

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011116\  
 Data File : BF084394.D  
 Acq On : 11 Jan 2016 22:26  
 Operator : SJ/UM  
 Sample : H1074-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-10-010516

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:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.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         | 2.681       | 49            | 52          | 55           | rVB      | 332889         | 440411        | 4.28%           | 0.481%        |
| 2         | 4.396       | 200           | 202         | 206          | rVB      | 68691          | 109266        | 1.06%           | 0.119%        |
| 3         | 5.059       | 256           | 260         | 268          | rVB      | 2148757        | 3752403       | 36.45%          | 4.097%        |
| 4         | 5.482       | 294           | 297         | 299          | rBV      | 7382250        | 9870133       | 95.87%          | 10.776%       |
| 5         | 6.499       | 383           | 386         | 389          | rBV      | 6927636        | 8168089       | 79.34%          | 8.918%        |
| 6         | 6.625       | 394           | 397         | 400          | rBV      | 7752373        | 9641465       | 93.65%          | 10.527%       |
| 7         | 6.853       | 415           | 417         | 419          | rBV      | 2852431        | 2321382       | 22.55%          | 2.535%        |
| 8         | 7.013       | 428           | 431         | 433          | rVB      | 8596001        | 8004641       | 77.75%          | 8.740%        |
| 9         | 7.425       | 463           | 467         | 469          | rBV      | 6893080        | 7515637       | 73.00%          | 8.206%        |
| 10        | 7.676       | 487           | 489         | 492          | rVB      | 197038         | 185015        | 1.80%           | 0.202%        |
| 11        | 7.882       | 504           | 507         | 510          | rBV      | 117944         | 178410        | 1.73%           | 0.195%        |
| 12        | 8.145       | 527           | 530         | 534          | rBV2     | 2670247        | 5715979       | 55.52%          | 6.241%        |
| 13        | 8.213       | 534           | 536         | 538          | rVB      | 223755         | 201743        | 1.96%           | 0.220%        |
| 14        | 8.853       | 589           | 592         | 594          | rBV      | 561619         | 461964        | 4.49%           | 0.504%        |
| 15        | 8.945       | 598           | 600         | 602          | rVB      | 95932          | 124455        | 1.21%           | 0.136%        |
| 16        | 9.219       | 621           | 624         | 627          | rBV      | 10411658       | 10295469      | 100.00%         | 11.241%       |
| 17        | 9.893       | 681           | 683         | 685          | rBV      | 3740462        | 3201406       | 31.10%          | 3.495%        |
| 18        | 10.316      | 716           | 720         | 722          | rBV2     | 104376         | 124853        | 1.21%           | 0.136%        |
| 19        | 10.682      | 749           | 752         | 755          | rBV      | 5539952        | 6012204       | 58.40%          | 6.564%        |
| 20        | 10.899      | 769           | 771         | 772          | rBV      | 148481         | 120295        | 1.17%           | 0.131%        |
| 21        | 11.379      | 810           | 813         | 815          | rBV      | 2876827        | 2836011       | 27.55%          | 3.096%        |
| 22        | 12.968      | 949           | 952         | 954          | rBV      | 8381204        | 8410466       | 81.69%          | 9.183%        |
| 23        | 14.008      | 1041          | 1043        | 1046         | rBV      | 1806051        | 1858572       | 18.05%          | 2.029%        |
| 24        | 15.437      | 1165          | 1168        | 1171         | rBV      | 1261364        | 1617316       | 15.71%          | 1.766%        |
| 25        | 16.088      | 1218          | 1225        | 1232         | rBV4     | 86817          | 423380        | 4.11%           | 0.462%        |

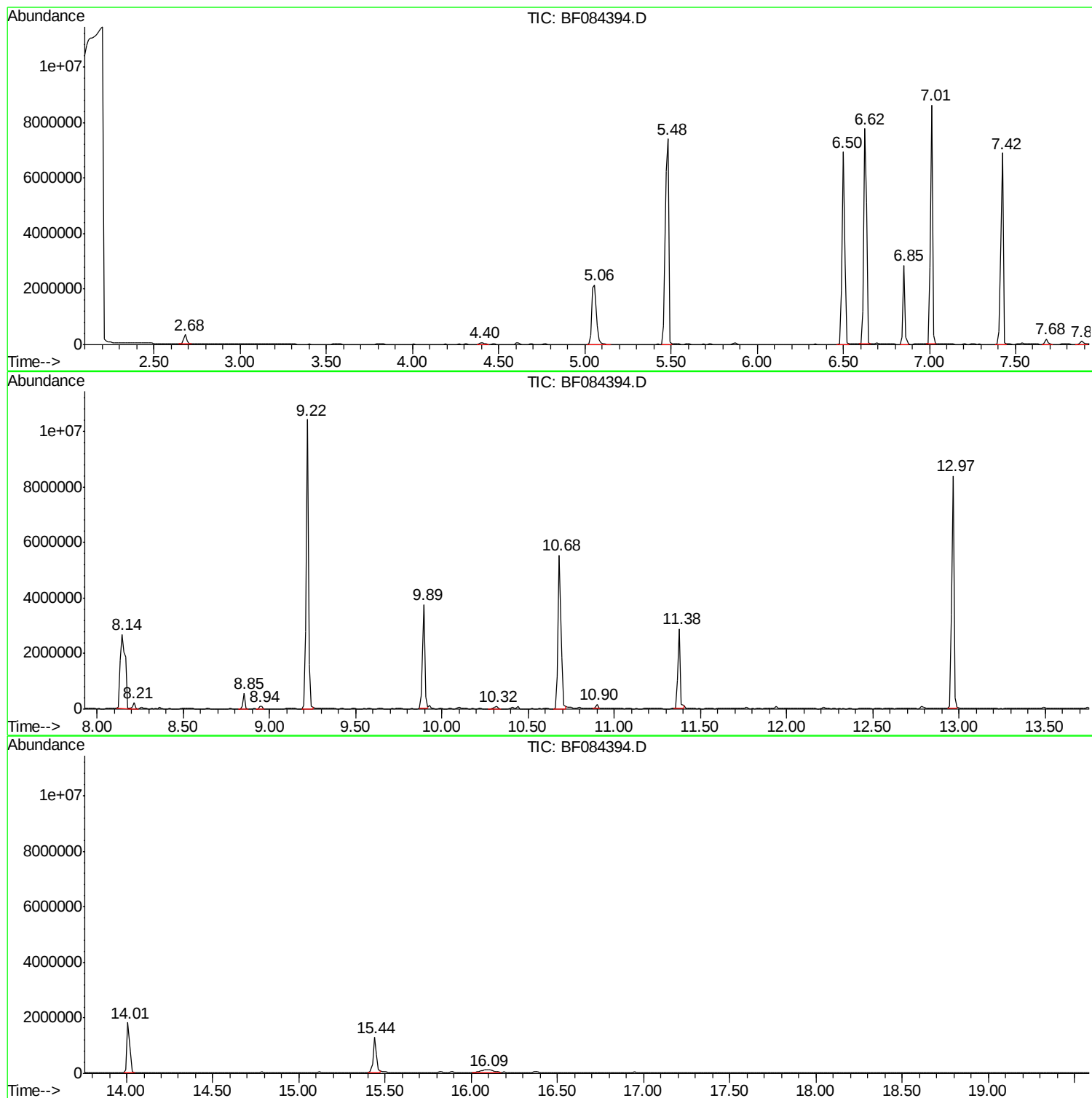
Sum of corrected areas: 91590965

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011116\  
Data File : BF084394.D  
Acq On : 11 Jan 2016 22:26  
Operator : SJ/UM  
Sample : H1074-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-10-010516

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.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\BF011116\  
Data File : BF084394.D  
Acq On : 11 Jan 2016 22:26  
Operator : SJ/UM  
Sample : H1074-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-10-010516

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

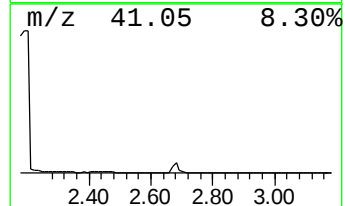
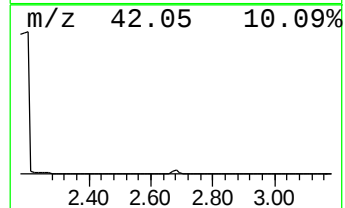
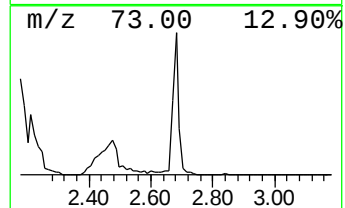
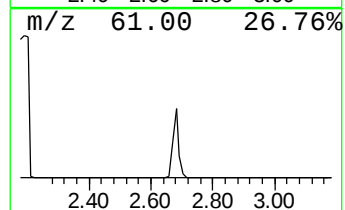
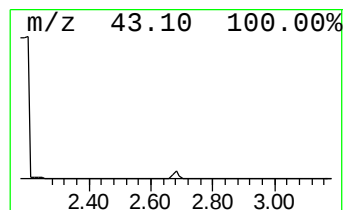
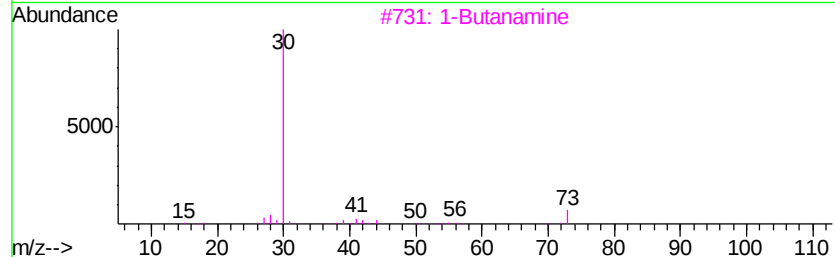
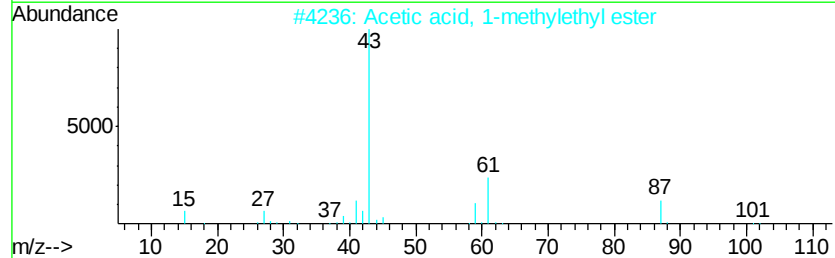
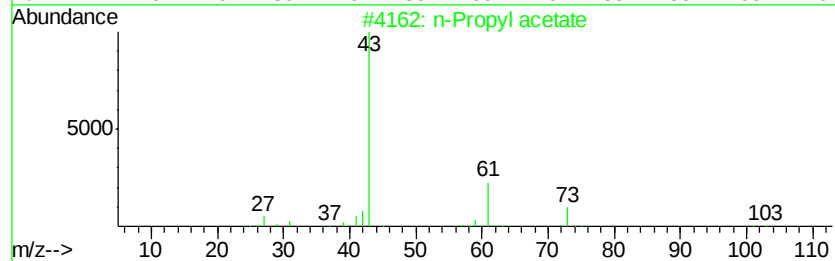
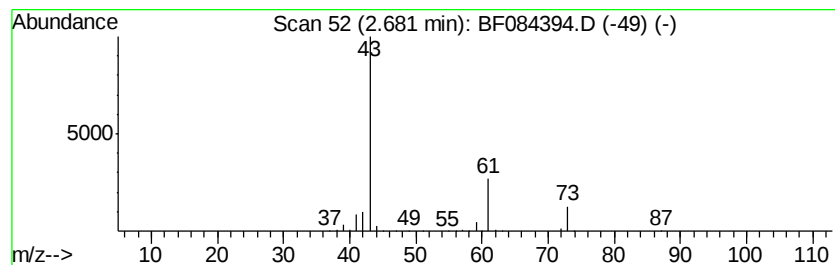
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Propyl acetate Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.68 | 3.79 ng | 440411 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | n-Propyl acetate                 | 102 | C5H10O2 | 000109-60-4 | 78   |
| 2    |    | Acetic acid, 1-methylethyl ester | 102 | C5H10O2 | 000108-21-4 | 9    |
| 3    |    | 1-Butanamine                     | 73  | C4H11N  | 000109-73-9 | 7    |
| 4    |    | Pentane                          | 72  | C5H12   | 000109-66-0 | 5    |
| 5    |    | Isobutylamine                    | 73  | C4H11N  | 000078-81-9 | 5    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011116\  
Data File : BF084394.D  
Acq On : 11 Jan 2016 22:26  
Operator : SJ/UM  
Sample : H1074-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

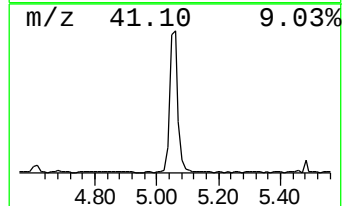
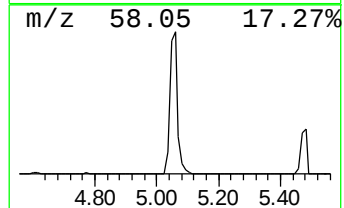
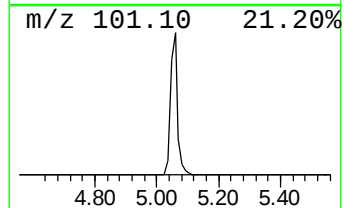
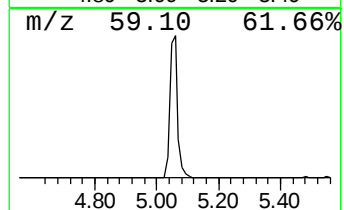
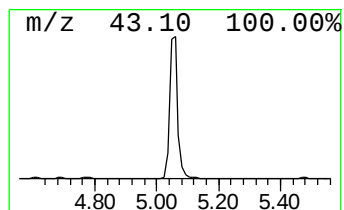
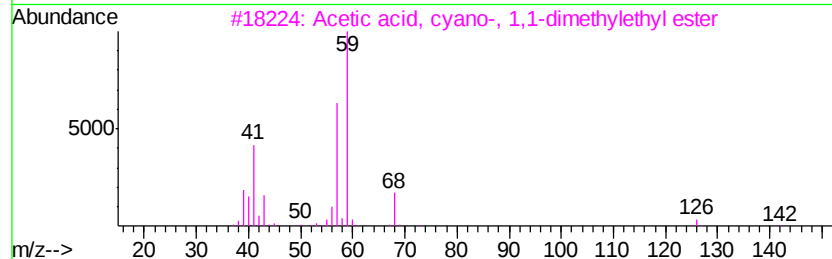
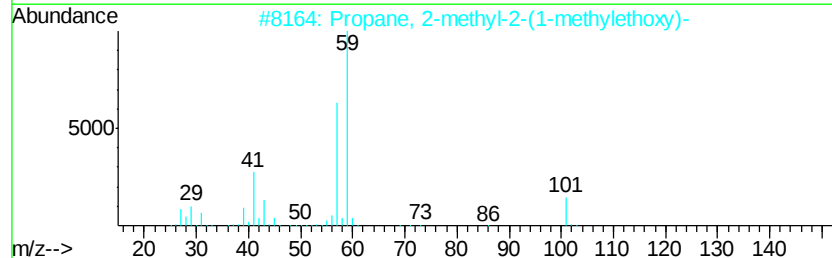
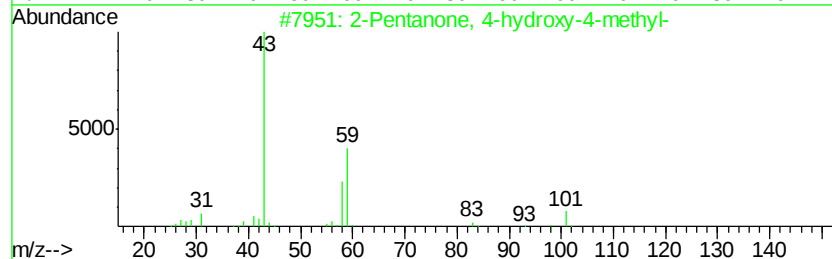
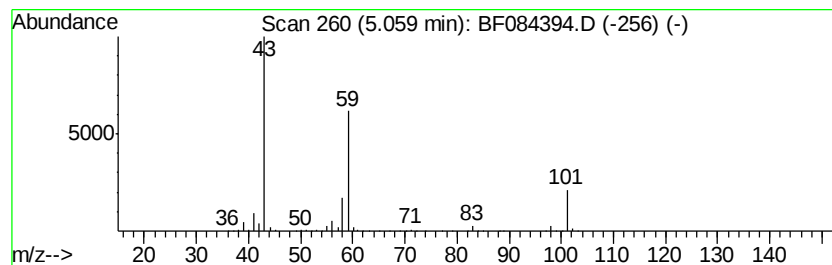
Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-10-010516

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.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.        |      |      |
|---------|-------------------------------------|--------------|------------------------|-------------|------|------|
| 5.06    | 32.33 ng                            | 3752400      | 1,4-Dichlorobenzene-d4 | 6.85        |      |      |
| Hit# of | 5                                   | Tentative ID | MW                     | MolForm     | CAS# | Qual |
| 1       | 2-Pentanone, 4-hydroxy-4-methyl-    | 116          | C6H12O2                | 000123-42-2 | 56   |      |
| 2       | Propane, 2-methyl-2-(1-methyleth... | 116          | C7H16O                 | 017348-59-3 | 53   |      |
| 3       | Acetic acid, cyano-, 1,1-dimethy... | 141          | C7H11NO2               | 001116-98-9 | 23   |      |
| 4       | Acetone                             | 58           | C3H6O                  | 000067-64-1 | 9    |      |
| 5       | Morpholine, 4-methyl-               | 101          | C5H11NO                | 000109-02-4 | 9    |      |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011116\  
Data File : BF084394.D  
Acq On : 11 Jan 2016 22:26  
Operator : SJ/UM  
Sample : H1074-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-10-010516

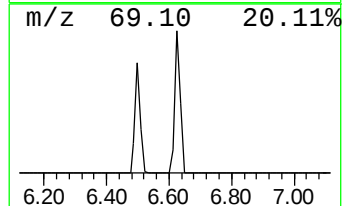
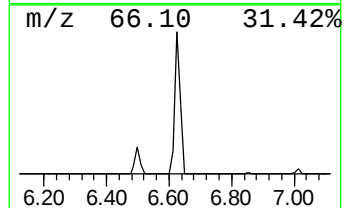
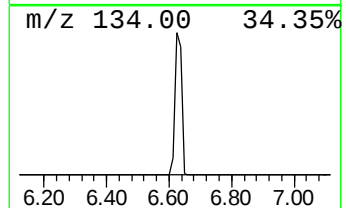
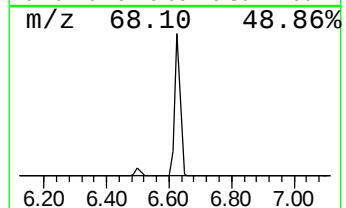
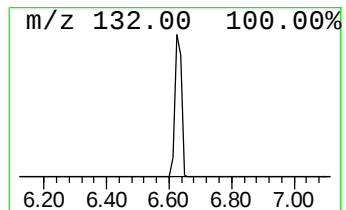
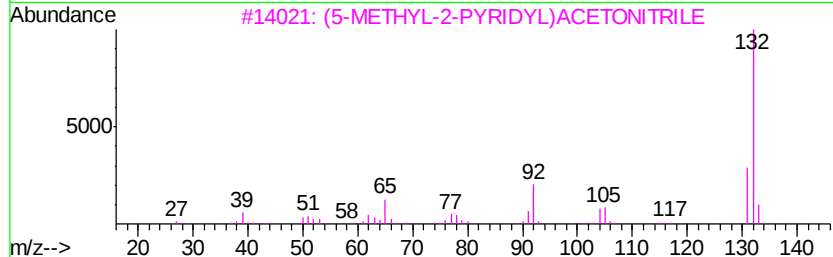
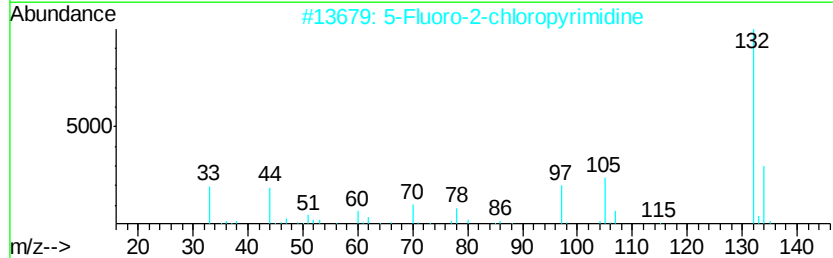
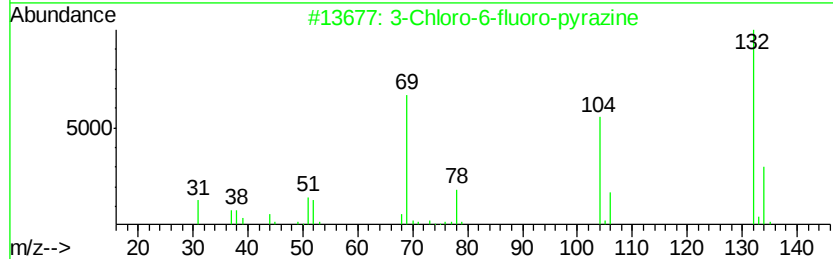
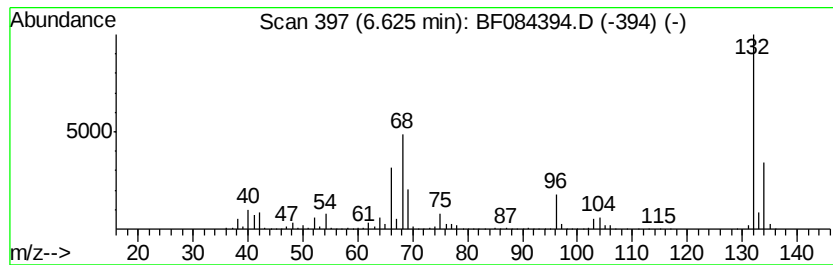
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 unknown6.62 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.62 | 83.07 ng | 9641470 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | 1,2,3-Trifluorobenzene           | 132 | C6H3F3    | 001489-53-8  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011116\  
Data File : BF084394.D  
Acq On : 11 Jan 2016 22:26  
Operator : SJ/UM  
Sample : H1074-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-10-010516

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

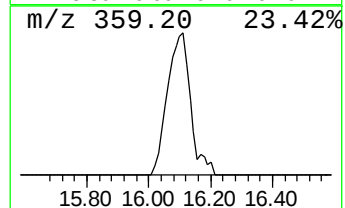
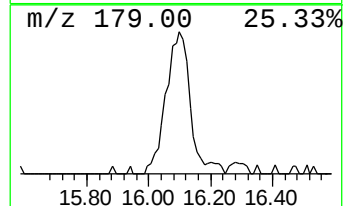
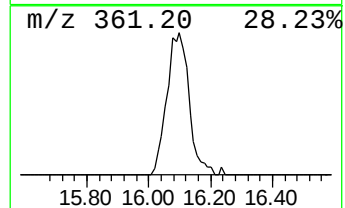
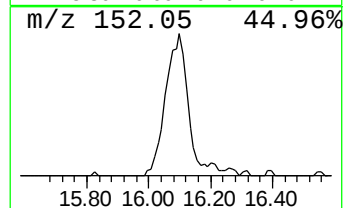
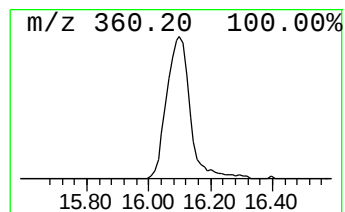
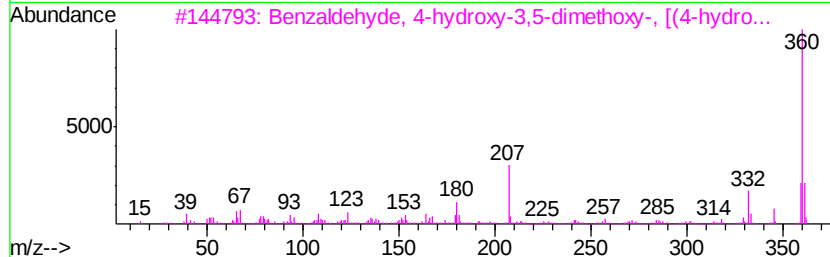
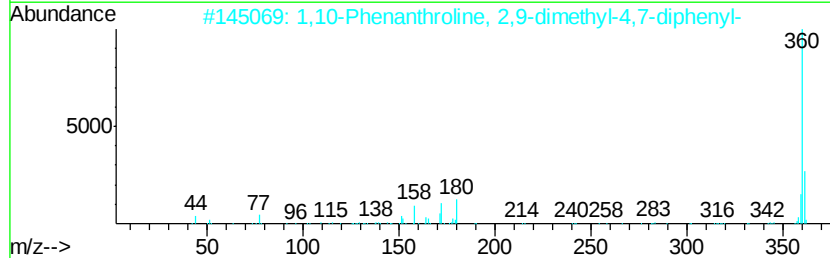
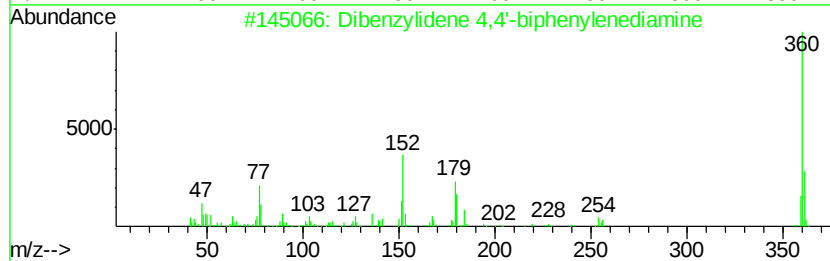
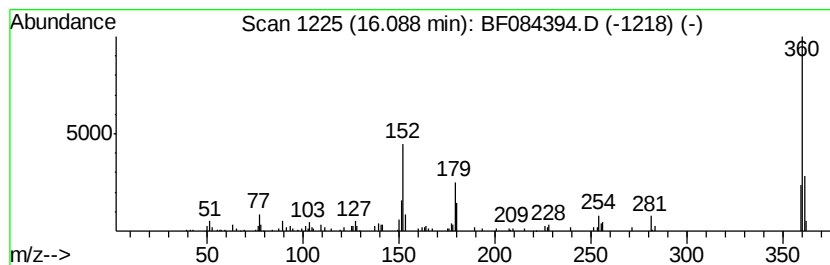
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Dibenzylidene 4,4'-biphenyl... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.09 | 5.24 ng | 423380 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Dibenzylidene 4,4'-biphenylenedi... | 360 | C26H20N2   | 006311-48-4  | 93   |
| 2    |    | 1,10-Phenanthroline, 2,9-dimethy... | 360 | C26H20N2   | 004733-39-5  | 49   |
| 3    |    | Benzaldehyde, 4-hydroxy-3,5-dime... | 360 | C18H20N2O6 | 014414-32-5  | 47   |
| 4    |    | N,N'-di-2-Naphthyl-p-phenylenedi... | 360 | C26H20N2   | 000093-46-9  | 46   |
| 5    |    | 1,3,2-Dioxaborolane, bis(spiro[4... | 360 | C20H13B06  | 1000150-23-7 | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011116\  
Data File : BF084394.D  
Acq On : 11 Jan 2016 22:26  
Operator : SJ/UM  
Sample : H1074-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-10-010516

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.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 |
| n-Propyl acetate     | 2.68  | 3.8     | ng    | 440411   | 1                     | 6.85  | 2321380 | 20.0 |
| 2-Pentanone, 4-hy... | 5.06  | 32.3    | ng    | 3752400  | 1                     | 6.85  | 2321380 | 20.0 |
| unknown6.62          | 6.62  | 83.1    | ng    | 9641470  | 1                     | 6.85  | 2321380 | 20.0 |
| Dibenzylidene 4,4... | 16.09 | 5.2     | ng    | 423380   | 6                     | 15.44 | 1617320 | 20.0 |