

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073016\  
 Data File : BF089422.D  
 Acq On : 29 Jul 2016 21:38  
 Operator : UM/SJ  
 Sample : H4221-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-44-14.0-15.0

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\_F\METHODS\8270-BF072716.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         | 1.678       | 6             | 8           | 49           | rVB      | 926091         | 2404927       | 100.00%         | 18.924%       |
| 2         | 4.616       | 263           | 265         | 278          | rVB      | 127020         | 219062        | 9.11%           | 1.724%        |
| 3         | 5.096       | 305           | 307         | 328          | rBV      | 637042         | 1124384       | 46.75%          | 8.848%        |
| 4         | 6.170       | 399           | 401         | 409          | rBV      | 718553         | 1105122       | 45.95%          | 8.696%        |
| 5         | 6.285       | 409           | 411         | 413          | rBV      | 1148840        | 1187733       | 49.39%          | 9.346%        |
| 6         | 6.513       | 429           | 431         | 442          | rVB      | 212034         | 241280        | 10.03%          | 1.899%        |
| 7         | 6.673       | 442           | 445         | 447          | rBV      | 760608         | 934584        | 38.86%          | 7.354%        |
| 8         | 7.085       | 479           | 481         | 492          | rBV      | 535625         | 707828        | 29.43%          | 5.570%        |
| 9         | 7.805       | 542           | 544         | 555          | rBV      | 217153         | 318650        | 13.25%          | 2.507%        |
| 10        | 8.879       | 635           | 638         | 660          | rBV      | 1408670        | 1426301       | 59.31%          | 11.224%       |
| 11        | 9.279       | 671           | 673         | 676          | rBV      | 466481         | 396766        | 16.50%          | 3.122%        |
| 12        | 9.542       | 694           | 696         | 699          | rBV      | 410654         | 372791        | 15.50%          | 2.933%        |
| 13        | 10.331      | 763           | 765         | 767          | rBV      | 499395         | 598337        | 24.88%          | 4.708%        |
| 14        | 11.016      | 823           | 825         | 830          | rBV      | 269283         | 295661        | 12.29%          | 2.327%        |
| 15        | 12.594      | 961           | 963         | 966          | rBV      | 944756         | 904126        | 37.59%          | 7.115%        |
| 16        | 13.634      | 1052          | 1054        | 1062         | rBV      | 174409         | 233042        | 9.69%           | 1.834%        |
| 17        | 14.960      | 1168          | 1170        | 1177         | rBV      | 201460         | 237475        | 9.87%           | 1.869%        |

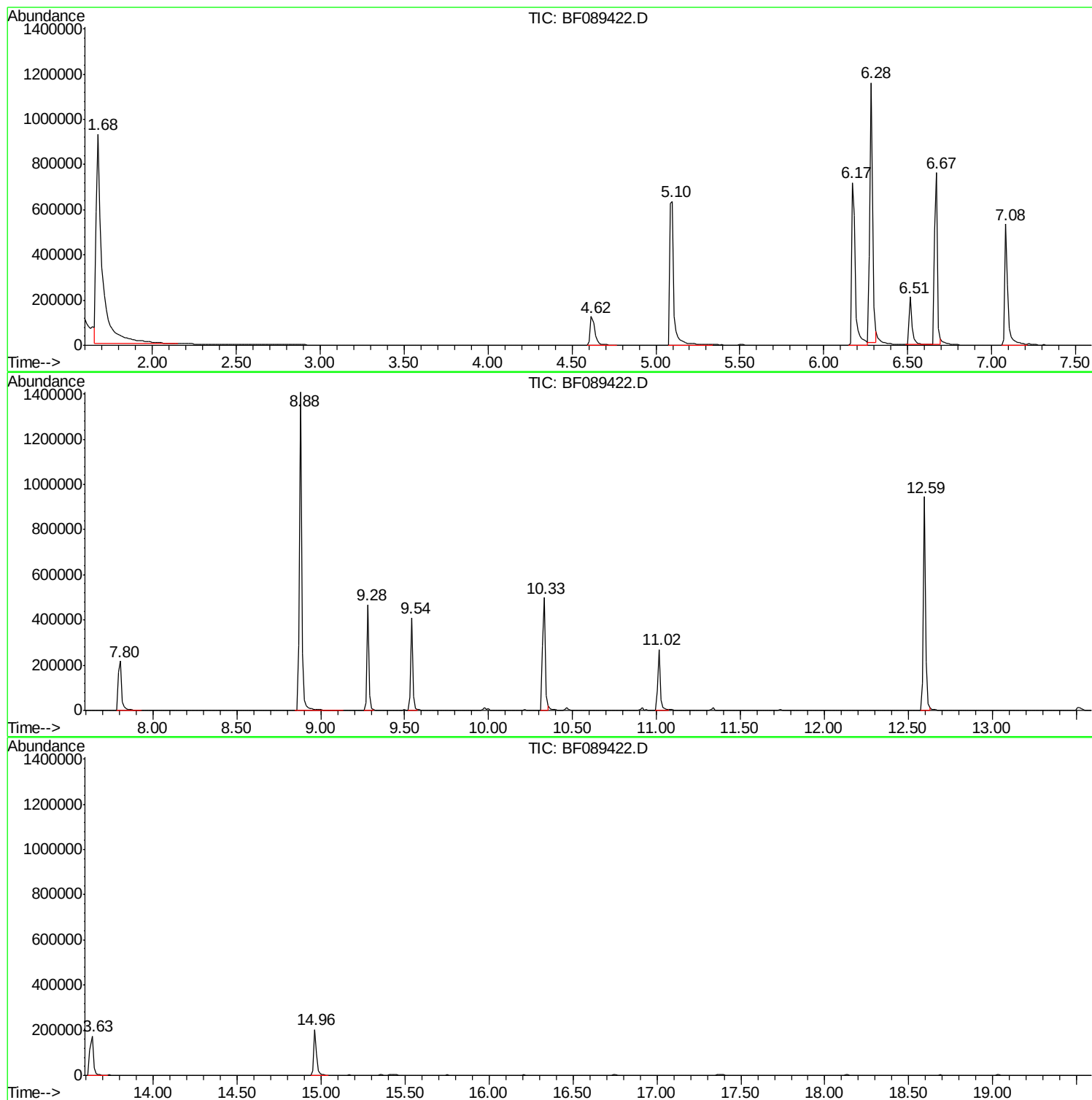
Sum of corrected areas: 12708069

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073016\  
Data File : BF089422.D  
Acq On : 29 Jul 2016 21:38  
Operator : UM/SJ  
Sample : H4221-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-44-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.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\_F\DATA\BF073016\  
Data File : BF089422.D  
Acq On : 29 Jul 2016 21:38  
Operator : UM/SJ  
Sample : H4221-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-44-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

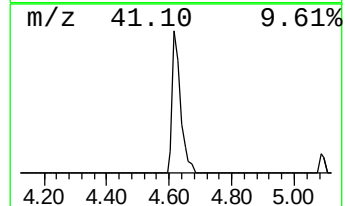
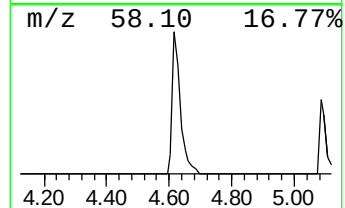
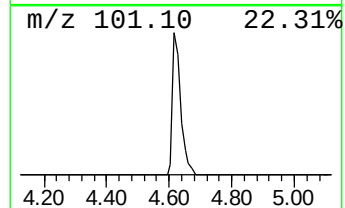
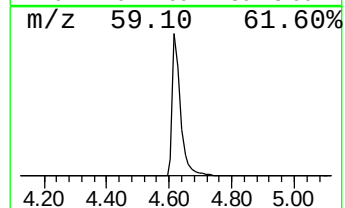
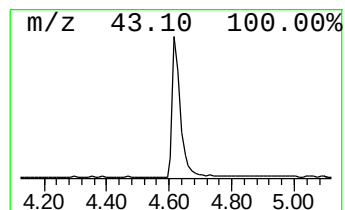
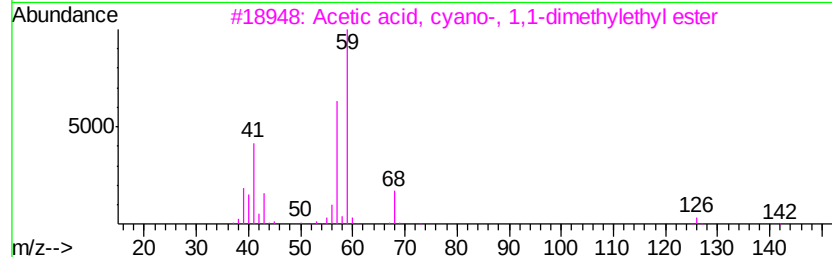
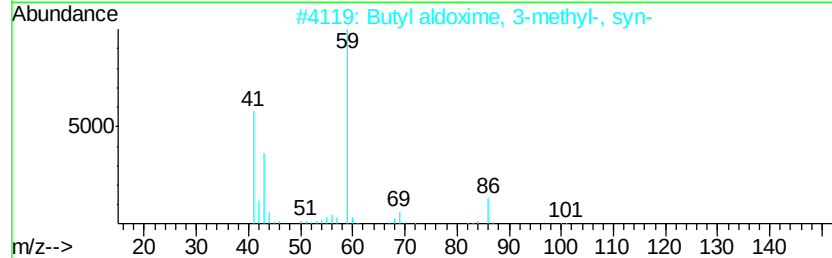
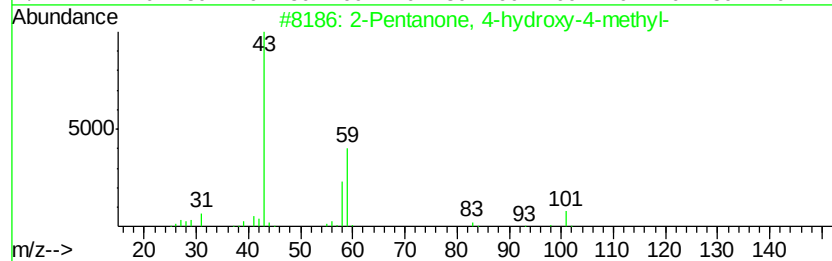
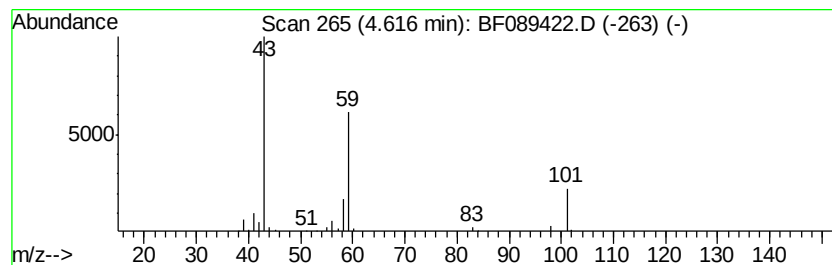
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.62 | 18.16 ng | 219062 | 1,4-Dichlorobenzene-d4 | 6.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | Butyl aldoxime, 3-methyl-, syn-     | 101 | C5H11NO  | 005780-40-5 | 25   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 12   |
| 5    |    | Acetone                             | 58  | C3H6O    | 000067-64-1 | 10   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073016\  
Data File : BF089422.D  
Acq On : 29 Jul 2016 21:38  
Operator : UM/SJ  
Sample : H4221-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-44-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

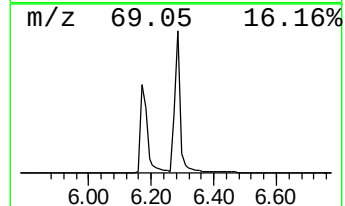
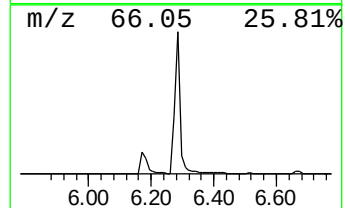
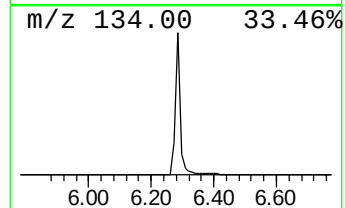
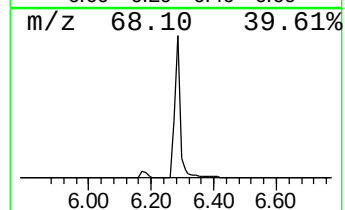
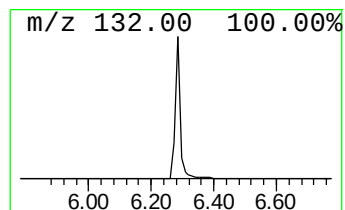
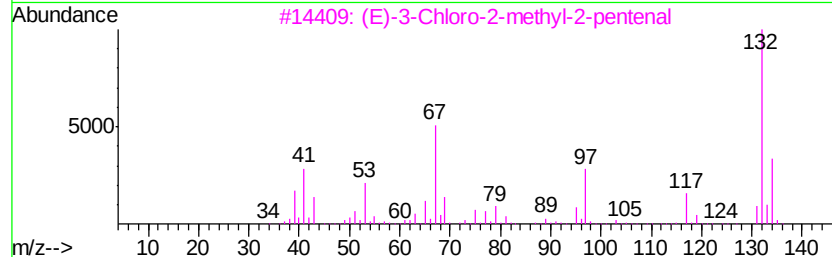
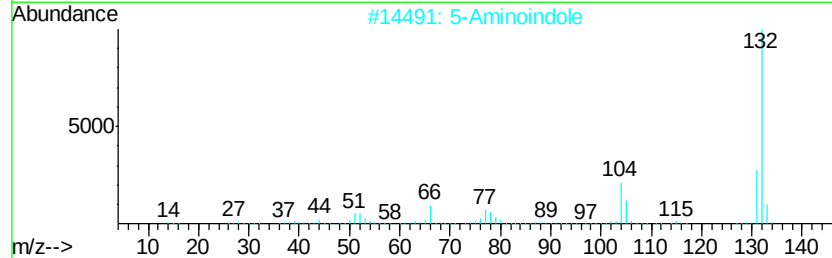
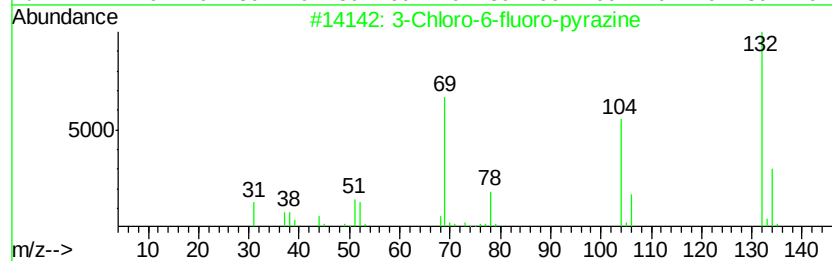
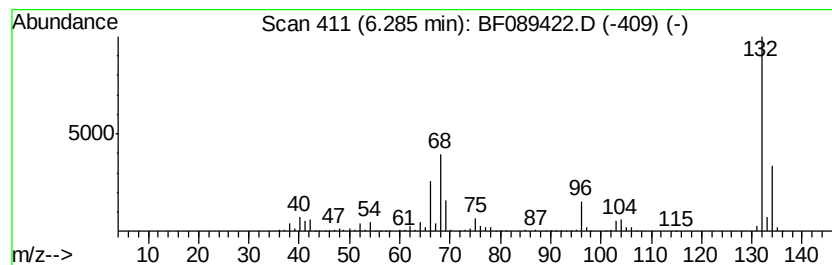
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown6.28 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.28 | 98.45 ng | 1187730 | 1,4-Dichlorobenzene-d4 | 6.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 2    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 9    |
| 3    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 9    |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073016\  
Data File : BF089422.D  
Acq On : 29 Jul 2016 21:38  
Operator : UM/SJ  
Sample : H4221-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-44-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.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 |
| 2-Pentanone, 4-hy... | 4.62 | 18.2    | ng    | 219062   | 1                     | 6.51 | 241280 | 20.0 |
| unknown6.28          | 6.28 | 98.5    | ng    | 1187730  | 1                     | 6.51 | 241280 | 20.0 |