

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\  
 Data File : BG024001.D  
 Acq On : 16 Sep 2016 19:59  
 Operator : UM/SJ  
 Sample : H4802-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BRC001-AT01-AQ002-01

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % 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\_G\METHODS\8270-BG083116.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         | 5.129       | 385           | 390         | 397          | rVB2     | 41210          | 69513         | 1.55%           | 0.299%        |
| 2         | 5.605       | 465           | 471         | 486          | rBV2     | 358074         | 664994        | 14.80%          | 2.861%        |
| 3         | 7.226       | 740           | 747         | 757          | rBV      | 248575         | 462540        | 10.29%          | 1.990%        |
| 4         | 7.585       | 802           | 808         | 819          | rBV      | 830683         | 1458818       | 32.47%          | 6.277%        |
| 5         | 8.055       | 882           | 888         | 897          | rBV      | 192293         | 345074        | 7.68%           | 1.485%        |
| 6         | 8.378       | 936           | 943         | 952          | rBV      | 779660         | 1353667       | 30.13%          | 5.825%        |
| 7         | 9.235       | 1082          | 1089        | 1101         | rBV      | 704936         | 1325803       | 29.51%          | 5.705%        |
| 8         | 10.886      | 1361          | 1370        | 1382         | rBV      | 258656         | 519421        | 11.56%          | 2.235%        |
| 9         | 13.342      | 1780          | 1788        | 1801         | rBV      | 2127838        | 3326904       | 74.04%          | 14.315%       |
| 10        | 14.176      | 1923          | 1930        | 1939         | rBV2     | 212355         | 335849        | 7.47%           | 1.445%        |
| 11        | 14.728      | 2018          | 2024        | 2032         | rBV      | 568057         | 892366        | 19.86%          | 3.840%        |
| 12        | 16.232      | 2273          | 2280        | 2293         | rBV      | 2270471        | 3634021       | 80.88%          | 15.637%       |
| 13        | 16.414      | 2307          | 2311        | 2318         | rVB3     | 32561          | 55363         | 1.23%           | 0.238%        |
| 14        | 17.213      | 2443          | 2447        | 2453         | rBV3     | 33975          | 48995         | 1.09%           | 0.211%        |
| 15        | 17.495      | 2487          | 2495        | 2508         | rBV2     | 810185         | 1313002       | 29.22%          | 5.650%        |
| 16        | 17.959      | 2569          | 2574        | 2581         | rBV5     | 31505          | 49379         | 1.10%           | 0.212%        |
| 17        | 18.364      | 2639          | 2643        | 2651         | rBV      | 122212         | 188918        | 4.20%           | 0.813%        |
| 18        | 19.275      | 2795          | 2798        | 2802         | rVB      | 42788          | 47101         | 1.05%           | 0.203%        |
| 19        | 19.633      | 2855          | 2859        | 2864         | rBV4     | 70334          | 102975        | 2.29%           | 0.443%        |
| 20        | 20.103      | 2933          | 2939        | 2949         | rBV      | 3465384        | 4493127       | 100.00%         | 19.333%       |
| 21        | 20.379      | 2984          | 2986        | 2990         | rVB2     | 57211          | 61188         | 1.36%           | 0.263%        |
| 22        | 21.801      | 3222          | 3228        | 3238         | rBV      | 774028         | 1296665       | 28.86%          | 5.579%        |
| 23        | 25.149      | 3788          | 3798        | 3808         | rVB      | 394197         | 1194540       | 26.59%          | 5.140%        |

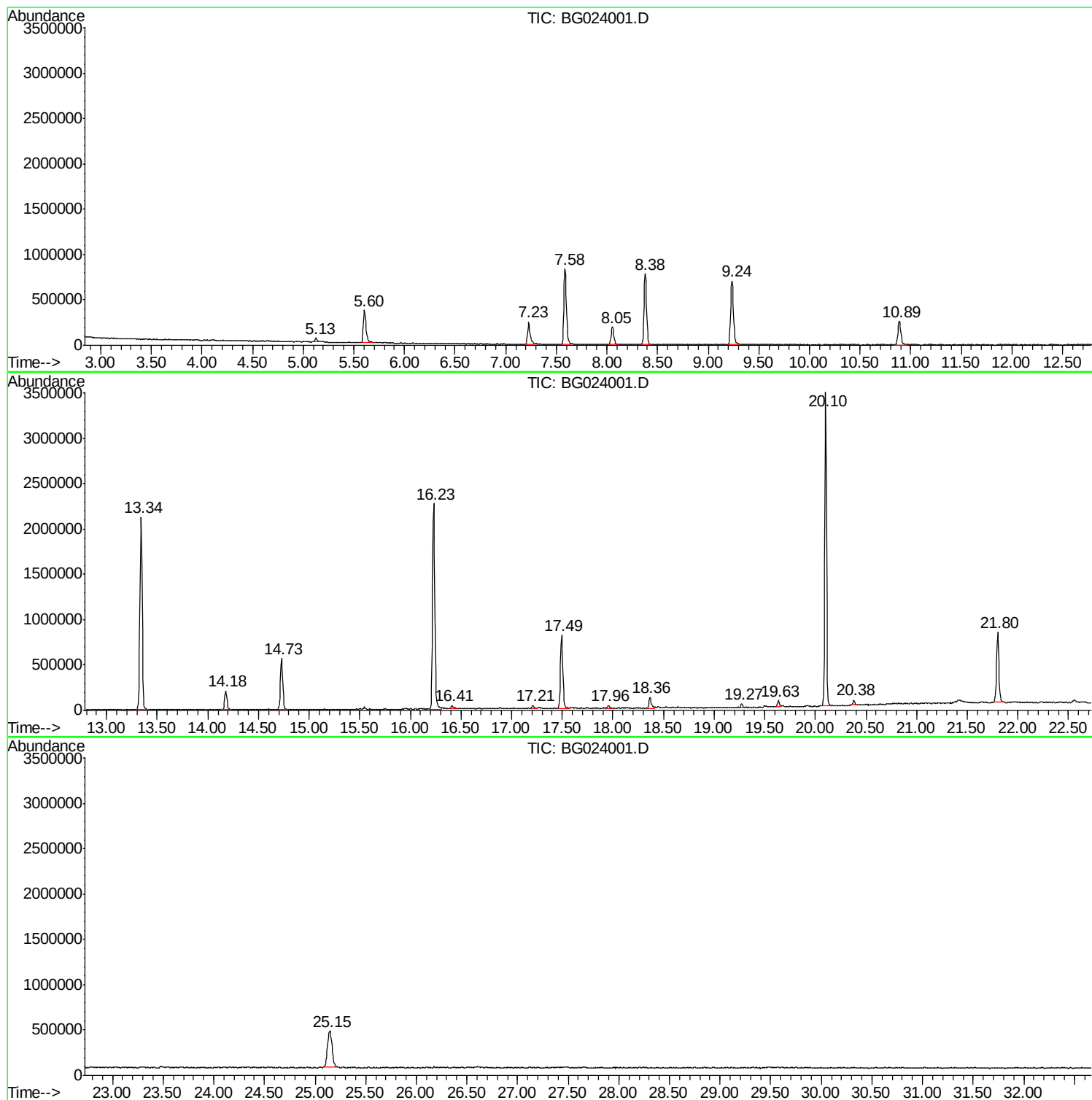
Sum of corrected areas: 23240223

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\  
Data File : BG024001.D  
Acq On : 16 Sep 2016 19:59  
Operator : UM/SJ  
Sample : H4802-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BRC001-AT01-AQ002-01

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\  
Data File : BG024001.D  
Acq On : 16 Sep 2016 19:59  
Operator : UM/SJ  
Sample : H4802-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BRC001-AT01-AQ002-01

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

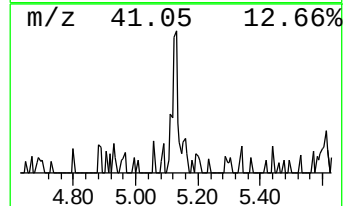
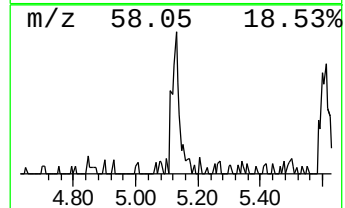
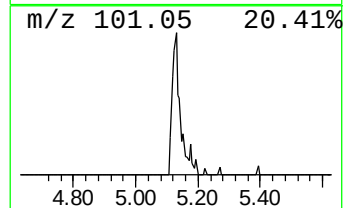
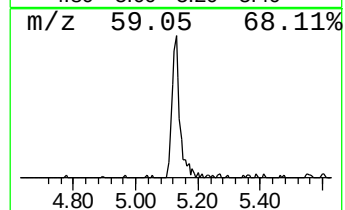
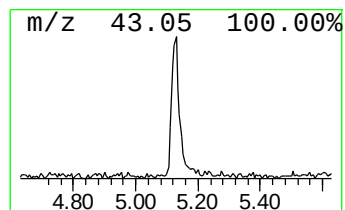
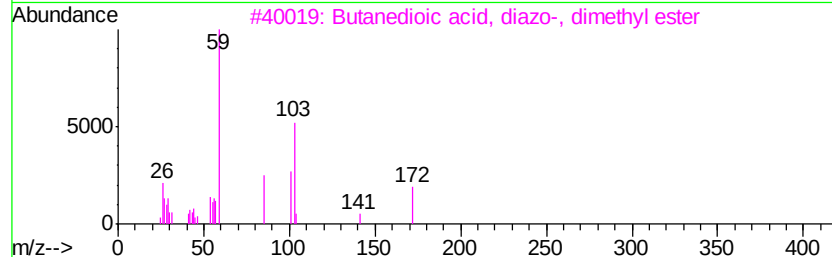
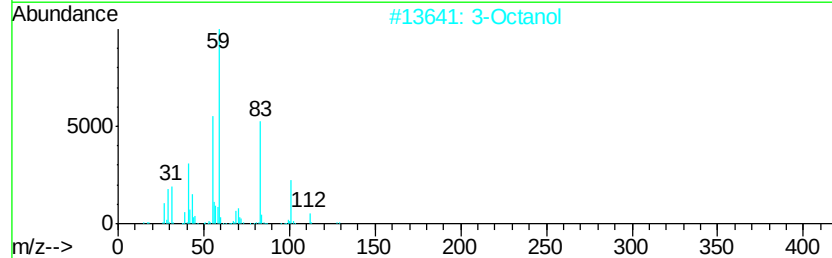
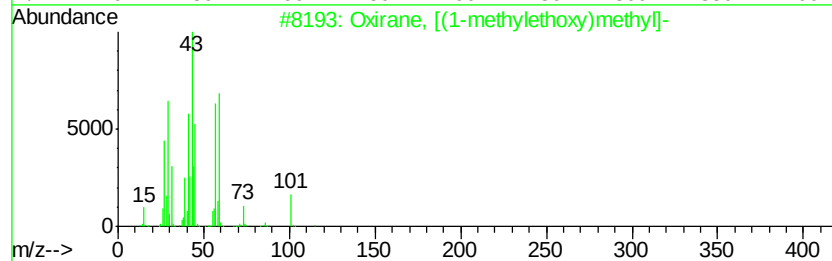
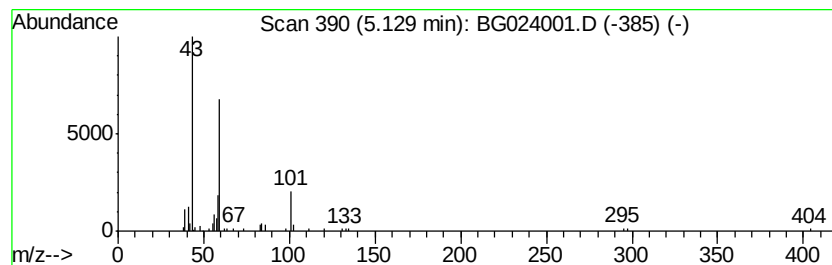
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown5.13 Concentration Rank 3

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.13 | 4.03 ng | 69513 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Oxirane, [(1-methylethoxy)methyl]-  | 116 | C6H12O2  | 004016-14-2 | 39   |
| 2    |    | 3-Octanol                           | 130 | C8H18O   | 000589-98-0 | 28   |
| 3    |    | Butanedioic acid, diazo-, dimeth... | 172 | C6H8N2O4 | 055514-36-8 | 25   |
| 4    |    | 1,3-Dioxolane-2-methanol, 2,4-di... | 132 | C6H12O3  | 053951-43-2 | 23   |
| 5    |    | Propane, 1-ethoxy-2-methyl-         | 102 | C6H14O   | 000627-02-1 | 22   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\  
Data File : BG024001.D  
Acq On : 16 Sep 2016 19:59  
Operator : UM/SJ  
Sample : H4802-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BRC001-AT01-AQ002-01

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

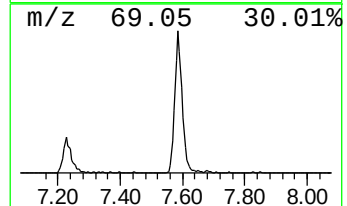
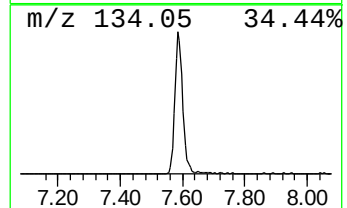
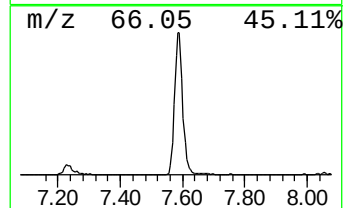
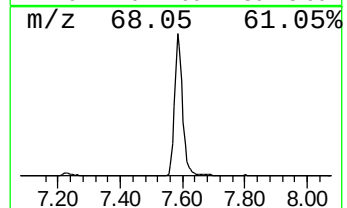
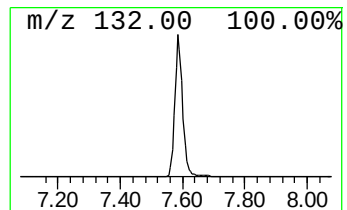
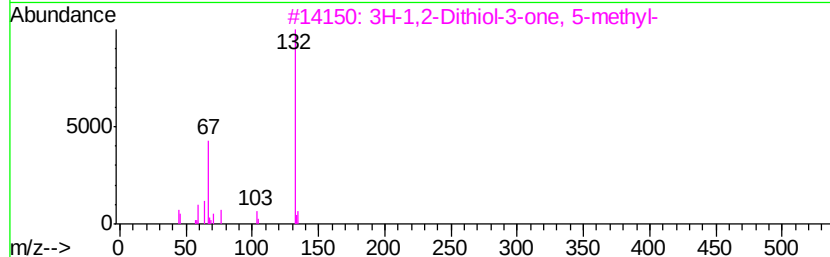
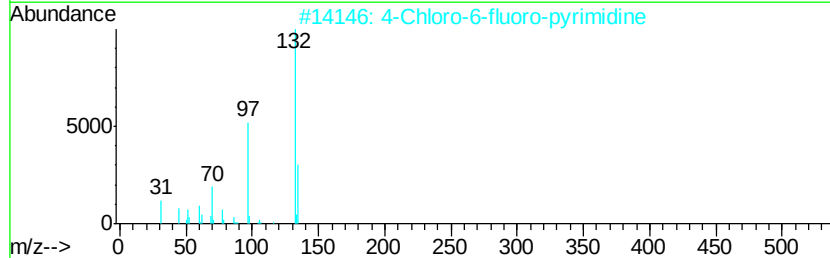
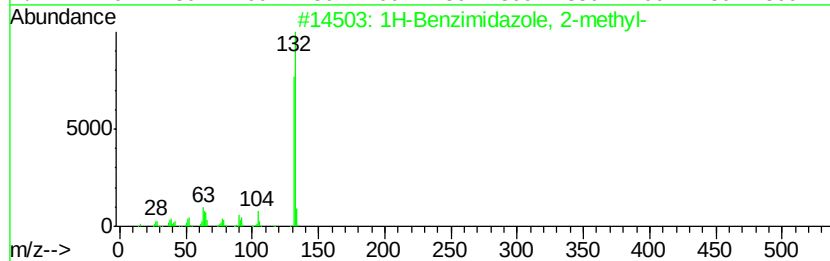
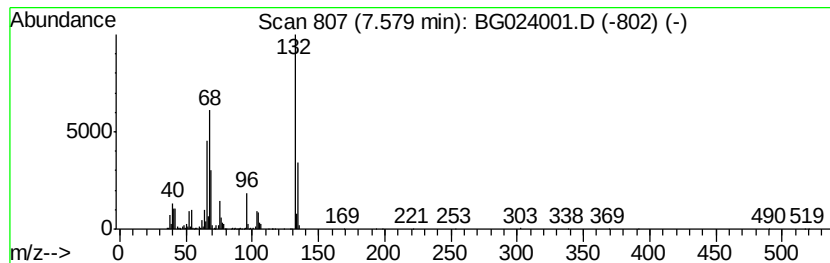
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown7.58 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.58 | 84.55 ng | 1458820 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                    | MW  | MolForm   | CAS#         | Qual |
|------|----|---------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1H-Benzimidazole, 2-methyl-     | 132 | C8H8N2    | 000615-15-6  | 14   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine    | 132 | C4H2ClFN2 | 051422-01-6  | 14   |
| 3    |    | 3H-1,2-Dithiol-3-one, 5-methyl- | 132 | C4H4OS2   | 003620-08-4  | 14   |
| 4    |    | 3-Chloro-6-fluoro-pyrazine      | 132 | C4H2ClFN2 | 1000146-10-7 | 14   |
| 5    |    | Cyclopropanamine, 1-phenyl-     | 133 | C9H11N    | 1000351-26-2 | 10   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\  
Data File : BG024001.D  
Acq On : 16 Sep 2016 19:59  
Operator : UM/SJ  
Sample : H4802-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BRC001-AT01-AQ002-01

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

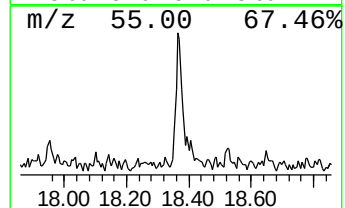
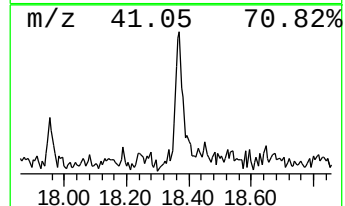
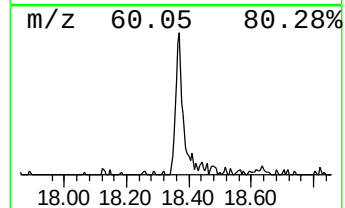
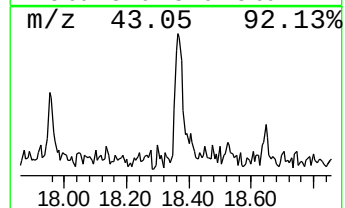
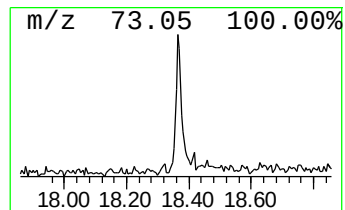
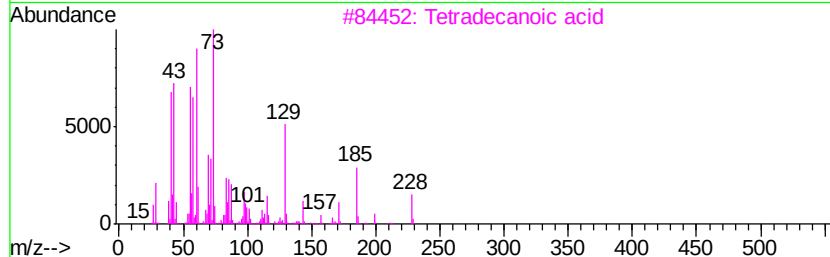
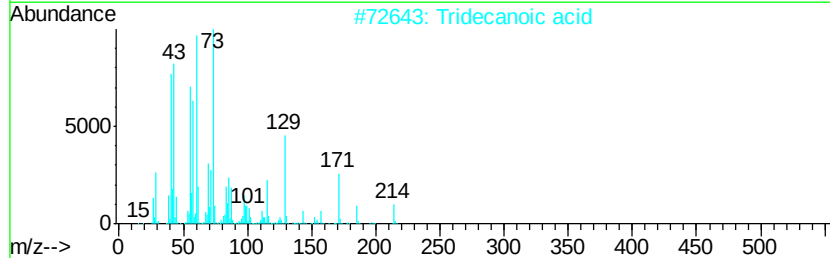
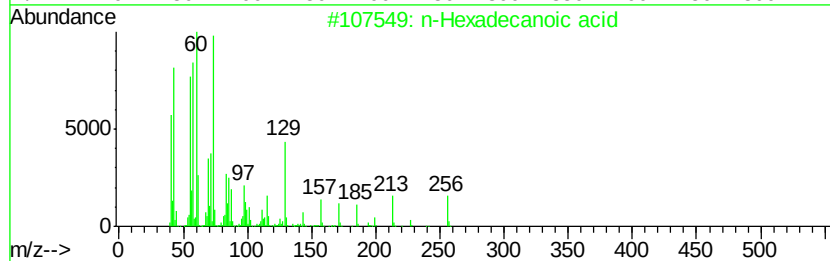
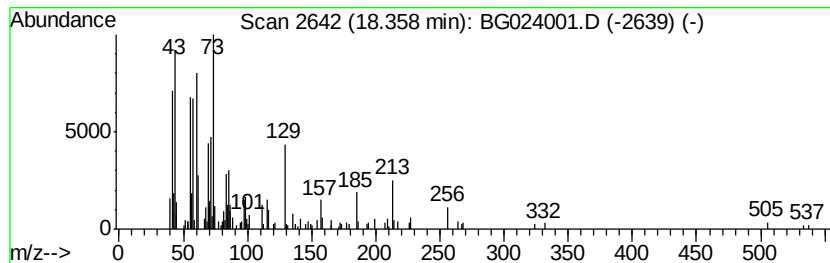
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.36 | 2.88 ng | 188918 | Phenanthrene-d10 | 17.49 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 95   |
| 3       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 62   |
| 4       |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 60   |
| 5       |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 58   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091616\  
Data File : BG024001.D  
Acq On : 16 Sep 2016 19:59  
Operator : UM/SJ  
Sample : H4802-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BRC001-AT01-AQ002-01

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| unknown5.13         | 5.13  | 4.0     | ng    | 69513    | 1                     | 8.05  | 345074  | 20.0 |
| unknown7.58         | 7.58  | 84.5    | ng    | 1458820  | 1                     | 8.05  | 345074  | 20.0 |
| n-Hexadecanoic acid | 18.36 | 2.9     | ng    | 188918   | 4                     | 17.49 | 1313000 | 20.0 |