

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\  
 Data File : BF081390.D  
 Acq On : 3 Sep 2015 22:22  
 Operator : UM/IZ  
 Sample : G3511-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02(7-8)

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-BF090115.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         | 3.553       | 170           | 172         | 179          | rBB      | 11993          | 26265         | 1.19%           | 0.140%        |
| 2         | 4.421       | 245           | 248         | 261          | rVB      | 696936         | 1406282       | 63.67%          | 7.490%        |
| 3         | 4.924       | 289           | 292         | 295          | rBV      | 1834491        | 1940340       | 87.85%          | 10.334%       |
| 4         | 5.347       | 327           | 329         | 332          | rBV      | 27473          | 24362         | 1.10%           | 0.130%        |
| 5         | 6.044       | 387           | 390         | 392          | rBV      | 1998364        | 2208796       | 100.00%         | 11.764%       |
| 6         | 6.136       | 396           | 398         | 401          | rVV      | 1944356        | 1815525       | 82.20%          | 9.670%        |
| 7         | 6.364       | 416           | 418         | 421          | rVB      | 401295         | 366705        | 16.60%          | 1.953%        |
| 8         | 6.524       | 429           | 432         | 434          | rBV      | 1706724        | 1502389       | 68.02%          | 8.002%        |
| 9         | 6.947       | 466           | 469         | 471          | rBV      | 1338686        | 1373083       | 62.16%          | 7.313%        |
| 10        | 7.096       | 479           | 482         | 488          | rVB      | 22201          | 30781         | 1.39%           | 0.164%        |
| 11        | 7.656       | 529           | 531         | 534          | rVB      | 531302         | 468263        | 21.20%          | 2.494%        |
| 12        | 8.742       | 623           | 626         | 628          | rBV      | 2156426        | 2013444       | 91.16%          | 10.724%       |
| 13        | 9.142       | 659           | 661         | 664          | rBV      | 371259         | 411830        | 18.64%          | 2.193%        |
| 14        | 9.393       | 681           | 683         | 686          | rVB      | 389013         | 486853        | 22.04%          | 2.593%        |
| 15        | 10.182      | 749           | 752         | 755          | rBV      | 1333126        | 1268968       | 57.45%          | 6.759%        |
| 16        | 10.330      | 763           | 765         | 769          | rBV      | 24252          | 30481         | 1.38%           | 0.162%        |
| 17        | 10.868      | 809           | 812         | 814          | rBV      | 358466         | 496199        | 22.46%          | 2.643%        |
| 18        | 11.131      | 833           | 835         | 840          | rBV      | 101340         | 120904        | 5.47%           | 0.644%        |
| 19        | 11.439      | 860           | 862         | 866          | rBV      | 26508          | 36189         | 1.64%           | 0.193%        |
| 20        | 11.942      | 904           | 906         | 914          | rBV      | 186431         | 246468        | 11.16%          | 1.313%        |
| 21        | 12.445      | 947           | 950         | 953          | rBV      | 1295021        | 1787484       | 80.93%          | 9.520%        |
| 22        | 13.371      | 1025          | 1031        | 1037         | rBV      | 23213          | 46674         | 2.11%           | 0.249%        |
| 23        | 13.474      | 1037          | 1040        | 1042         | rBV      | 301060         | 405796        | 18.37%          | 2.161%        |
| 24        | 14.777      | 1152          | 1154        | 1157         | rBV      | 254152         | 261370        | 11.83%          | 1.392%        |

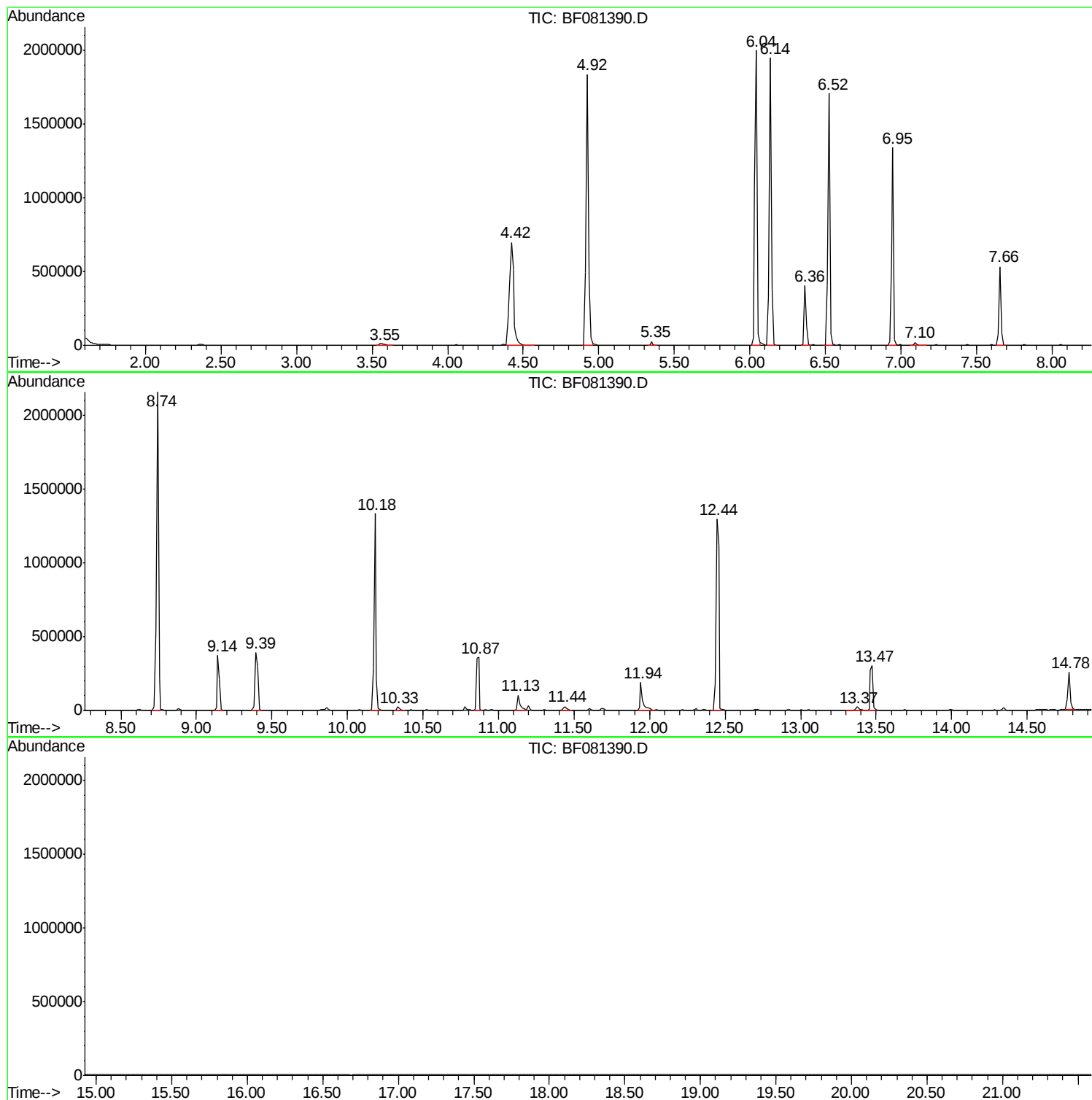
Sum of corrected areas: 18775451

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\  
Data File : BF081390.D  
Acq On : 3 Sep 2015 22:22  
Operator : UM/IZ  
Sample : G3511-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(7-8)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.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\BF090315\  
Data File : BF081390.D  
Acq On : 3 Sep 2015 22:22  
Operator : UM/IZ  
Sample : G3511-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(7-8)

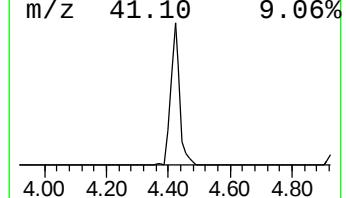
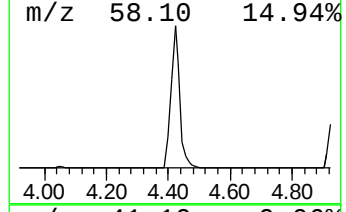
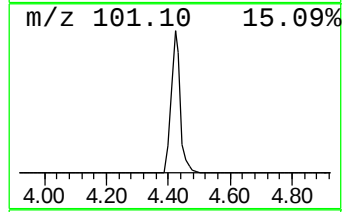
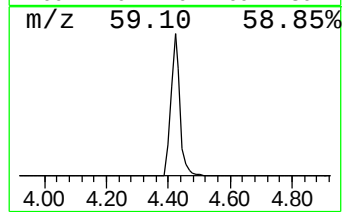
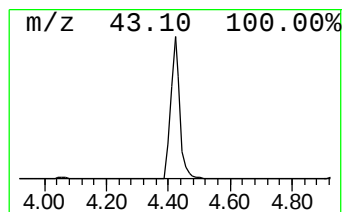
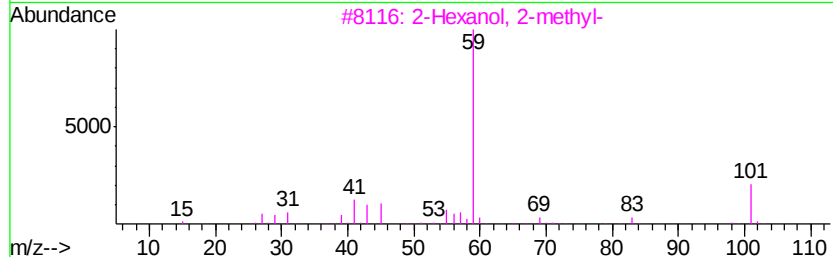
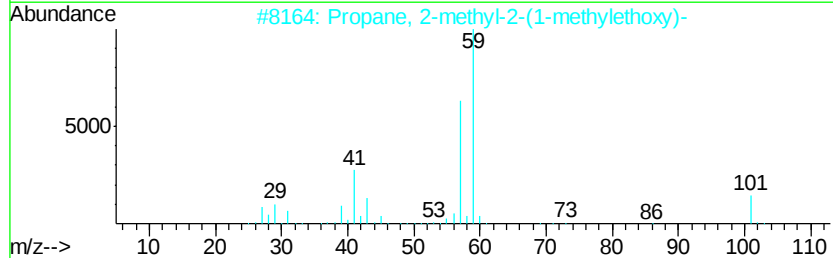
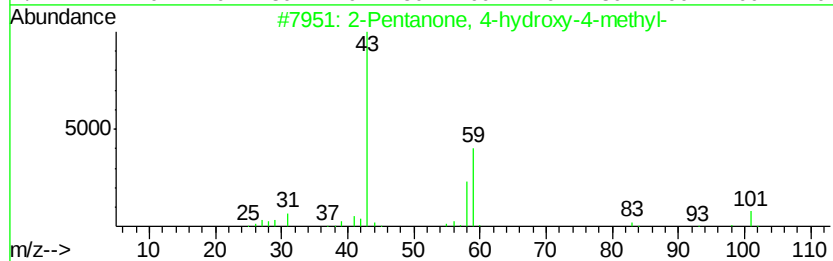
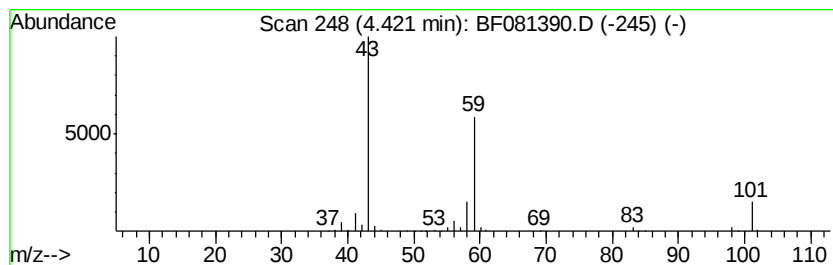
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.42 | 76.70 ng | 1406280 | 1,4-Dichlorobenzene-d4 | 6.36 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 42   |
| 3    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 33   |
| 4    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090315\  
Data File : BF081390.D  
Acq On : 3 Sep 2015 22:22  
Operator : UM/IZ  
Sample : G3511-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(7-8)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

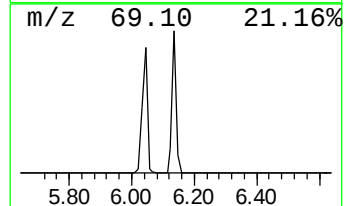
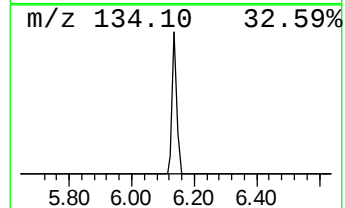
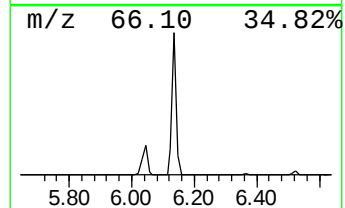
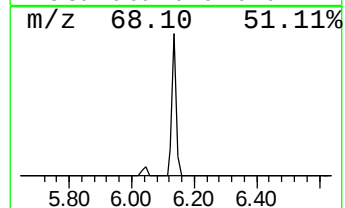
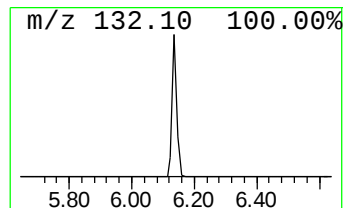
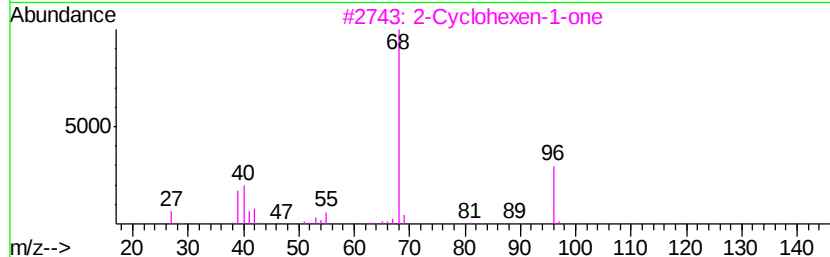
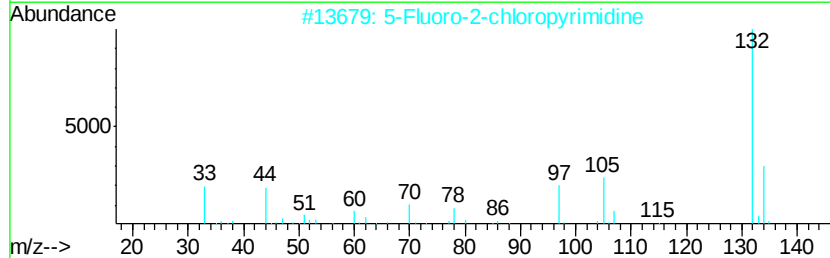
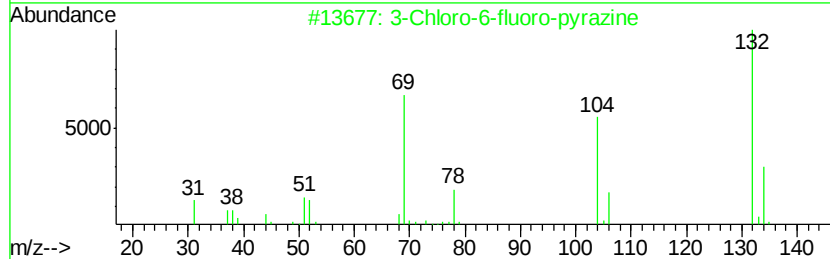
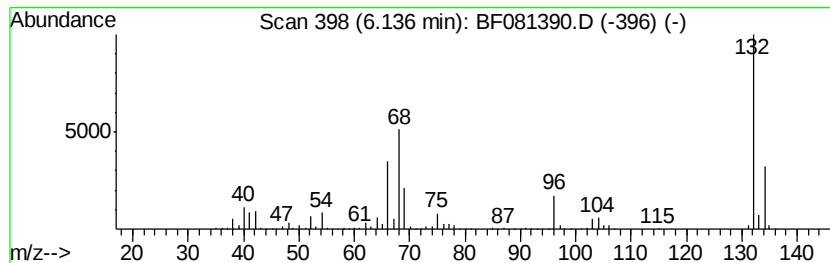
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.14 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.14 | 99.02 ng | 1815530 | 1,4-Dichlorobenzene-d4 | 6.36 |

| 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  | 16   |
| 3    |    | 2-Cyclohexen-1-one               | 96  | C6H8O     | 000930-68-7  | 11   |
| 4    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12    | 005379-20-4  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090315\  
Data File : BF081390.D  
Acq On : 3 Sep 2015 22:22  
Operator : UM/IZ  
Sample : G3511-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(7-8)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

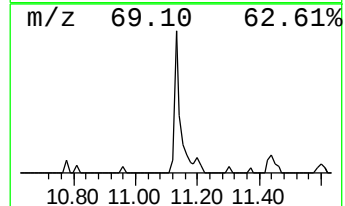
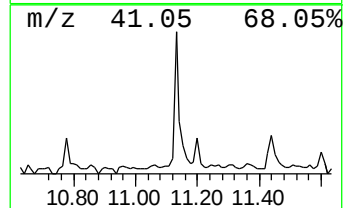
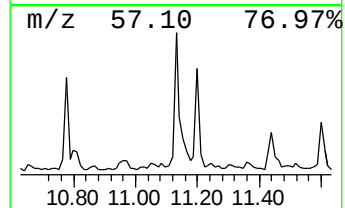
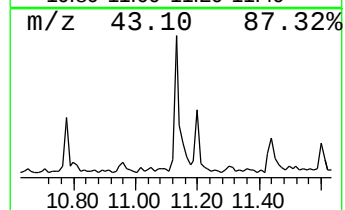
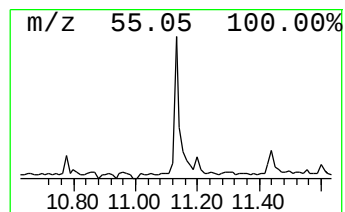
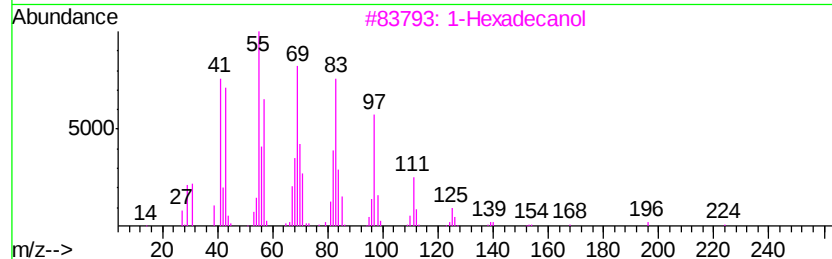
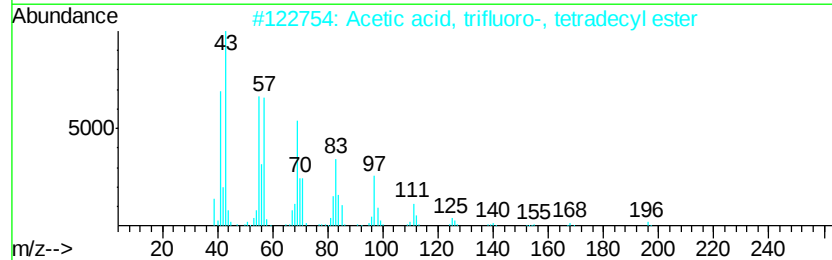
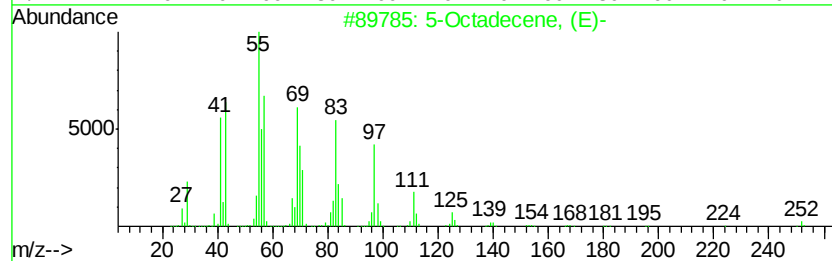
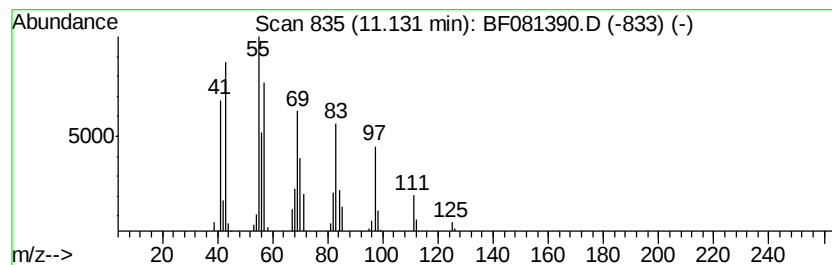
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 5-Octadecene, (E)- Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.13 | 4.87 ng | 120904 | Phenanthrene-d10 | 10.87 |

| Hit# of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|---------|---|--------------------------------------|-----|------------|--------------|------|
| 1       |   | 5-Octadecene, (E)-                   | 252 | C18H36     | 007206-21-5  | 87   |
| 2       |   | Acetic acid, trifluoro-, tetradec... | 310 | C16H29F3O2 | 006222-02-2  | 86   |
| 3       |   | 1-Hexadecanol                        | 242 | C16H34O    | 036653-82-4  | 83   |
| 4       |   | 1-Hexadecene                         | 224 | C16H32     | 000629-73-2  | 83   |
| 5       |   | Pentafluoropropionic acid, penta...  | 374 | C18H31F5O2 | 1000280-07-5 | 83   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\  
Data File : BF081390.D  
Acq On : 3 Sep 2015 22:22  
Operator : UM/IZ  
Sample : G3511-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(7-8)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

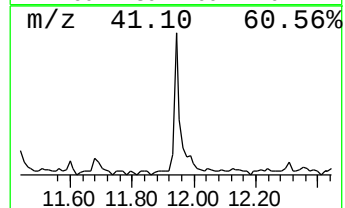
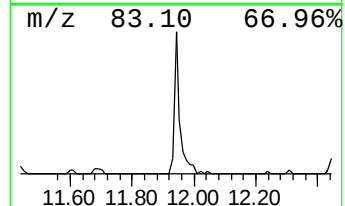
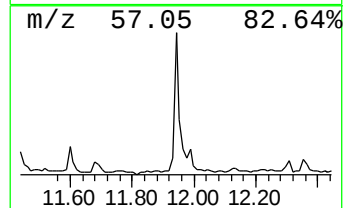
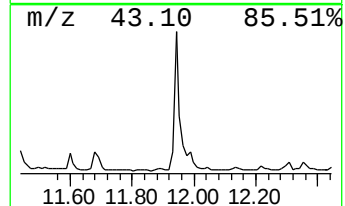
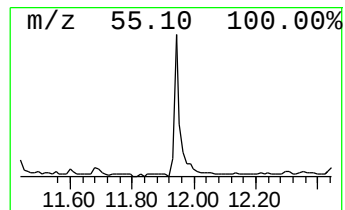
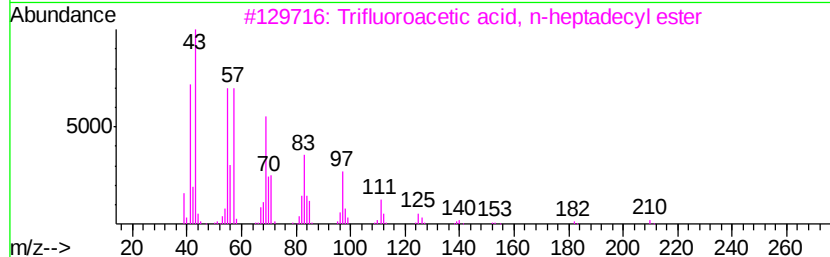
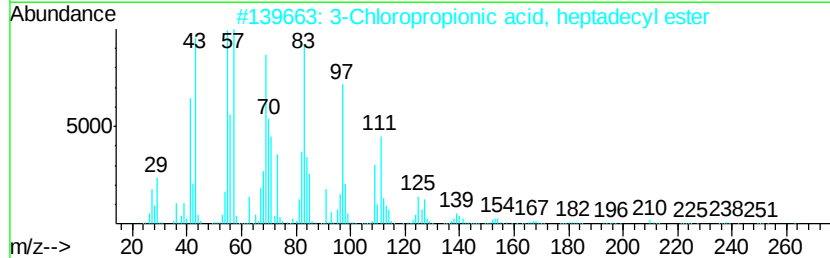
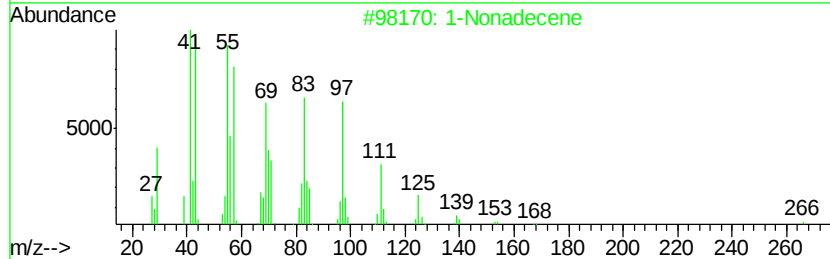
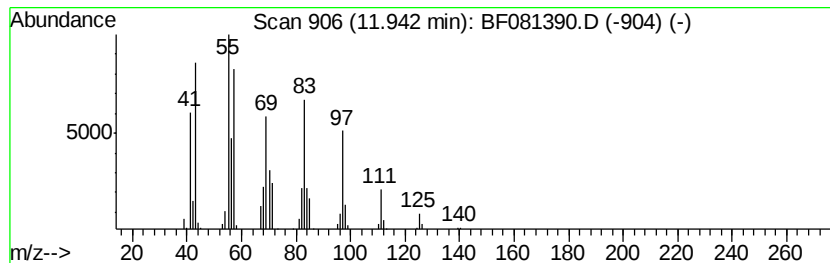
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 1-Nonadecene Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.94 | 9.93 ng | 246468 | Phenanthrene-d10 | 10.87 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm    | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|------------|--------------|------|
| 1       | 1-Nonadecene                        |              | 266 | C19H38     | 018435-45-5  | 91   |
| 2       | 3-Chloropropionic acid, heptadec... |              | 346 | C20H39ClO2 | 1000283-05-1 | 90   |
| 3       | Trifluoroacetic acid, n-heptadec... |              | 324 | C17H31F3O2 | 1000216-79-2 | 90   |
| 4       | 1-Docosene                          |              | 308 | C22H44     | 001599-67-3  | 80   |
| 5       | 9-Octadecene, (E)-                  |              | 252 | C18H36     | 007206-25-9  | 80   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\  
Data File : BF081390.D  
Acq On : 3 Sep 2015 22:22  
Operator : UM/IZ  
Sample : G3511-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(7-8)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

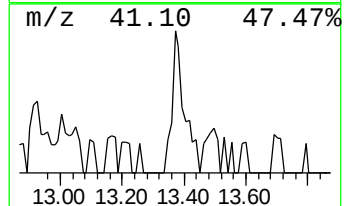
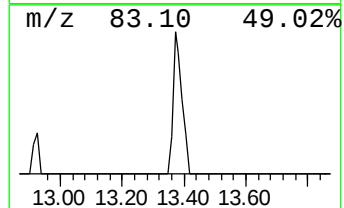
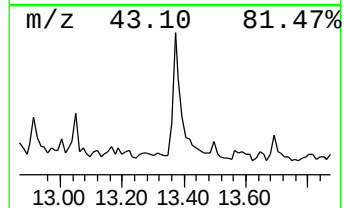
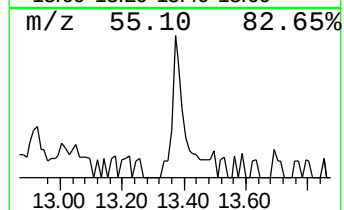
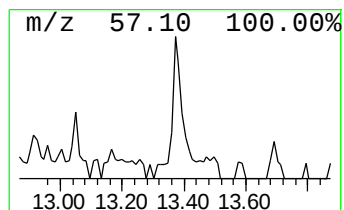
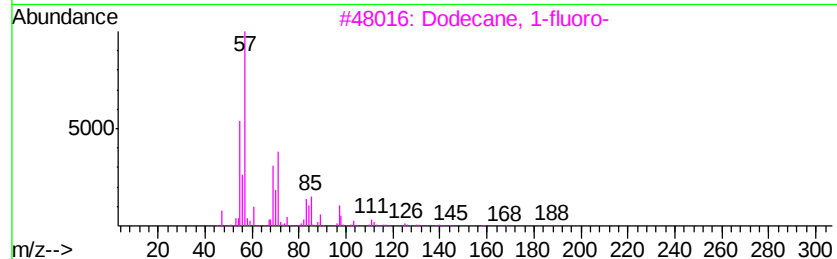
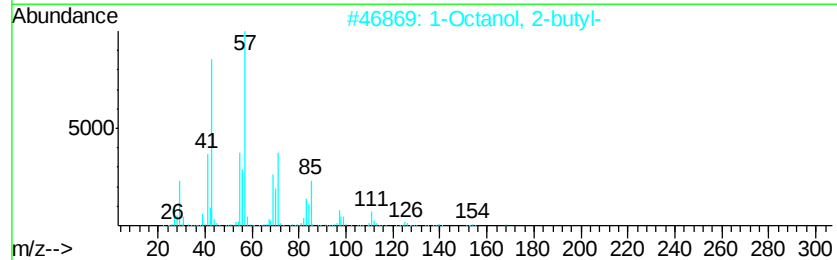
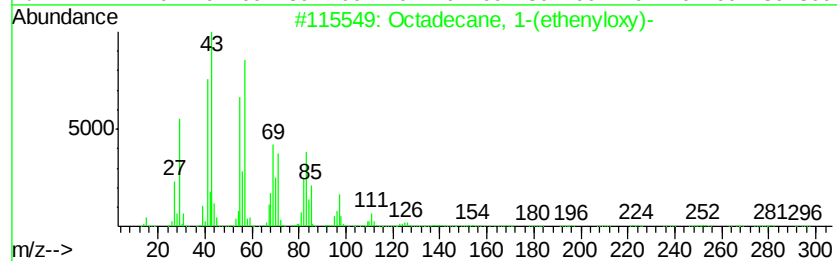
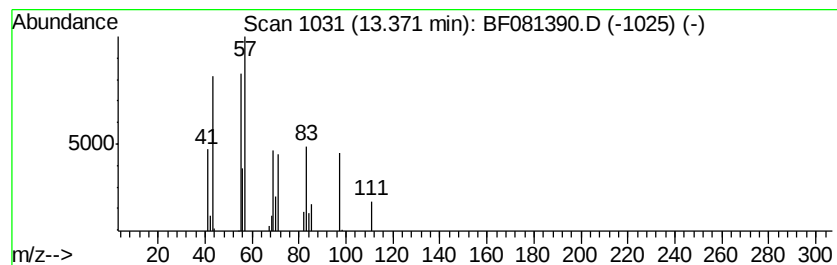
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Octadecane, 1-(ethenyloxy)- Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.37 | 2.30 ng | 46674 | Chrysene-d12     | 13.47 |

| Hit# | of | Tentative ID                | MW  | MolForm     | CAS#        | Qual |
|------|----|-----------------------------|-----|-------------|-------------|------|
| 1    | 5  | Octadecane, 1-(ethenvloxy)- | 296 | C20H40O     | 000930-02-9 | 64   |
| 2    |    | 1-Octanol, 2-butyl-         | 186 | C12H26O     | 003913-02-8 | 53   |
| 3    |    | Dodecane, 1-fluoro-         | 188 | C12H25F     | 000334-68-9 | 53   |
| 4    |    | Silane, trichlorodocosyl-   | 442 | C22H45Cl3Si | 007325-84-0 | 42   |
| 5    |    | 1,3-Cyclohexanediamine      | 114 | C6H14N2     | 003385-21-5 | 38   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090315\  
Data File : BF081390.D  
Acq On : 3 Sep 2015 22:22  
Operator : UM/IZ  
Sample : G3511-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(7-8)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.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... | 4.42  | 76.7    | ng    | 1406280  | 1                     | 6.36  | 366705 | 20.0 |
| unknown6.14          | 6.14  | 99.0    | ng    | 1815530  | 1                     | 6.36  | 366705 | 20.0 |
| 5-Octadecene, (E)-   | 11.13 | 4.9     | ng    | 120904   | 4                     | 10.87 | 496199 | 20.0 |
| 1-Nonadecene         | 11.94 | 9.9     | ng    | 246468   | 4                     | 10.87 | 496199 | 20.0 |
| Octadecane, 1-(et... | 13.37 | 2.3     | ng    | 46674    | 5                     | 13.47 | 405796 | 20.0 |