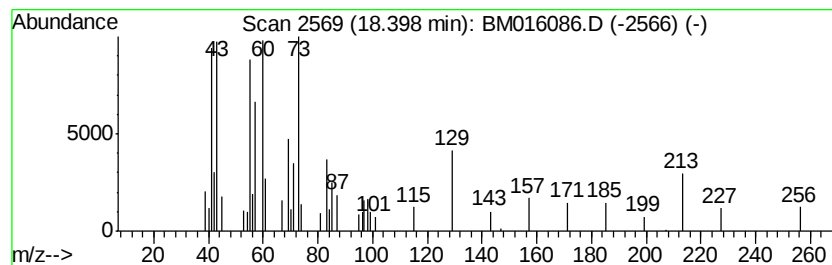
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Tridecanoic acid Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.40 | 2.81 ng | 113918 | Phenanthrene-d10 | 17.56 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 94   |
| 2       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 68   |
| 3       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 58   |
| 4       |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 53   |
| 5       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 47   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM072618\  
Data File : BM016086.D  
Acq On : 26 Jul 2018 23:37  
Operator : SJ/JU  
Sample : J4160-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
072418-TIPC-F-D-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

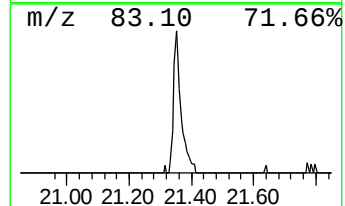
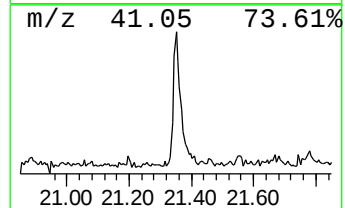
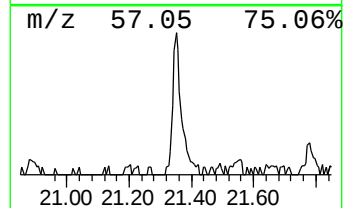
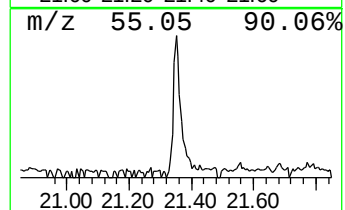
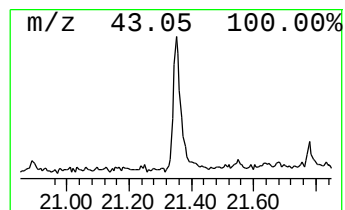
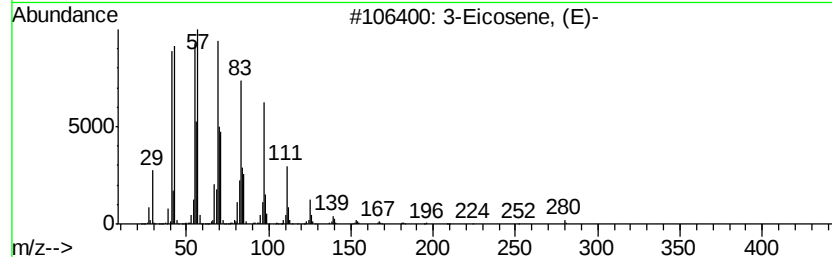
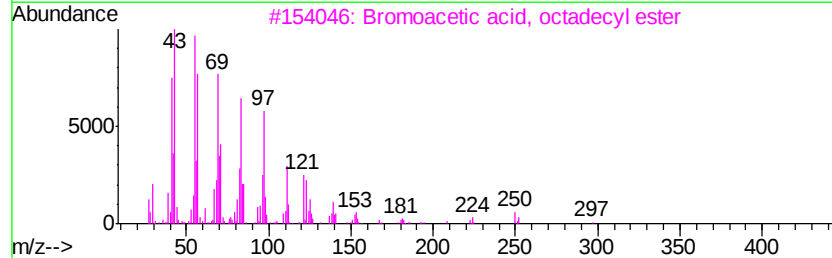
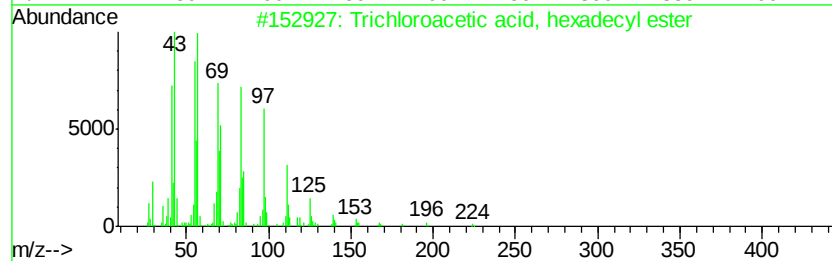
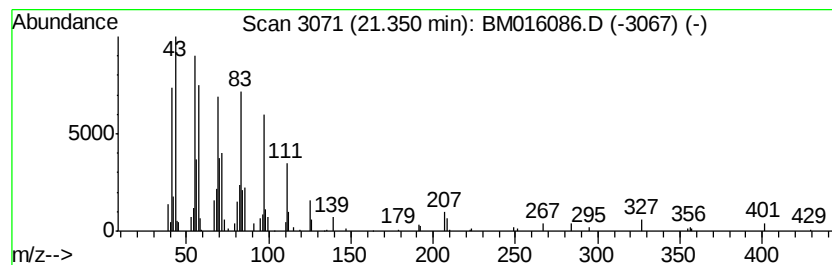
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Trichloroacetic acid, hexad... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.35 | 4.23 ng | 148019 | Chrysene-d12     | 21.68 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 93   |
| 2    |    | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2  | 018992-03-5 | 90   |
| 3    |    | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9 | 90   |
| 4    |    | 1-Docosene                          | 308 | C22H44      | 001599-67-3 | 87   |
| 5    |    | 2-Chloropropionic acid, octadec...  | 360 | C21H41ClO2  | 088104-31-8 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM072618\  
Data File : BM016086.D  
Acq On : 26 Jul 2018 23:37  
Operator : SJ/JU  
Sample : J4160-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
072418-TIPC-F-D-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown7.73          | 7.73  | 68.3    | ng    | 1674200  | 1                     | 8.20  | 489890 | 20.0 |
| Ethyl citrate        | 16.10 | 2.2     | ng    | 80873    | 3                     | 14.83 | 721343 | 20.0 |
| Tridecanoic acid     | 18.40 | 2.8     | ng    | 113918   | 4                     | 17.56 | 811961 | 20.0 |
| Trichloroacetic a... | 21.35 | 4.2     | ng    | 148019   | 5                     | 21.68 | 700672 | 20.0 |