

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\  
 Data File : BG035423.D  
 Acq On : 26 Jun 2018 23:26  
 Operator : JU/SJ  
 Sample : J3694-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PZ-8

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-BG060718.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         | 5.167       | 312           | 320         | 329          | rBV      | 37738          | 62942         | 1.31%           | 0.305%        |
| 2         | 5.625       | 392           | 398         | 408          | rBV      | 501993         | 827104        | 17.23%          | 4.004%        |
| 3         | 7.211       | 659           | 668         | 679          | rBV      | 339354         | 617591        | 12.87%          | 2.990%        |
| 4         | 7.587       | 723           | 732         | 739          | rBV      | 874187         | 1545444       | 32.20%          | 7.481%        |
| 5         | 8.051       | 799           | 811         | 818          | rBV      | 177554         | 306871        | 6.39%           | 1.486%        |
| 6         | 8.374       | 858           | 866         | 876          | rVB      | 687975         | 1191341       | 24.82%          | 5.767%        |
| 7         | 9.214       | 1000          | 1009        | 1019         | rBV      | 669288         | 1205628       | 25.12%          | 5.836%        |
| 8         | 10.853      | 1280          | 1288        | 1297         | rBV      | 237488         | 426592        | 8.89%           | 2.065%        |
| 9         | 13.297      | 1694          | 1704        | 1715         | rBV      | 1735735        | 2728879       | 56.86%          | 13.210%       |
| 10        | 13.885      | 1801          | 1804        | 1810         | rBV6     | 30676          | 54199         | 1.13%           | 0.262%        |
| 11        | 14.114      | 1840          | 1843        | 1850         | rVB      | 63497          | 102448        | 2.13%           | 0.496%        |
| 12        | 14.672      | 1932          | 1938        | 1944         | rBV2     | 385870         | 648847        | 13.52%          | 3.141%        |
| 13        | 14.754      | 1949          | 1952        | 1959         | rVB5     | 40175          | 62319         | 1.30%           | 0.302%        |
| 14        | 14.930      | 1974          | 1982        | 1986         | rBV10    | 28894          | 59530         | 1.24%           | 0.288%        |
| 15        | 15.148      | 2013          | 2019        | 2022         | rBV5     | 45499          | 77967         | 1.62%           | 0.377%        |
| 16        | 15.312      | 2040          | 2047        | 2051         | rVB7     | 47168          | 105090        | 2.19%           | 0.509%        |
| 17        | 15.430      | 2064          | 2067        | 2078         | rVB7     | 21873          | 54344         | 1.13%           | 0.263%        |
| 18        | 16.158      | 2185          | 2191        | 2201         | rBV      | 1675493        | 2578207       | 53.72%          | 12.481%       |
| 19        | 17.415      | 2399          | 2405        | 2413         | rVB2     | 557128         | 825015        | 17.19%          | 3.994%        |
| 20        | 18.302      | 2551          | 2556        | 2560         | rBV      | 148435         | 227889        | 4.75%           | 1.103%        |
| 21        | 19.565      | 2767          | 2771        | 2776         | rBV3     | 71521          | 97166         | 2.02%           | 0.470%        |
| 22        | 20.023      | 2843          | 2849        | 2855         | rBV      | 3669425        | 4799118       | 100.00%         | 23.232%       |
| 23        | 20.893      | 2994          | 2997        | 3003         | rVB      | 58823          | 77303         | 1.61%           | 0.374%        |
| 24        | 21.333      | 3068          | 3072        | 3082         | rVB9     | 35473          | 75026         | 1.56%           | 0.363%        |
| 25        | 21.680      | 3124          | 3131        | 3140         | rBV      | 602578         | 986131        | 20.55%          | 4.774%        |
| 26        | 24.899      | 3668          | 3679        | 3688         | rBV2     | 321511         | 914380        | 19.05%          | 4.426%        |

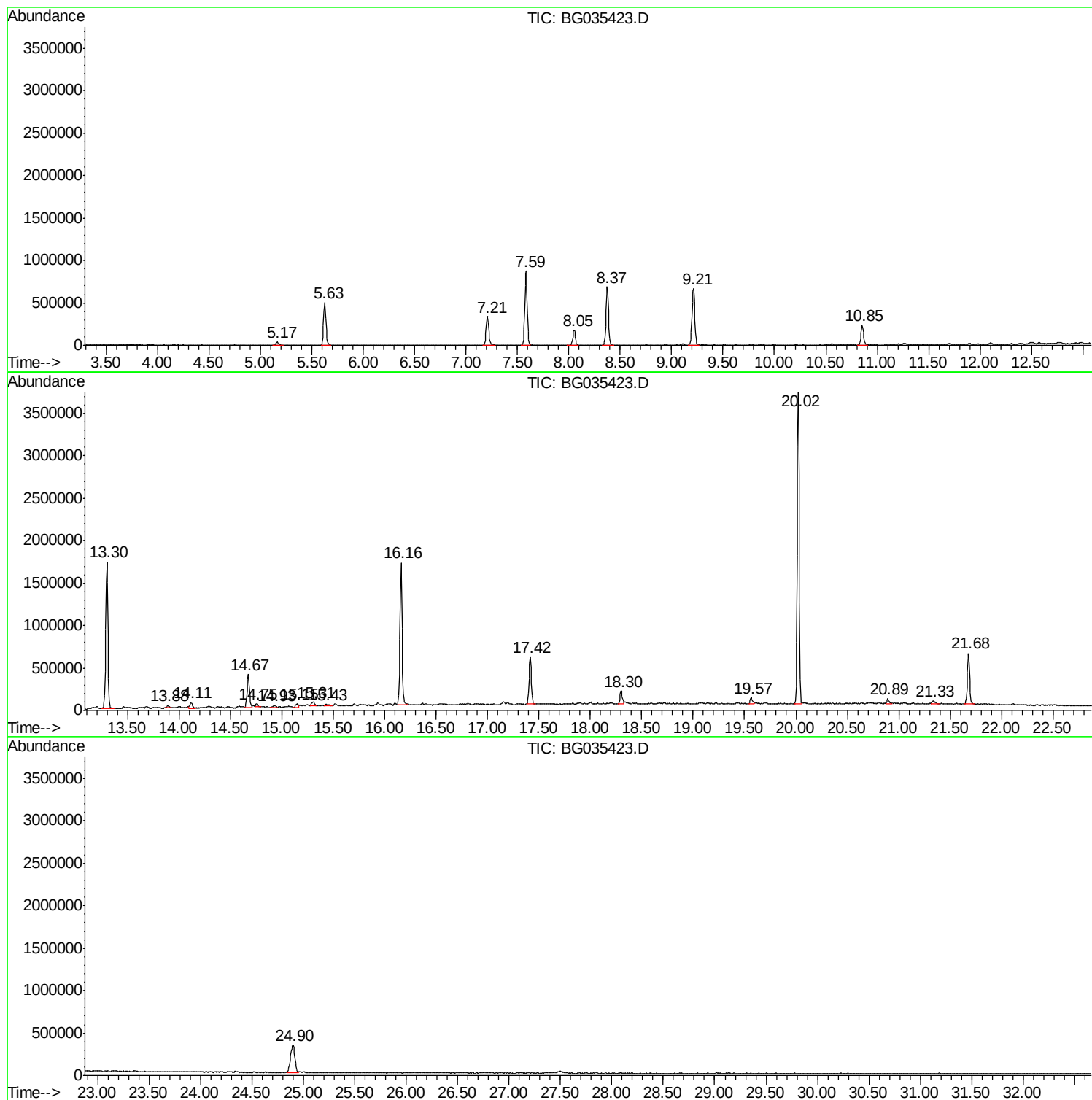
Sum of corrected areas: 20657371

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\  
Data File : BG035423.D  
Acq On : 26 Jun 2018 23:26  
Operator : JU/SJ  
Sample : J3694-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PZ-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.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\BG062618\  
Data File : BG035423.D  
Acq On : 26 Jun 2018 23:26  
Operator : JU/SJ  
Sample : J3694-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PZ-8

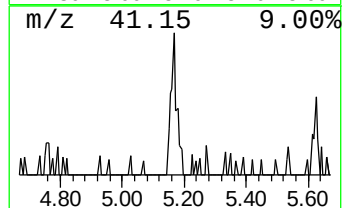
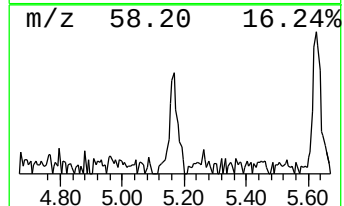
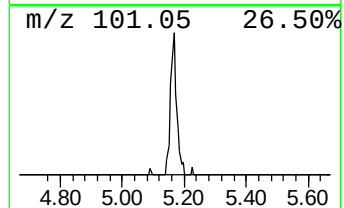
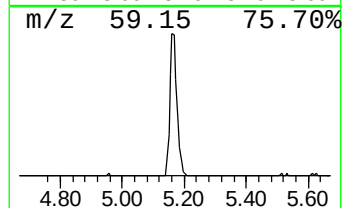
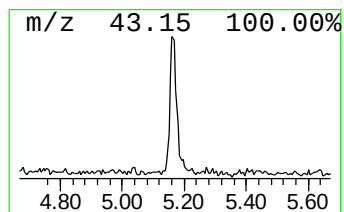
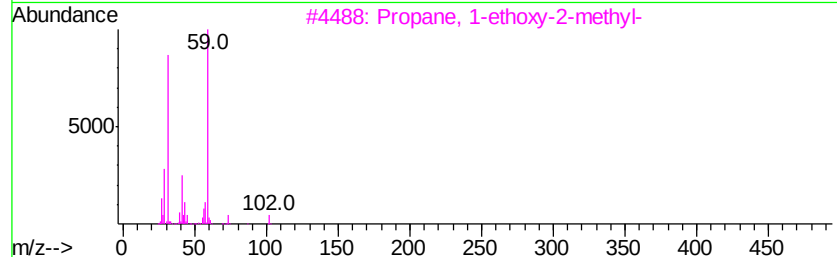
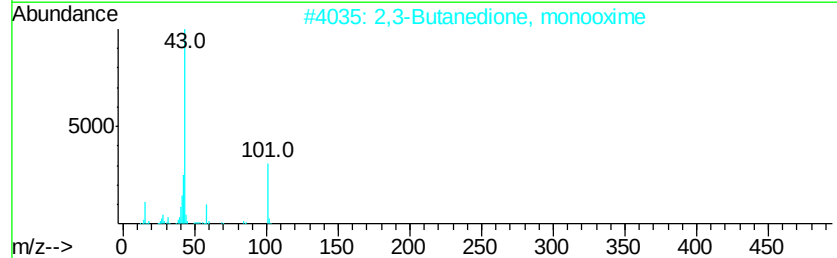
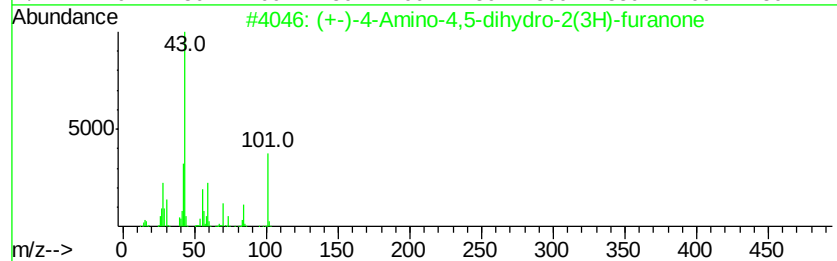
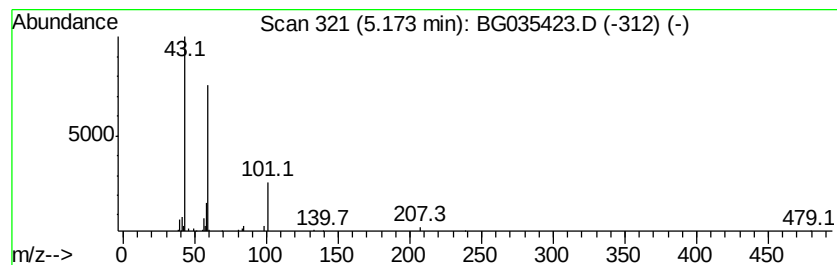
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 unknown5.17 Concentration Rank 4

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.17 | 4.10 ng | 62942 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of                               | 5                              | Tentative ID | MW      | MolForm     | CAS# | Qual |
|------|----------------------------------|--------------------------------|--------------|---------|-------------|------|------|
| 1    | (+)-                             | 4-Amino-4,5-dihydro-2(3H)-f... | 101          | C4H7NO2 | 016504-58-8 | 37   |      |
| 2    | 2,3-Butanedione, monooxime       |                                | 101          | C4H7NO2 | 000057-71-6 | 32   |      |
| 3    | Propane, 1-ethoxy-2-methyl-      |                                | 102          | C6H14O  | 000627-02-1 | 27   |      |
| 4    | 2-Pentanone, 4-hydroxy-4-methyl- |                                | 116          | C6H12O2 | 000123-42-2 | 25   |      |
| 5    | Morpholine, 4-methyl-            |                                | 101          | C5H11NO | 000109-02-4 | 16   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\  
Data File : BG035423.D  
Acq On : 26 Jun 2018 23:26  
Operator : JU/SJ  
Sample : J3694-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PZ-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

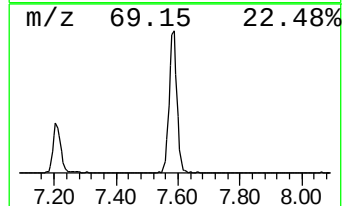
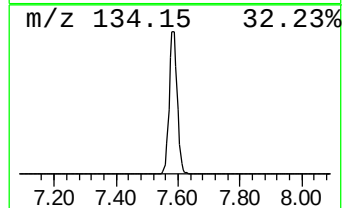
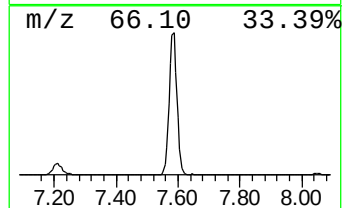
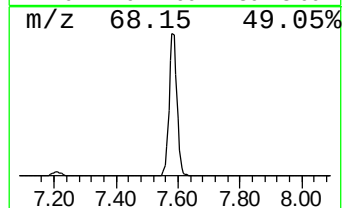
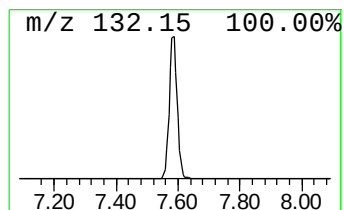
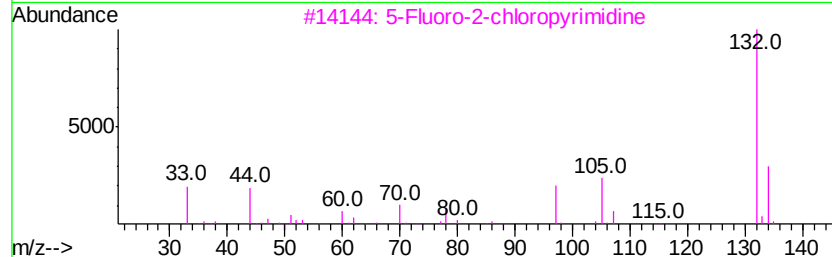
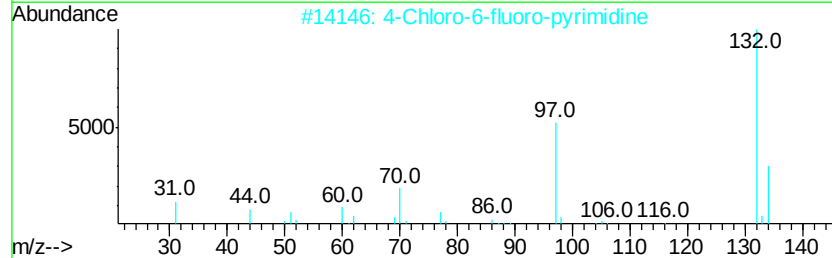
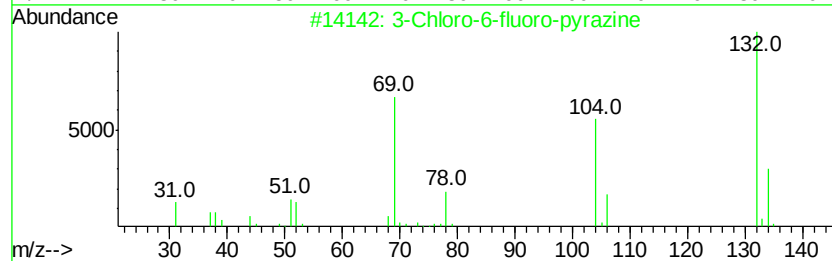
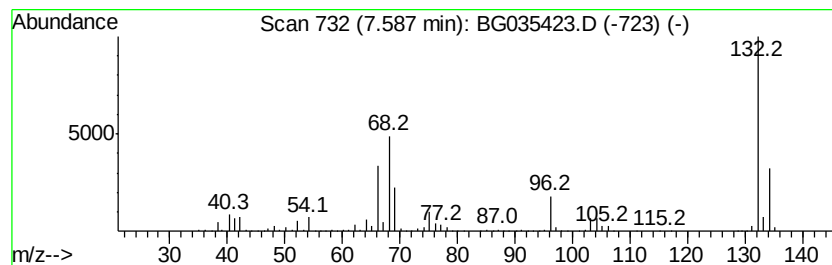
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown7.59 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.59 | 100.72 ng | 1545440 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine   | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 3    |    | 5-Fluoro-2-chloropyrimidine  | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 4    |    | Cyclopropanamine, 1-phenyl-  | 133 | C9H11N    | 1000351-26-2 | 10   |
| 5    |    | Tranlylcypromine-propionyl   | 189 | C12H15NO  | 1000123-86-3 | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\  
Data File : BG035423.D  
Acq On : 26 Jun 2018 23:26  
Operator : JU/SJ  
Sample : J3694-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PZ-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

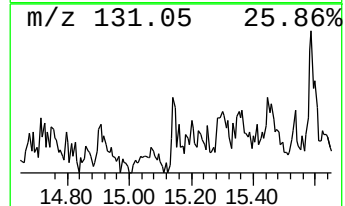
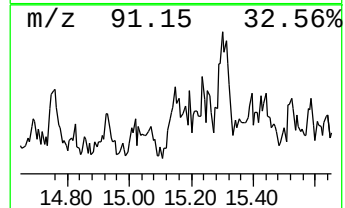
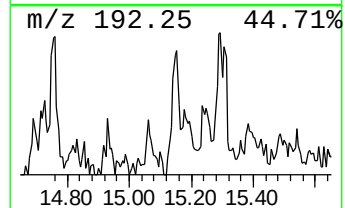
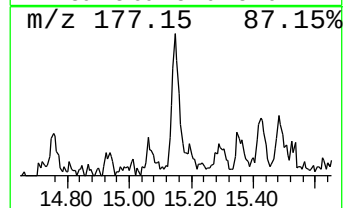
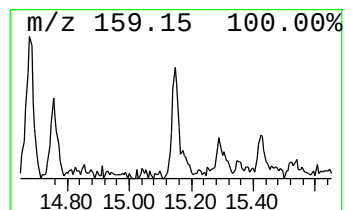
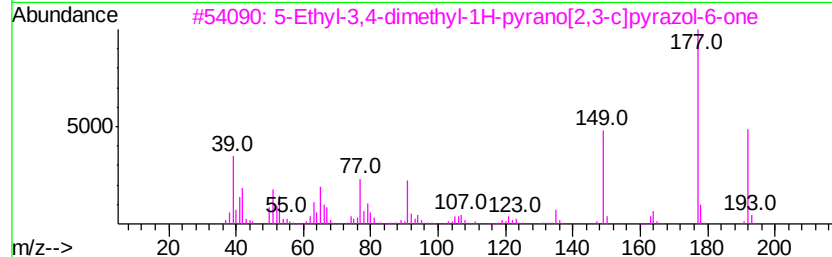
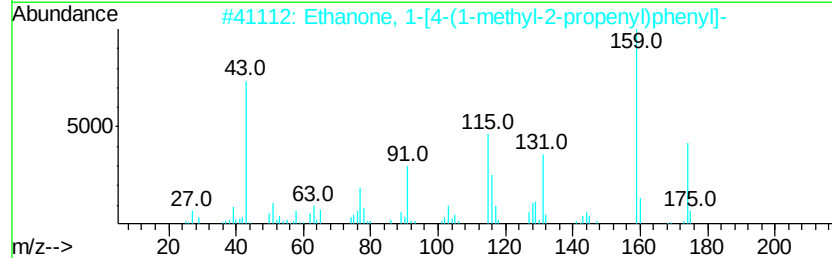
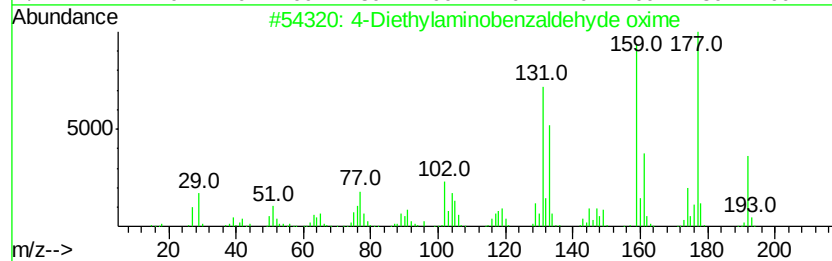
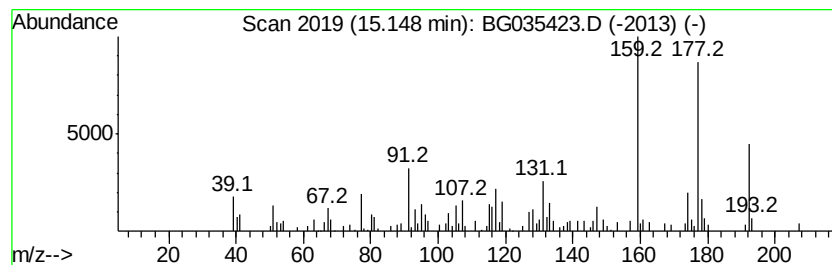
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 4-Diethylaminobenzaldehyde ... Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.15 | 2.40 ng | 77967 | Acenaphthene-d10 | 14.67 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|---------|---|-------------------------------------|-----|------------|--------------|------|
| 1       |   | 4-Diethylaminobenzaldehyde oxime    | 192 | C11H16N2O  | 054376-65-7  | 59   |
| 2       |   | Ethanone, 1-[4-(1-methyl-2-prope... | 174 | C12H14O    | 109586-49-4  | 38   |
| 3       |   | 5-Ethyl-3,4-dimethyl-1H-pyrano[2... | 192 | C10H12N2O2 | 1000296-60-7 | 38   |
| 4       |   | 1H-Inden-1-one, 2,3-dihydro-3,4,... | 174 | C12H14O    | 035322-84-0  | 38   |
| 5       |   | 6-Isopropyl-benzothiazol-2-ylamine  | 192 | C10H12N2S  | 032895-14-0  | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\  
Data File : BG035423.D  
Acq On : 26 Jun 2018 23:26  
Operator : JU/SJ  
Sample : J3694-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
PZ-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

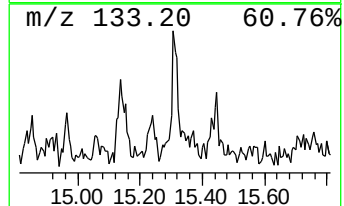
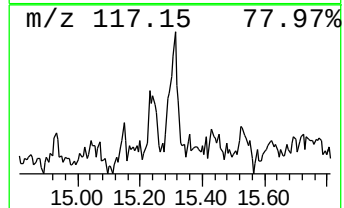
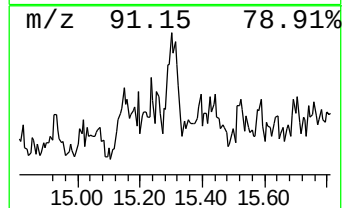
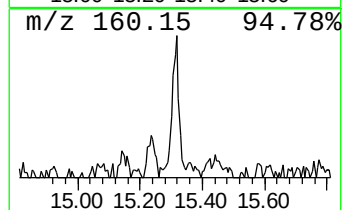
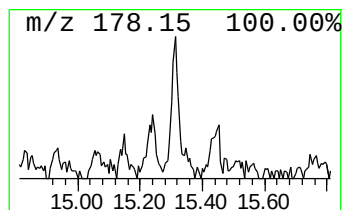
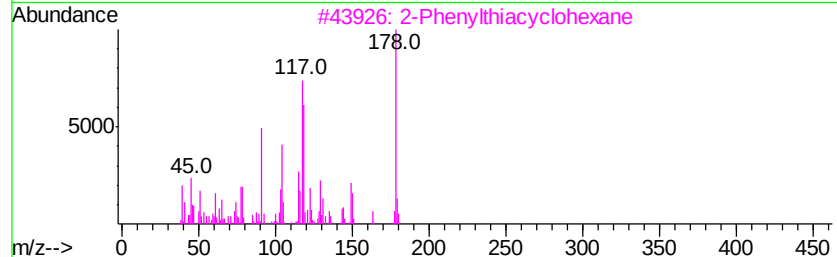
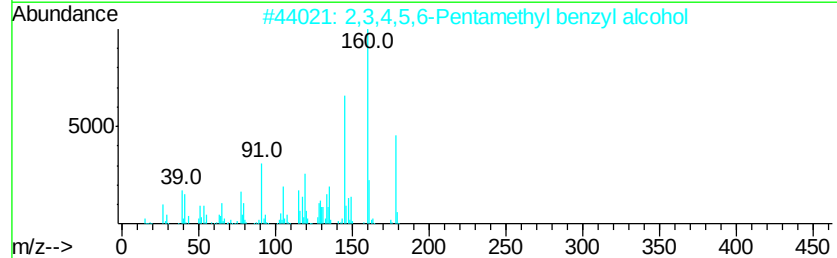
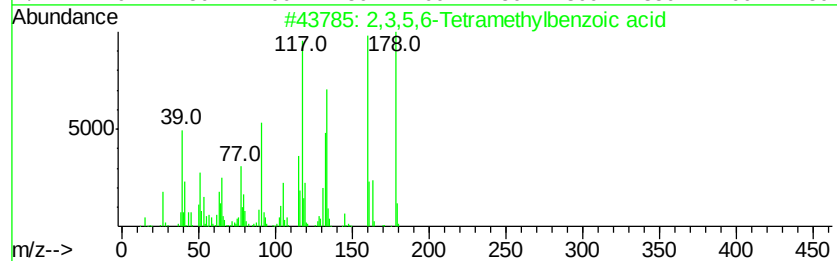
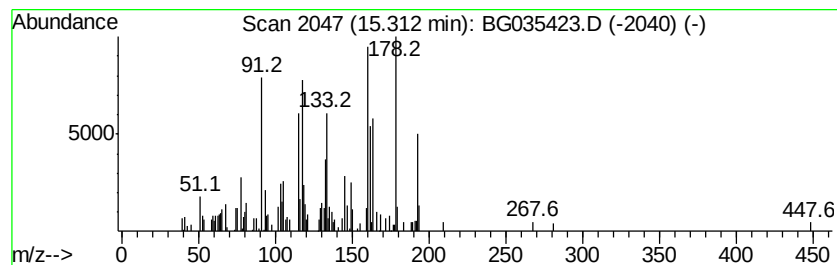
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 2,3,5,6-Tetramethylbenzoic ... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.31 | 3.24 ng | 105090 | Acenaphthene-d10 | 14.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 2,3,5,6-Tetramethylbenzoic acid     | 178 | C11H14O2 | 002604-45-7  | 64   |
| 2    |    | 2,3,4,5,6-Pentamethyl benzyl alc... | 178 | C12H18O  | 1000342-69-3 | 41   |
| 3    |    | 2-Phenylthiacyclohexane             | 178 | C11H14S  | 022398-05-6  | 30   |
| 4    |    | 3-Methoxycinnamic acid              | 178 | C10H10O3 | 006099-04-3  | 30   |
| 5    |    | 2-Benzyl-1,3-oxazol-2-ine           | 161 | C10H11NO | 010431-95-5  | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\  
Data File : BG035423.D  
Acq On : 26 Jun 2018 23:26  
Operator : JU/SJ  
Sample : J3694-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

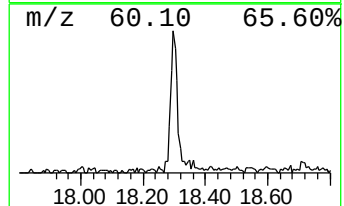
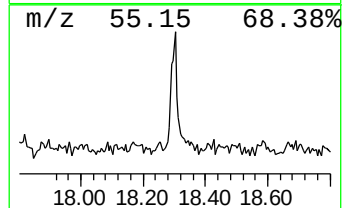
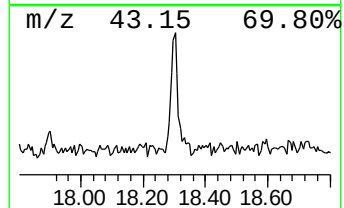
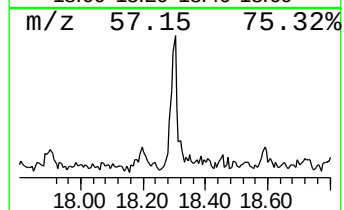
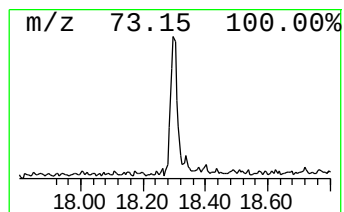
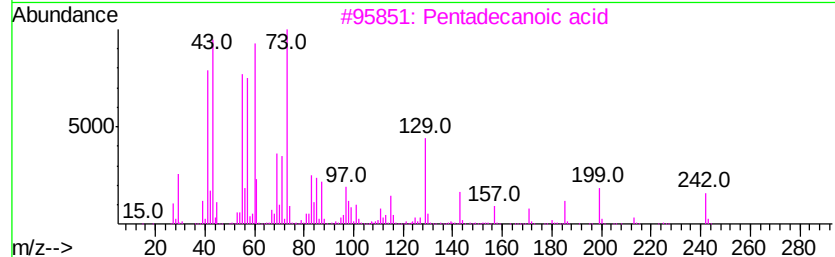
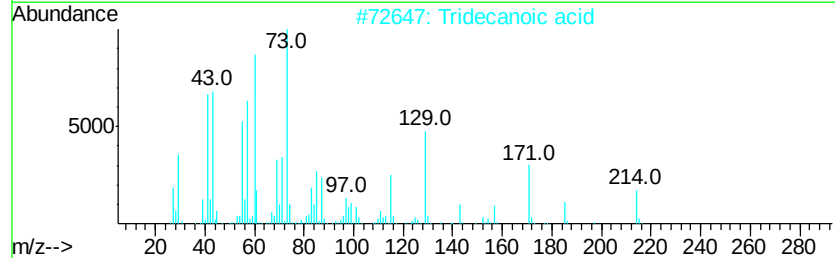
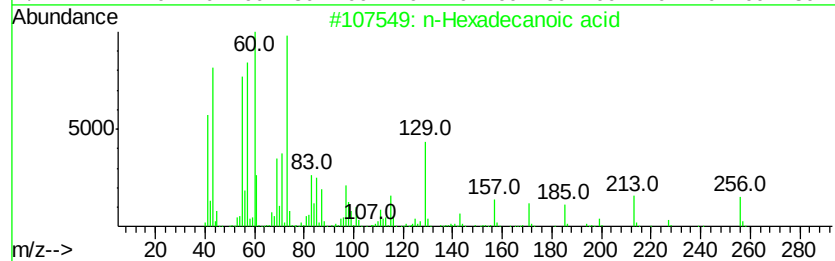
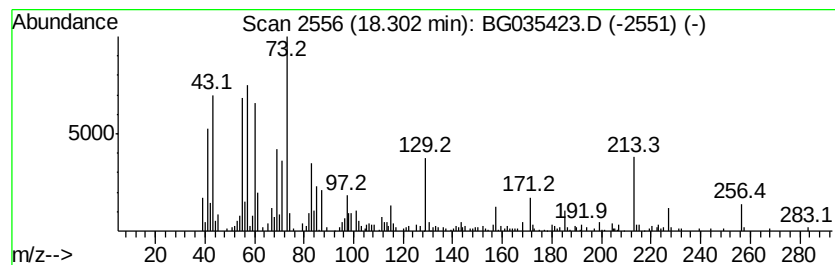
Instrument :  
BNA\_G  
ClientSampleId :  
PZ-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 n-Hexadecanoic acid Concentration Rank 3

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------|--------|------------------|-------------|------|
| 18.30     | 5.52 ng             | 227889 | Phenanthrene-d10 | 17.42       |      |
| 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 | 86   |
| 3         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 76   |
| 4         | n-Decanoic acid     | 172    | C10H20O2         | 000334-48-5 | 55   |
| 5         | Undecanoic acid     | 186    | C11H22O2         | 000112-37-8 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062618\  
Data File : BG035423.D  
Acq On : 26 Jun 2018 23:26  
Operator : JU/SJ  
Sample : J3694-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PZ-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG060718.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 |
| unknown5.17          | 5.17  | 4.1 ng   |       | 62942    | 1                     | 8.05  | 306871 | 20.0 |
| unknown7.59          | 7.59  | 100.7 ng |       | 1545440  | 1                     | 8.05  | 306871 | 20.0 |
| 4-Diethylaminoben... | 15.15 | 2.4 ng   |       | 77967    | 3                     | 14.67 | 648847 | 20.0 |
| 2,3,5,6-Tetrameth... | 15.31 | 3.2 ng   |       | 105090   | 3                     | 14.67 | 648847 | 20.0 |
| n-Hexadecanoic acid  | 18.30 | 5.5 ng   |       | 227889   | 4                     | 17.42 | 825015 | 20.0 |