

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\  
 Data File : BG040828.D  
 Acq On : 9 May 2019 22:56  
 Operator : HP/JU  
 Sample : K2762-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P021-SS004-0612-01

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\_G\METHODS\8270-BG042319.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         | 3.155       | 5             | 11          | 19           | rBV      | 107440         | 190043        | 3.92%           | 0.712%        |
| 2         | 3.226       | 19            | 23          | 34           | rVB      | 216397         | 307477        | 6.34%           | 1.153%        |
| 3         | 5.670       | 432           | 439         | 450          | rBV      | 1105381        | 1746122       | 36.02%          | 6.546%        |
| 4         | 7.280       | 704           | 713         | 727          | rBV      | 1248346        | 2150544       | 44.36%          | 8.062%        |
| 5         | 7.668       | 770           | 779         | 787          | rBV      | 1104590        | 1935510       | 39.93%          | 7.255%        |
| 6         | 8.138       | 853           | 859         | 870          | rBV      | 193084         | 339716        | 7.01%           | 1.273%        |
| 7         | 8.461       | 907           | 914         | 925          | rBV      | 767981         | 1366511       | 28.19%          | 5.123%        |
| 8         | 9.319       | 1052          | 1060        | 1069         | rBV      | 751648         | 1336416       | 27.57%          | 5.010%        |
| 9         | 10.964      | 1329          | 1340        | 1347         | rBV      | 274434         | 484274        | 9.99%           | 1.815%        |
| 10        | 13.396      | 1744          | 1754        | 1764         | rBV      | 1881970        | 3102224       | 63.99%          | 11.629%       |
| 11        | 14.213      | 1887          | 1893        | 1898         | rBV      | 322572         | 465448        | 9.60%           | 1.745%        |
| 12        | 14.771      | 1981          | 1988        | 1996         | rVB2     | 501416         | 792111        | 16.34%          | 2.969%        |
| 13        | 16.252      | 2233          | 2240        | 2254         | rBV      | 1929086        | 3003456       | 61.96%          | 11.259%       |
| 14        | 17.515      | 2447          | 2455        | 2465         | rBV2     | 715140         | 1109697       | 22.89%          | 4.160%        |
| 15        | 18.367      | 2595          | 2600        | 2611         | rBV2     | 237021         | 372237        | 7.68%           | 1.395%        |
| 16        | 19.624      | 2810          | 2814        | 2823         | rBV2     | 59887          | 99103         | 2.04%           | 0.371%        |
| 17        | 20.106      | 2890          | 2896        | 2907         | rBV      | 3647010        | 4847665       | 100.00%         | 18.172%       |
| 18        | 21.416      | 3112          | 3119        | 3135         | rBV4     | 102408         | 437275        | 9.02%           | 1.639%        |
| 19        | 21.792      | 3176          | 3183        | 3194         | rBV2     | 624054         | 1157803       | 23.88%          | 4.340%        |
| 20        | 22.580      | 3312          | 3317        | 3322         | rBV3     | 32199          | 51587         | 1.06%           | 0.193%        |
| 21        | 23.291      | 3433          | 3438        | 3444         | rBV3     | 46128          | 86801         | 1.79%           | 0.325%        |
| 22        | 23.496      | 3466          | 3473        | 3481         | rBV6     | 26052          | 59513         | 1.23%           | 0.223%        |
| 23        | 24.125      | 3573          | 3580        | 3590         | rVB2     | 41483          | 92648         | 1.91%           | 0.347%        |
| 24        | 25.147      | 3740          | 3754        | 3769         | rBV2     | 291167         | 1066006       | 21.99%          | 3.996%        |
| 25        | 26.293      | 3940          | 3949        | 3958         | rVB8     | 27214          | 76400         | 1.58%           | 0.286%        |

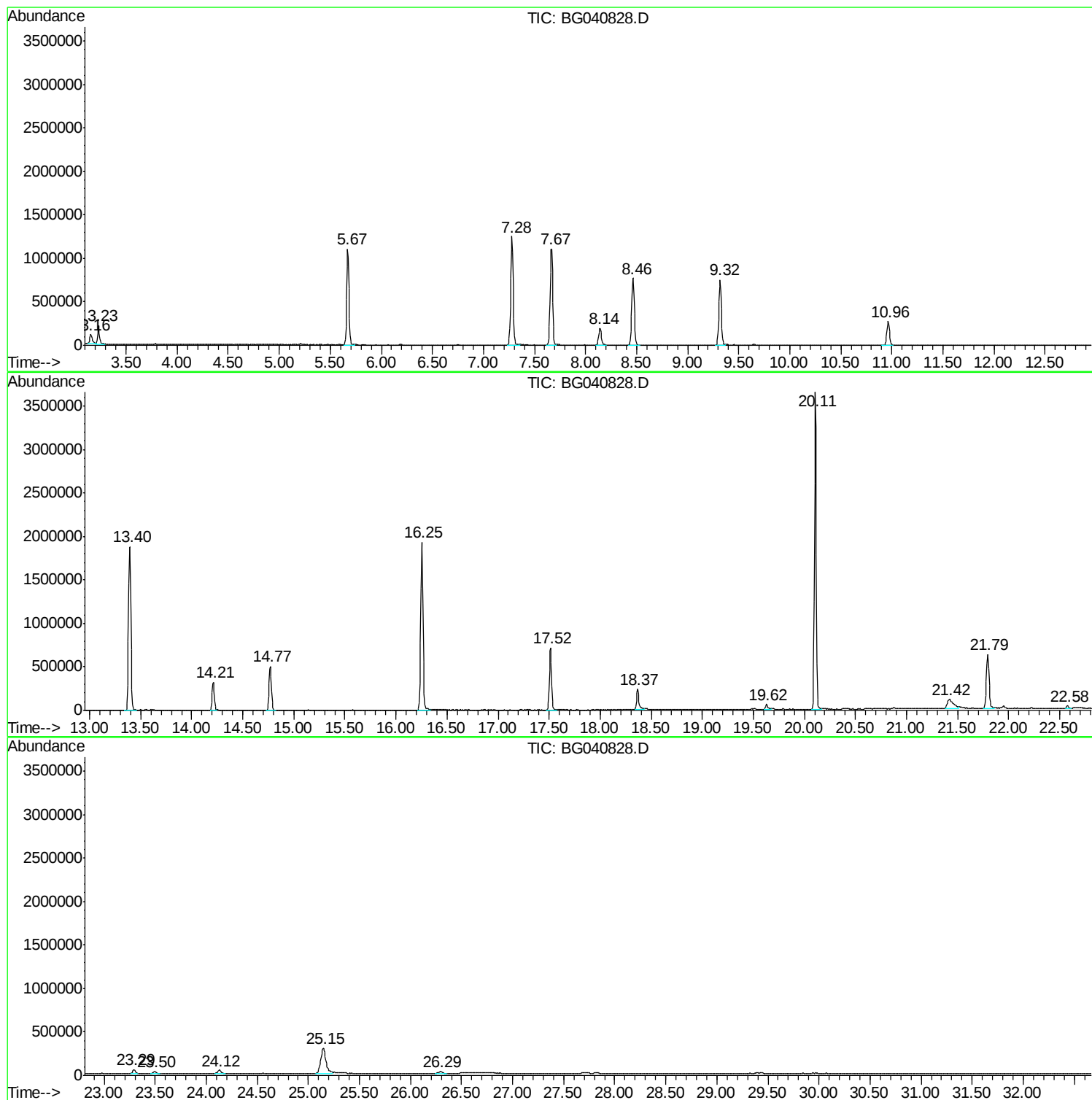
Sum of corrected areas: 26676587

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\  
Data File : BG040828.D  
Acq On : 9 May 2019 22:56  
Operator : HP/JU  
Sample : K2762-21  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P021-SS004-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\  
Data File : BG040828.D  
Acq On : 9 May 2019 22:56  
Operator : HP/JU  
Sample : K2762-21  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P021-SS004-0612-01

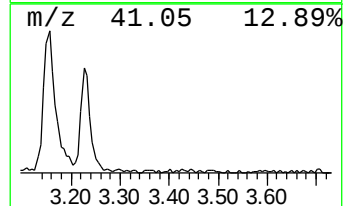
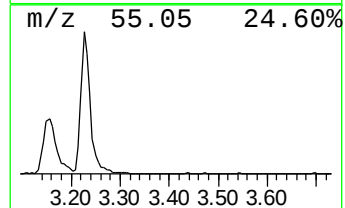
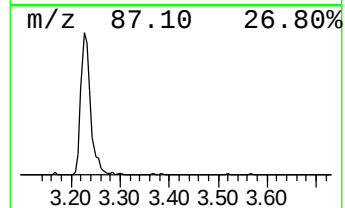
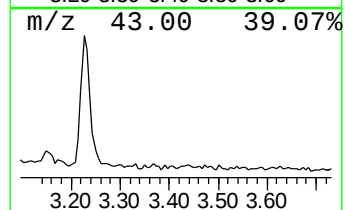
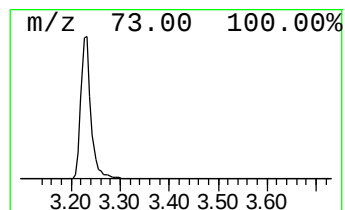
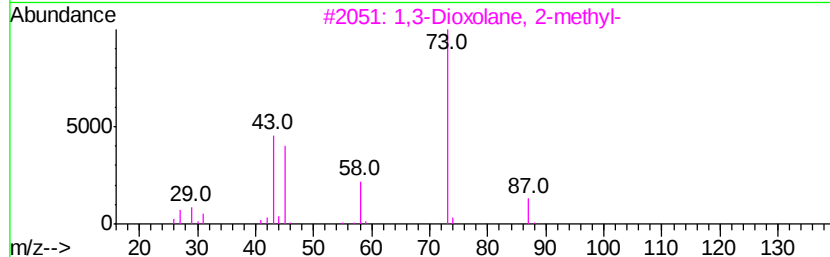
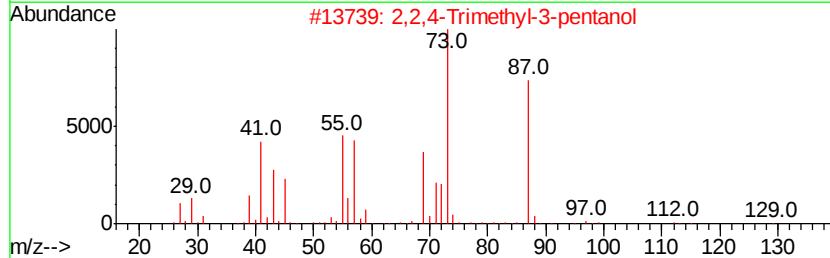
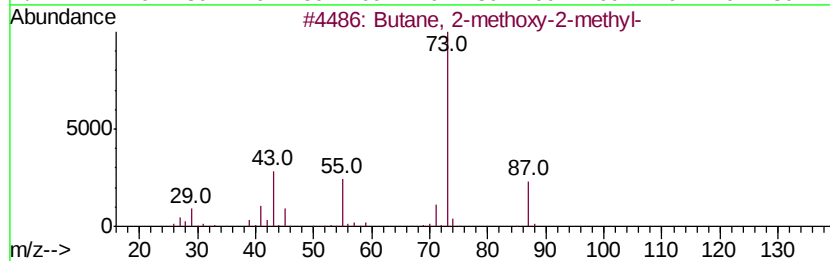
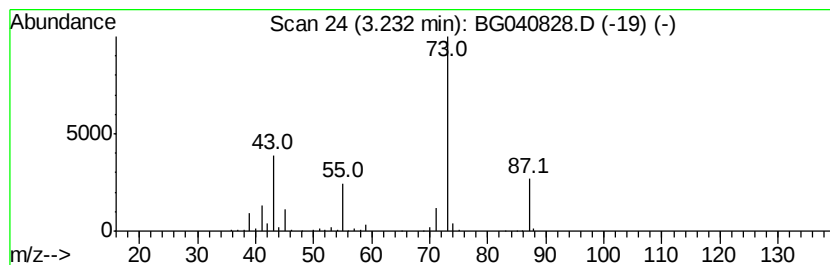
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.23 | 18.10 ng | 307477 | 1,4-Dichlorobenzene-d4 | 8.14 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 16   |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\  
Data File : BG040828.D  
Acq On : 9 May 2019 22:56  
Operator : HP/JU  
Sample : K2762-21  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P021-SS004-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

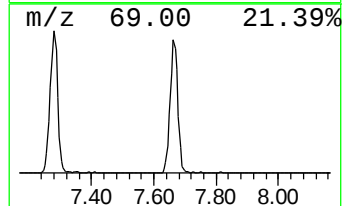
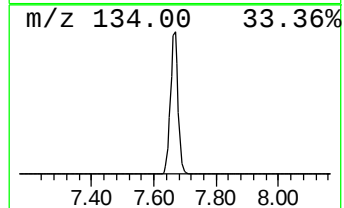
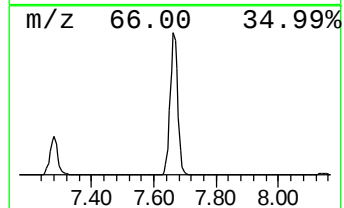
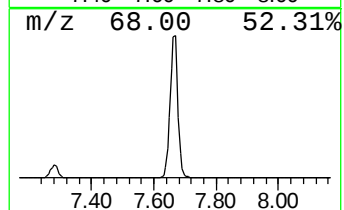
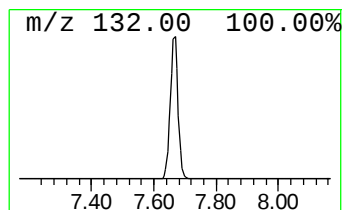
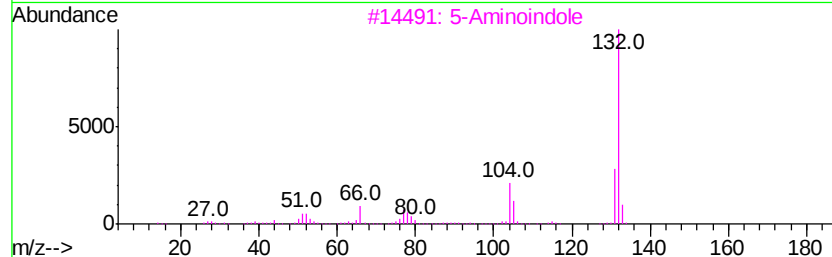
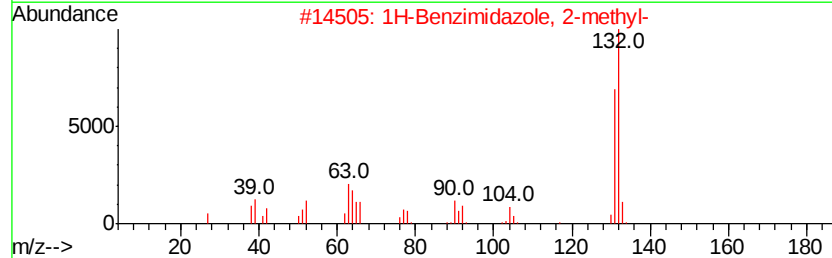
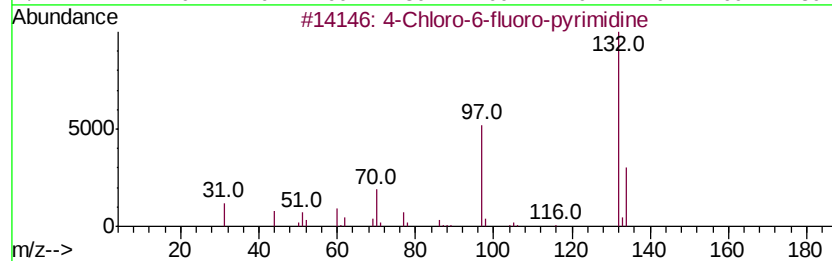
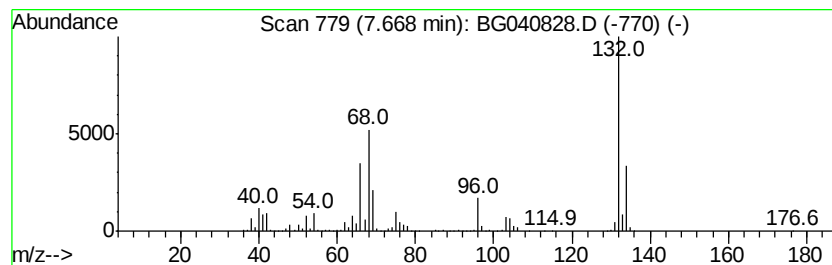
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown7.67 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.67 | 113.95 ng | 1935510 | 1,4-Dichlorobenzene-d4 | 8.14 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 22   |
| 4    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 13   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\  
Data File : BG040828.D  
Acq On : 9 May 2019 22:56  
Operator : HP/JU  
Sample : K2762-21  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P021-SS004-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

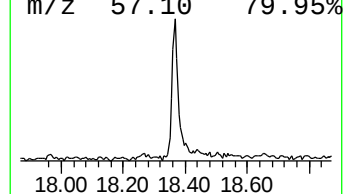
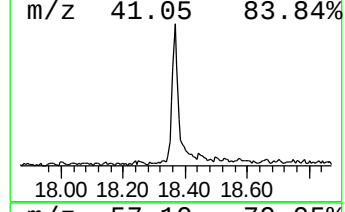
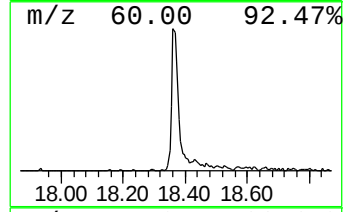
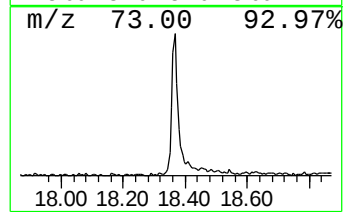
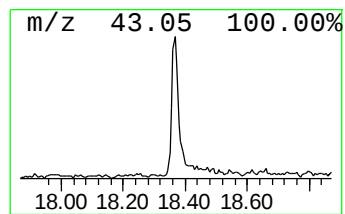
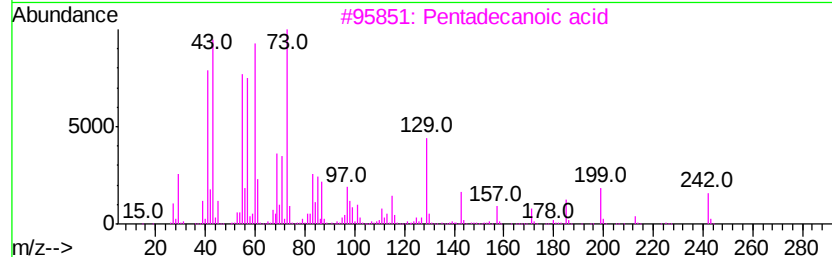
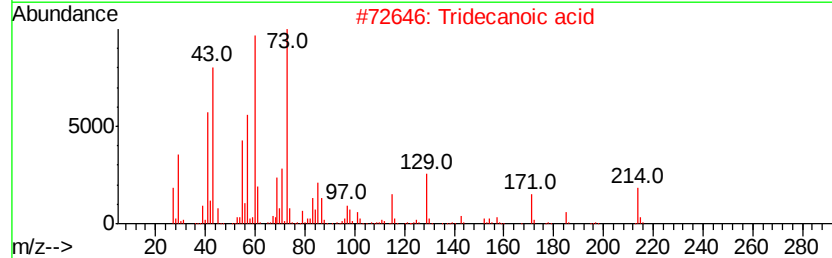
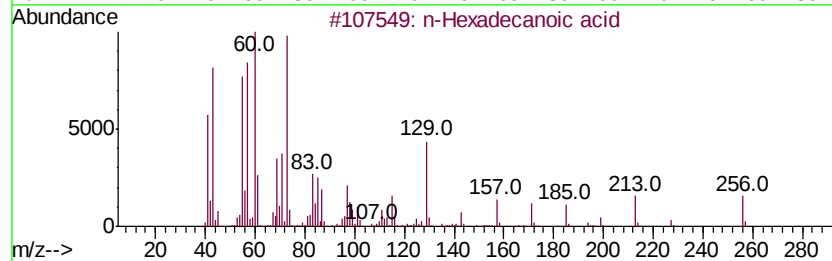
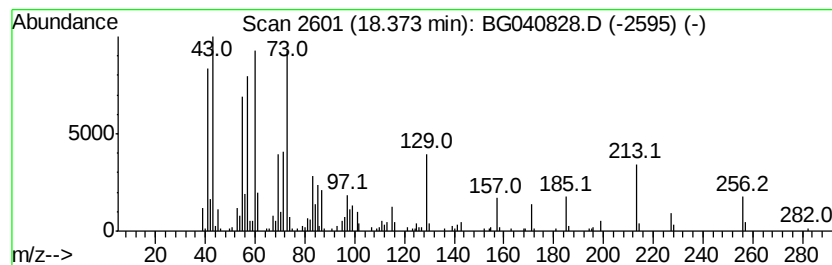
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.37 | 6.71 ng | 372237 | Phenanthrene-d10 | 17.52 |

| Hit# | of | Tentative ID        | MW  | MolForm   | CAS#        | Qual |
|------|----|---------------------|-----|-----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2  | 000057-10-3 | 99   |
| 2    |    | Tridecanoic acid    | 214 | C13H26O2  | 000638-53-9 | 90   |
| 3    |    | Pentadecanoic acid  | 242 | C15H30O2  | 001002-84-2 | 76   |
| 4    |    | Tetradecanoic acid  | 228 | C14H28O2  | 000544-63-8 | 76   |
| 5    |    | Lactose             | 342 | C12H22O11 | 000063-42-3 | 47   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\  
Data File : BG040828.D  
Acq On : 9 May 2019 22:56  
Operator : HP/JU  
Sample : K2762-21  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

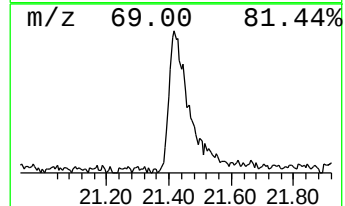
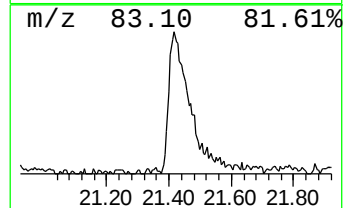
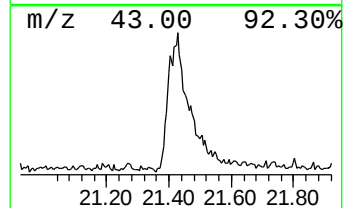
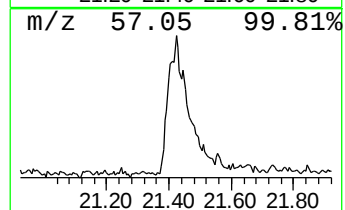
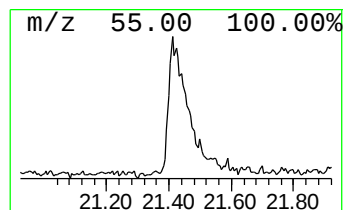
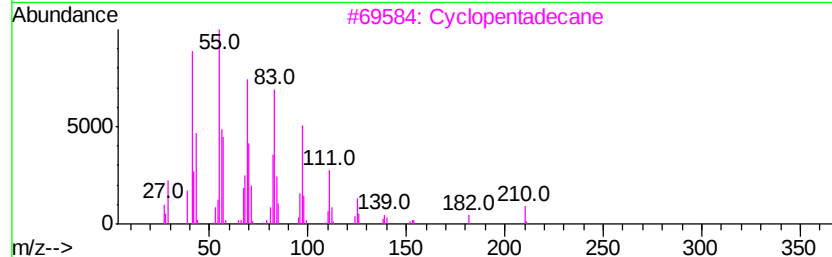
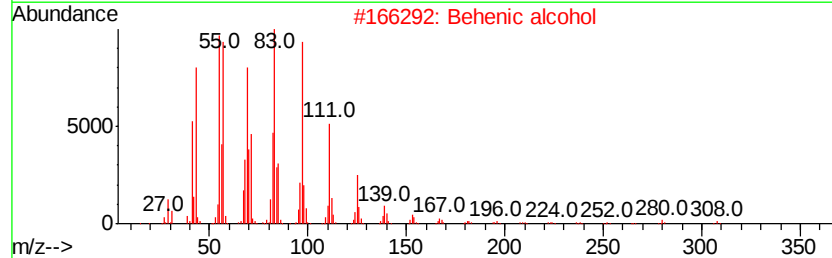
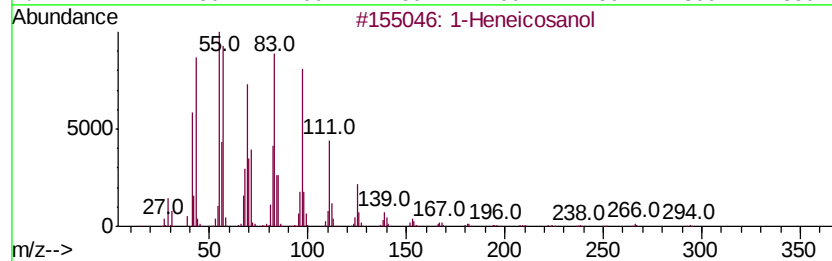
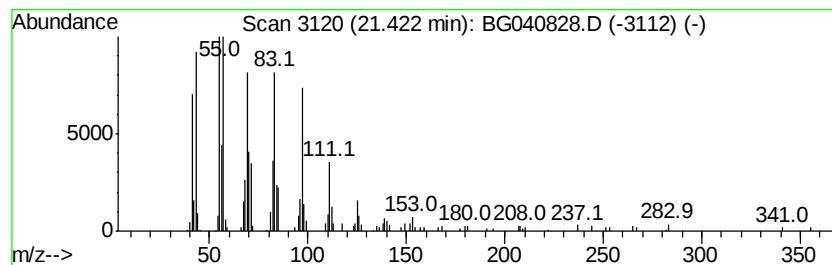
Instrument :  
BNA\_G  
ClientSampleId :  
P021-SS004-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 1-Heneicosanol Concentration Rank 5

| R.T.      | EstConc                           | Area   | Relative to ISTD |             | R.T.  |
|-----------|-----------------------------------|--------|------------------|-------------|-------|
| 21.42     | 7.55 ng                           | 437275 | Chrysene-d12     |             | 21.79 |
| Hit# of 5 | Tentative ID                      | MW     | MolForm          | CAS#        | Qual  |
| 1         | 1-Heneicosanol                    | 312    | C21H44O          | 015594-90-8 | 91    |
| 2         | Behenic alcohol                   | 326    | C22H46O          | 000661-19-8 | 91    |
| 3         | Cyclopentadecane                  | 210    | C15H30           | 000295-48-7 | 89    |
| 4         | Bromoacetic acid, hexadecyl ester | 362    | C18H35BrO2       | 005454-48-8 | 87    |
| 5         | 9-Eicosene, (E)-                  | 280    | C20H40           | 074685-29-3 | 83    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG050919\  
Data File : BG040828.D  
Acq On : 9 May 2019 22:56  
Operator : HP/JU  
Sample : K2762-21  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P021-SS004-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.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 |
| Butane, 2-methoxy... | 3.23  | 18.1    | ng    | 307477   | 1                     | 8.14  | 339716  | 20.0 |
| unknown7.67          | 7.67  | 114.0   | ng    | 1935510  | 1                     | 8.14  | 339716  | 20.0 |
| n-Hexadecanoic acid  | 18.37 | 6.7     | ng    | 372237   | 4                     | 17.52 | 1109700 | 20.0 |
| 1-Heneicosanol       | 21.42 | 7.5     | ng    | 437275   | 5                     | 21.79 | 1157800 | 20.0 |