

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
 Data File : BF077063.D  
 Acq On : 26 Jan 2015 20:57  
 Operator : TP/IZ  
 Sample : G1138-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 275B2

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-BF011415.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         | 1.327       | 20            | 21          | 25           | rBV      | 4434           | 8856          | 1.37%           | 0.173%        |
| 2         | 1.407       | 25            | 28          | 39           | rVB      | 30490          | 72863         | 11.30%          | 1.423%        |
| 3         | 3.830       | 238           | 240         | 254          | rVB      | 30916          | 75954         | 11.78%          | 1.483%        |
| 4         | 4.790       | 320           | 324         | 335          | rBV      | 209427         | 457555        | 70.96%          | 8.935%        |
| 5         | 7.167       | 529           | 532         | 536          | rBV      | 270626         | 446420        | 69.23%          | 8.718%        |
| 6         | 7.247       | 536           | 539         | 546          | rVB      | 282737         | 503477        | 78.08%          | 9.832%        |
| 7         | 7.762       | 581           | 584         | 588          | rVB      | 74052          | 119056        | 18.46%          | 2.325%        |
| 8         | 8.082       | 609           | 612         | 618          | rBV      | 236320         | 365952        | 56.75%          | 7.146%        |
| 9         | 9.065       | 695           | 698         | 705          | rBV      | 189591         | 290940        | 45.12%          | 5.681%        |
| 10        | 10.676      | 836           | 839         | 842          | rBV      | 100336         | 167296        | 25.94%          | 3.267%        |
| 11        | 13.328      | 1067          | 1071        | 1074         | rBV      | 382655         | 575644        | 89.27%          | 11.241%       |
| 12        | 14.391      | 1162          | 1164        | 1168         | rBV      | 25173          | 42819         | 6.64%           | 0.836%        |
| 13        | 14.803      | 1196          | 1200        | 1204         | rBV      | 107887         | 188574        | 29.24%          | 3.682%        |
| 14        | 16.460      | 1341          | 1345        | 1347         | rBV      | 13988          | 19681         | 3.05%           | 0.384%        |
| 15        | 16.517      | 1347          | 1350        | 1353         | rVV      | 258654         | 346057        | 53.67%          | 6.758%        |
| 16        | 17.626      | 1445          | 1447        | 1450         | rBV      | 157279         | 192871        | 29.91%          | 3.766%        |
| 17        | 19.877      | 1641          | 1644        | 1646         | rBV      | 504327         | 644813        | 100.00%         | 12.592%       |
| 18        | 21.135      | 1751          | 1754        | 1757         | rBV2     | 232469         | 312961        | 48.54%          | 6.111%        |
| 19        | 21.923      | 1821          | 1823        | 1828         | rVB3     | 6386           | 8707          | 1.35%           | 0.170%        |
| 20        | 22.792      | 1896          | 1899        | 1905         | rBV      | 139755         | 180815        | 28.04%          | 3.531%        |
| 21        | 23.421      | 1948          | 1954        | 1957         | rBV2     | 18975          | 38400         | 5.96%           | 0.750%        |
| 22        | 23.741      | 1979          | 1982        | 1987         | rBV5     | 3719           | 12236         | 1.90%           | 0.239%        |
| 23        | 24.186      | 2018          | 2021        | 2025         | rVB4     | 7119           | 15943         | 2.47%           | 0.311%        |
| 24        | 24.392      | 2037          | 2039        | 2044         | rVB5     | 2666           | 6903          | 1.07%           | 0.135%        |
| 25        | 25.352      | 2119          | 2123        | 2129         | rVV8     | 3247           | 9420          | 1.46%           | 0.184%        |
| 26        | 26.358      | 2207          | 2211        | 2212         | rBV4     | 3681           | 9656          | 1.50%           | 0.189%        |
| 27        | 26.541      | 2226          | 2227        | 2231         | rBV2     | 3225           | 7085          | 1.10%           | 0.138%        |

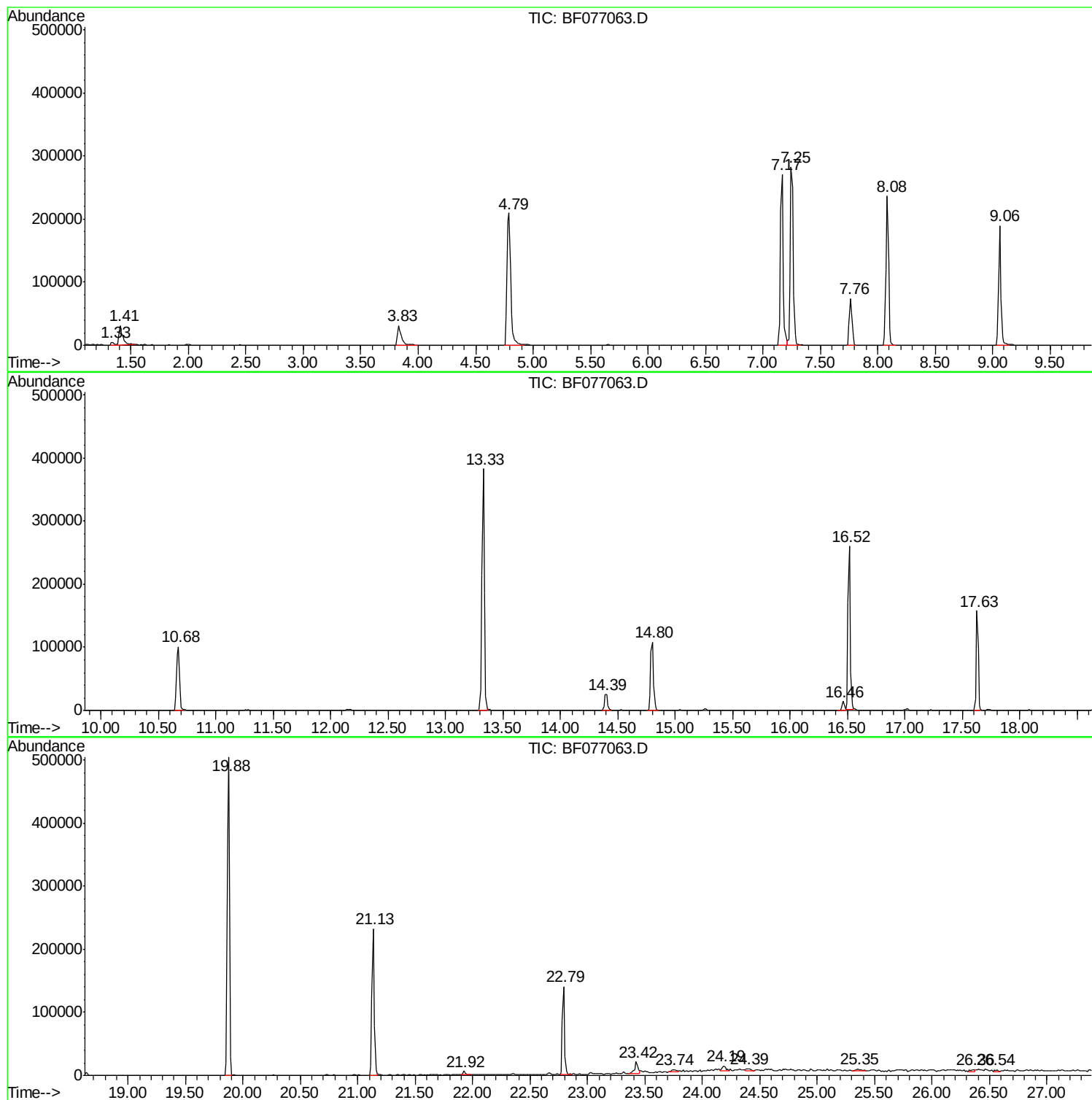
Sum of corrected areas: 5120954

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077063.D  
Acq On : 26 Jan 2015 20:57  
Operator : TP/IZ  
Sample : G1138-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077063.D  
Acq On : 26 Jan 2015 20:57  
Operator : TP/IZ  
Sample : G1138-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

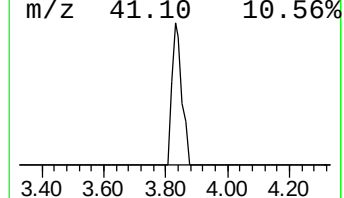
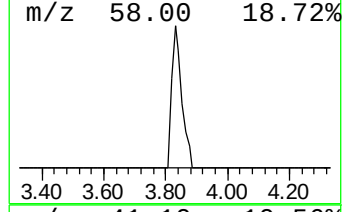
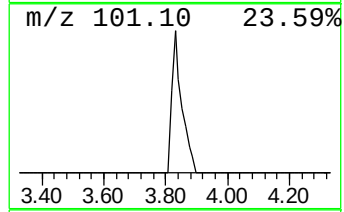
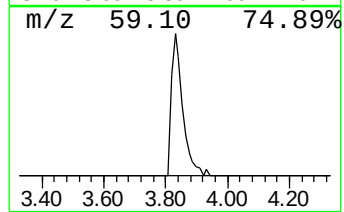
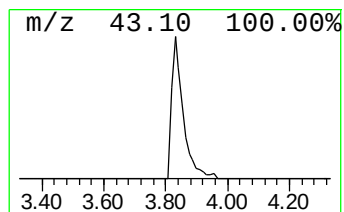
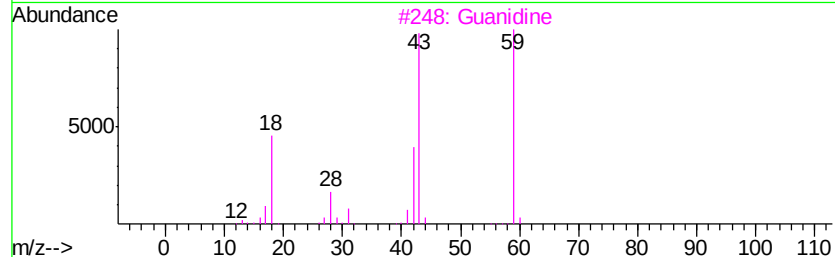
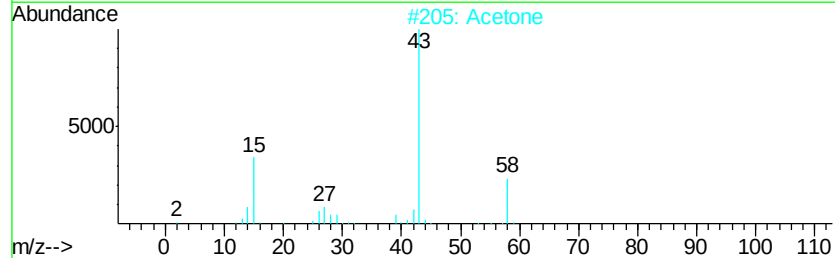
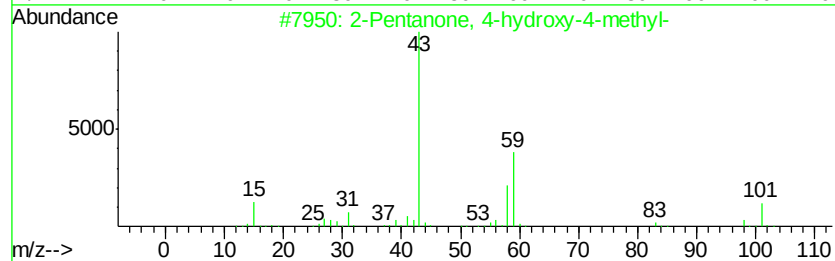
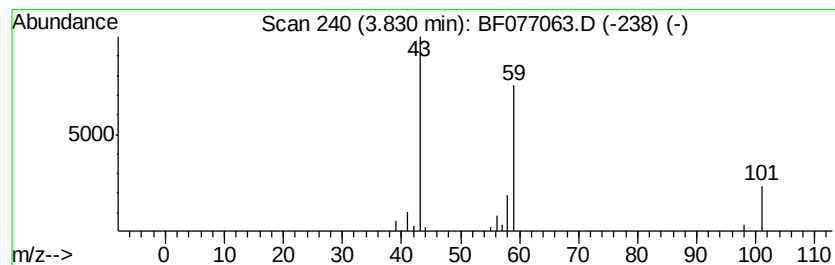
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area  | Relative to ISTD       | R.T. |
|------|----------|-------|------------------------|------|
| 3.83 | 12.76 ng | 75954 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    | Acetone                          | 58  | C3H6O   | 000067-64-1 | 9    |
| 3    |    | Guanidine                        | 59  | CH5N3   | 000113-00-8 | 9    |
| 4    |    | 1-Propen-2-ol, acetate           | 100 | C5H8O2  | 000108-22-5 | 9    |
| 5    |    | 1,3-Dioxane, 4,4-dimethyl-       | 116 | C6H12O2 | 000766-15-4 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077063.D  
Acq On : 26 Jan 2015 20:57  
Operator : TP/IZ  
Sample : G1138-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

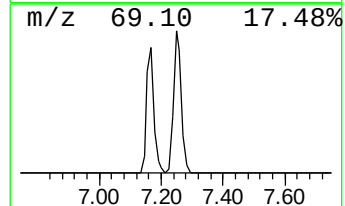
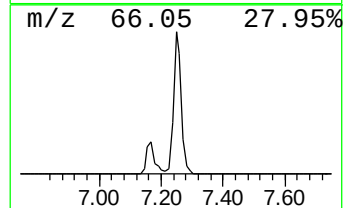
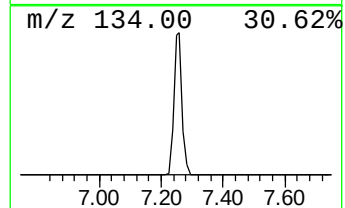
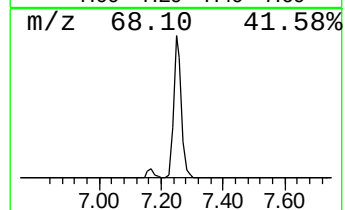
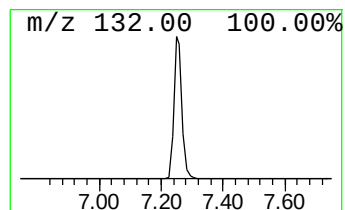
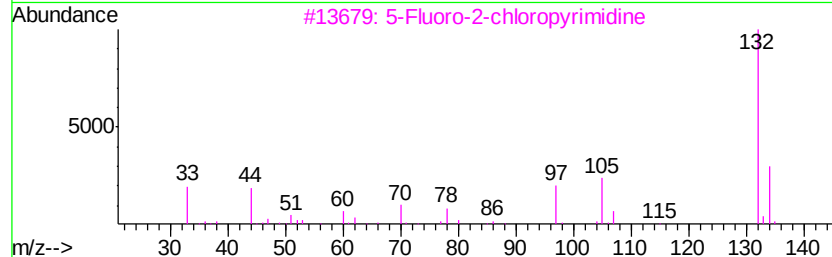
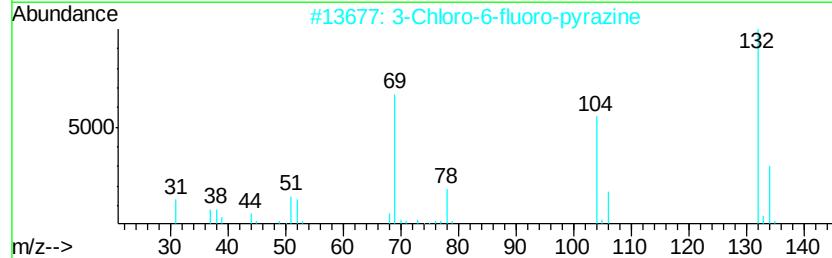
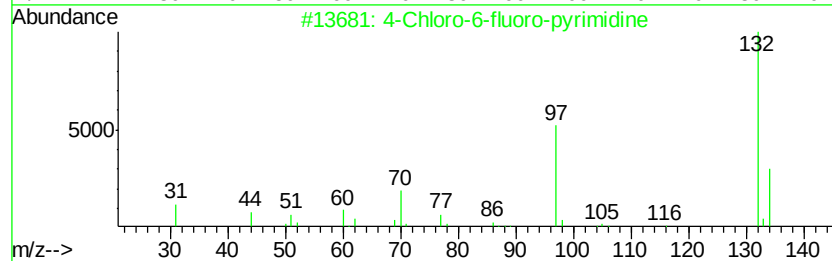
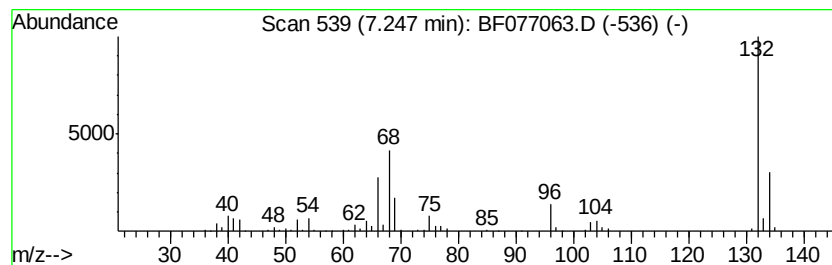
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown7.25 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.25 | 84.58 ng | 503477 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 4    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077063.D  
Acq On : 26 Jan 2015 20:57  
Operator : TP/IZ  
Sample : G1138-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

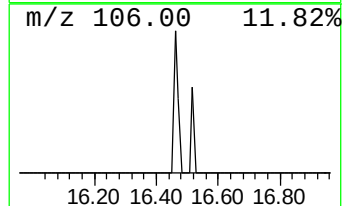
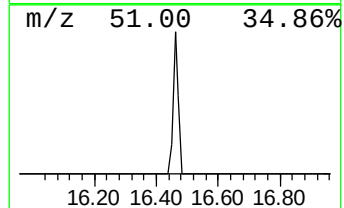
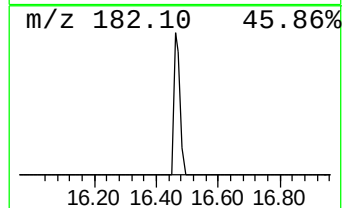
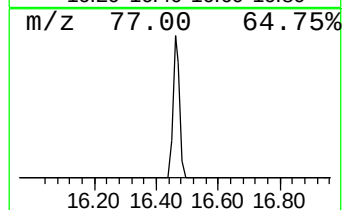
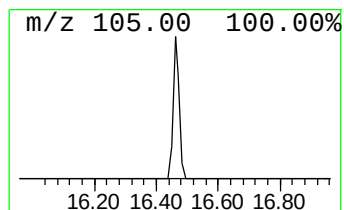
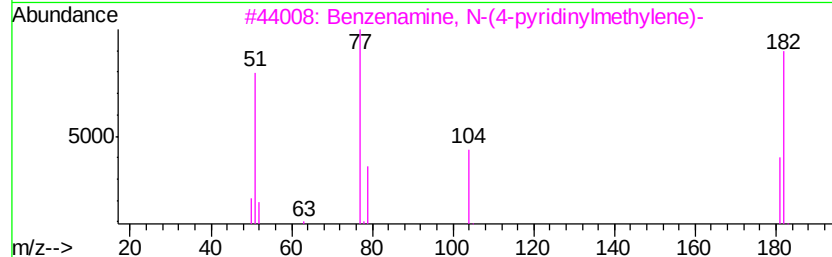
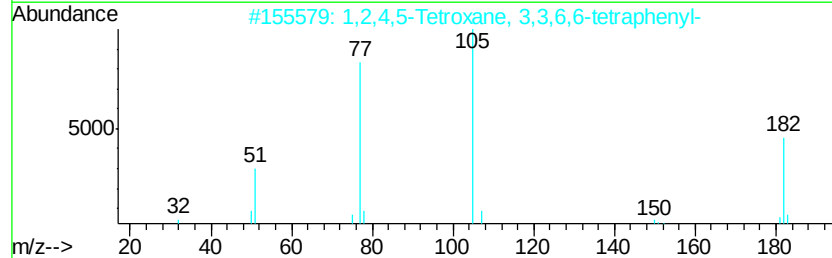
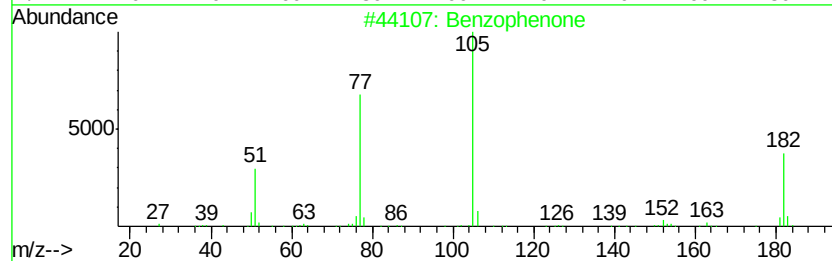
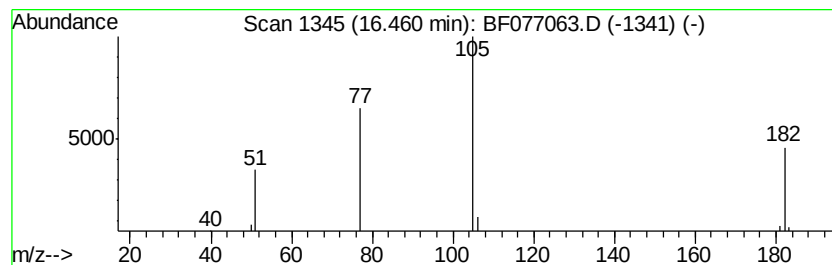
Instrument :  
BNA\_F  
ClientSampleId :  
275B2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Benzophenone Concentration Rank 6

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 16.46     | 2.04 ng                             | 19681 | Phenanthrene-d10 | 17.63       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | Benzophenone                        | 182   | C13H10O          | 000119-61-9 | 90   |
| 2         | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396   | C26H20O4         | 016204-36-7 | 64   |
| 3         | Benzenamine, N-(4-pyridinylmethy... | 182   | C12H10N2         | 027768-46-3 | 64   |
| 4         | 2-Phenyl-4-ethylidene-2-oxazolin... | 187   | C11H9NO2         | 037791-41-6 | 40   |
| 5         | 1,1-Diphenyl-2-phenylthiobut-3-e... | 332   | C22H20OS         | 097370-20-2 | 39   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077063.D  
Acq On : 26 Jan 2015 20:57  
Operator : TP/IZ  
Sample : G1138-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

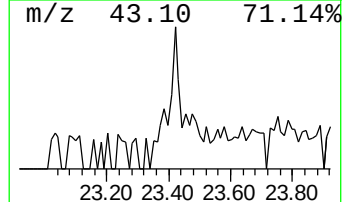
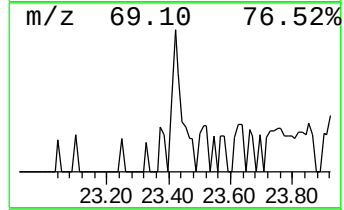
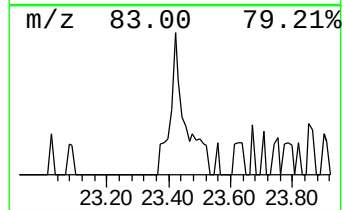
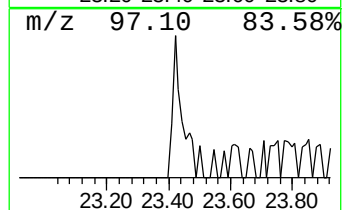
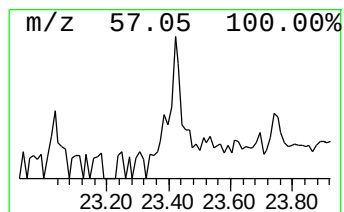
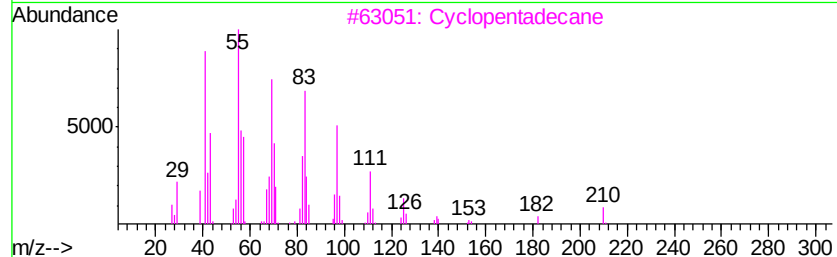
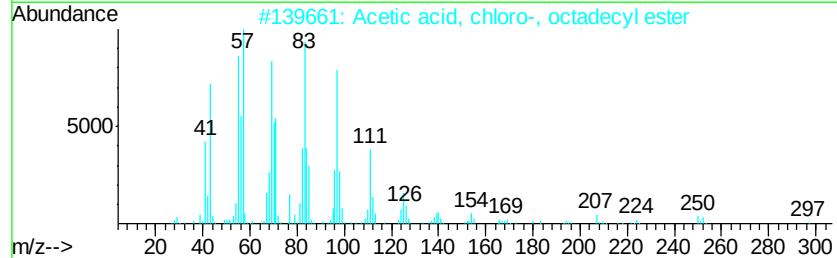
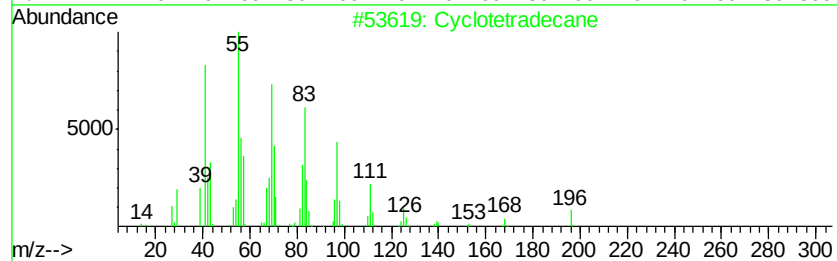
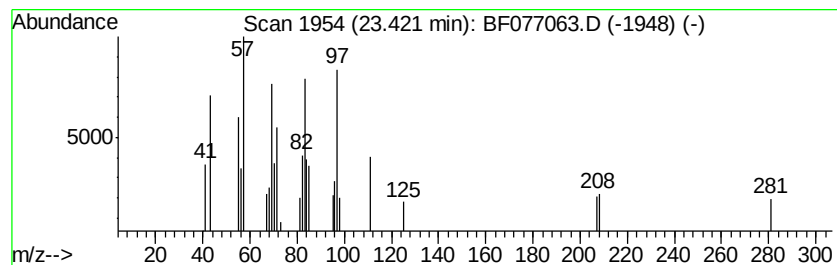
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Cyclotetradecane Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 23.42 | 4.25 ng | 38400 | Perylene-d12     | 22.79 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Cyclotetradecane                    | 196 | C14H28     | 000295-17-0 | 83   |
| 2    |    | Acetic acid, chloro-, octadecyl ... | 346 | C20H39ClO2 | 005348-82-3 | 80   |
| 3    |    | Cyclopentadecane                    | 210 | C15H30     | 000295-48-7 | 80   |
| 4    |    | 2- Chloropropionic acid, hexadec... | 332 | C19H37ClO2 | 086711-81-1 | 76   |
| 5    |    | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2 | 018992-03-5 | 74   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077063.D  
Acq On : 26 Jan 2015 20:57  
Operator : TP/IZ  
Sample : G1138-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.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 |
| 2-Pentanone, 4-hy... | 3.83  | 12.8    | ng    | 75954    | 1                     | 7.76  | 119056 | 20.0 |
| unknown7.25          | 7.25  | 84.6    | ng    | 503477   | 1                     | 7.76  | 119056 | 20.0 |
| Benzophenone         | 16.46 | 2.0     | ng    | 19681    | 4                     | 17.63 | 192871 | 20.0 |
| Cyclotetradecane     | 23.42 | 4.3     | ng    | 38400    | 6                     | 22.79 | 180815 | 20.0 |