

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061115\  
 Data File : BF079902.D  
 Acq On : 11 Jun 2015 18:36  
 Operator : TP/IZ  
 Sample : G2522-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-18

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-BF061115.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         | 1.358       | 13            | 15          | 17           | rVB      | 156116         | 156591        | 6.53%           | 0.941%        |
| 2         | 2.170       | 85            | 86          | 100          | rVB      | 73994          | 206318        | 8.60%           | 1.240%        |
| 3         | 2.353       | 100           | 102         | 107          | rVV      | 572244         | 957827        | 39.92%          | 5.757%        |
| 4         | 2.456       | 110           | 111         | 130          | rVB      | 73757          | 229674        | 9.57%           | 1.380%        |
| 5         | 2.696       | 130           | 132         | 136          | rVB      | 334676         | 537798        | 22.42%          | 3.232%        |
| 6         | 5.999       | 419           | 421         | 424          | rBV      | 438123         | 546690        | 22.79%          | 3.286%        |
| 7         | 6.262       | 441           | 444         | 446          | rBV      | 281286         | 313297        | 13.06%          | 1.883%        |
| 8         | 6.993       | 506           | 508         | 510          | rBV      | 279354         | 329527        | 13.73%          | 1.980%        |
| 9         | 7.165       | 520           | 523         | 525          | rBV      | 789214         | 1059099       | 44.14%          | 6.365%        |
| 10        | 7.393       | 541           | 543         | 546          | rBV      | 348265         | 281110        | 11.72%          | 1.689%        |
| 11        | 7.553       | 555           | 557         | 559          | rBV      | 1371157        | 1160900       | 48.39%          | 6.977%        |
| 12        | 7.656       | 564           | 566         | 569          | rBV      | 1087580        | 917867        | 38.26%          | 5.516%        |
| 13        | 7.953       | 589           | 592         | 594          | rVB      | 694266         | 760427        | 31.69%          | 4.570%        |
| 14        | 8.433       | 631           | 634         | 635          | rBV      | 112490         | 130354        | 5.43%           | 0.783%        |
| 15        | 8.468       | 635           | 637         | 640          | rVB      | 102886         | 158104        | 6.59%           | 0.950%        |
| 16        | 8.685       | 654           | 656         | 657          | rBV      | 467053         | 423163        | 17.64%          | 2.543%        |
| 17        | 8.708       | 657           | 658         | 660          | rVB      | 1080722        | 816037        | 34.01%          | 4.904%        |
| 18        | 9.508       | 725           | 728         | 730          | rBV      | 297332         | 278812        | 11.62%          | 1.676%        |
| 19        | 9.759       | 748           | 750         | 753          | rVB      | 2247948        | 1867324       | 77.83%          | 11.223%       |
| 20        | 10.319      | 797           | 799         | 801          | rBV      | 200606         | 160379        | 6.68%           | 0.964%        |
| 21        | 10.456      | 809           | 811         | 813          | rBV      | 475521         | 445084        | 18.55%          | 2.675%        |
| 22        | 11.256      | 878           | 881         | 883          | rBV      | 1058142        | 980830        | 40.88%          | 5.895%        |
| 23        | 11.977      | 942           | 944         | 947          | rBV      | 506169         | 495241        | 20.64%          | 2.976%        |
| 24        | 13.725      | 1094          | 1097        | 1099         | rBV      | 2533929        | 2399203       | 100.00%         | 14.419%       |
| 25        | 15.051      | 1210          | 1213        | 1216         | rBV      | 483108         | 527509        | 21.99%          | 3.170%        |
| 26        | 17.017      | 1381          | 1385        | 1394         | rBV      | 264443         | 499759        | 20.83%          | 3.004%        |

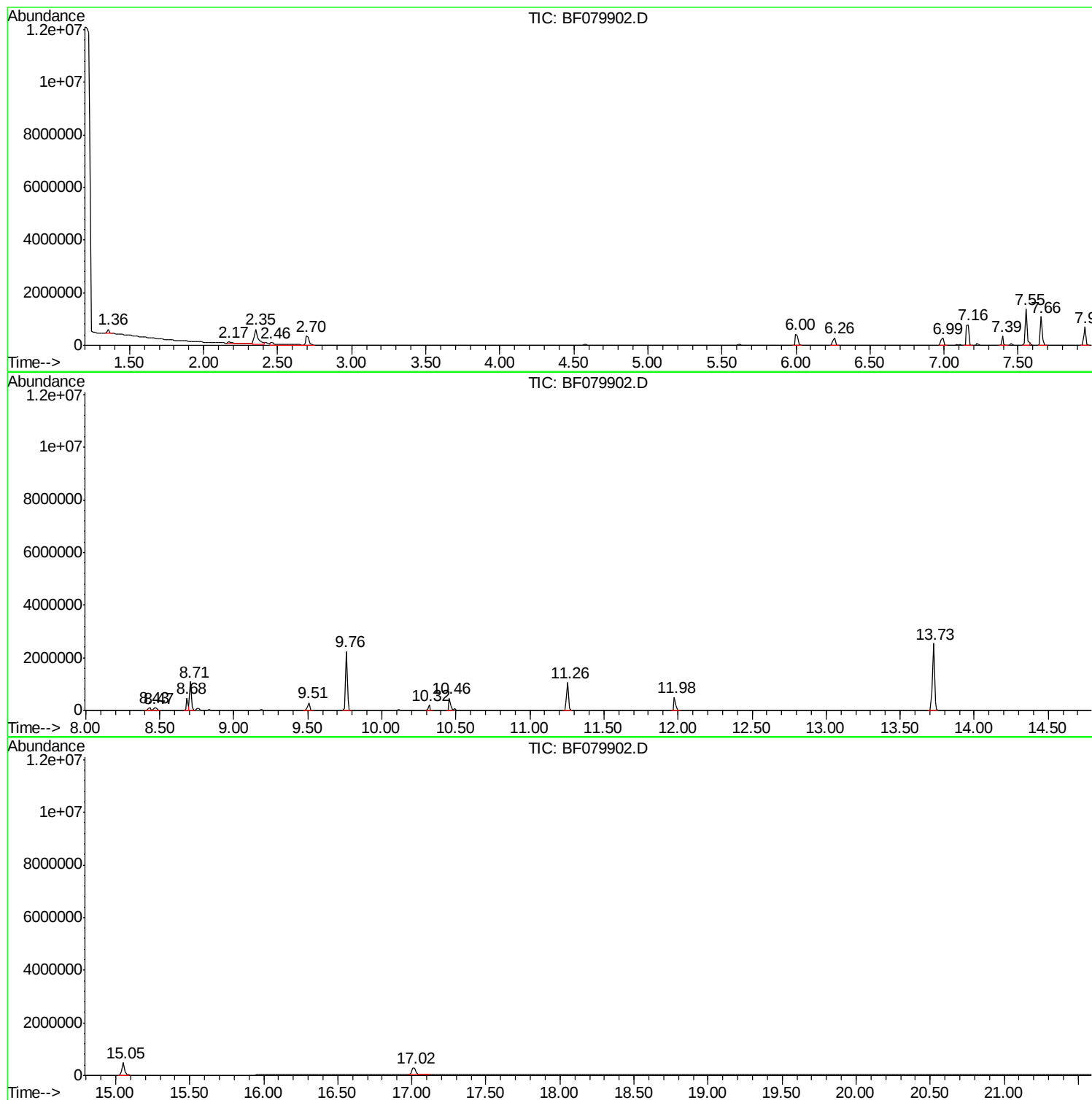
Sum of corrected areas: 16638924

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061115\  
Data File : BF079902.D  
Acq On : 11 Jun 2015 18:36  
Operator : TP/IZ  
Sample : G2522-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-18

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.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\BF061115\  
Data File : BF079902.D  
Acq On : 11 Jun 2015 18:36  
Operator : TP/IZ  
Sample : G2522-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-18

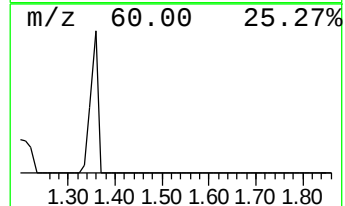
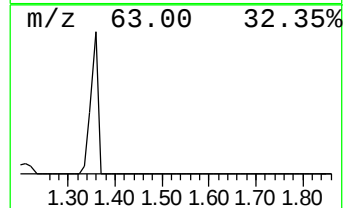
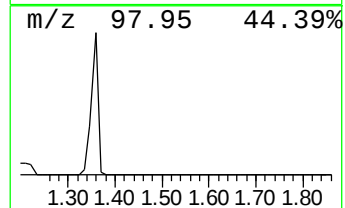
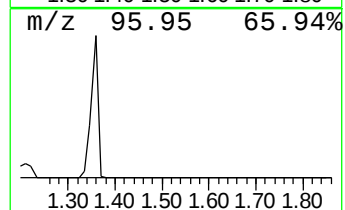
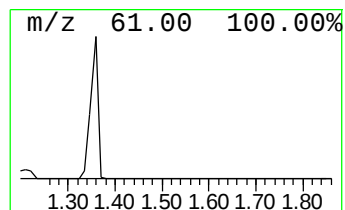
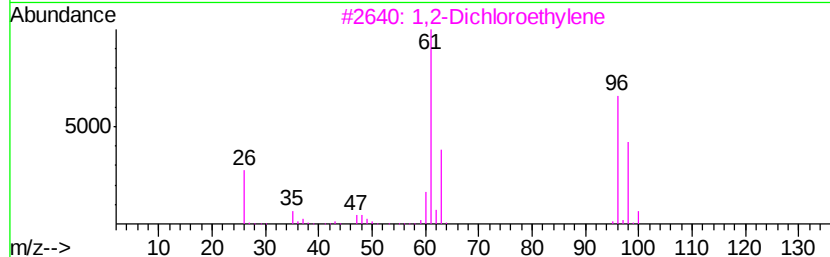
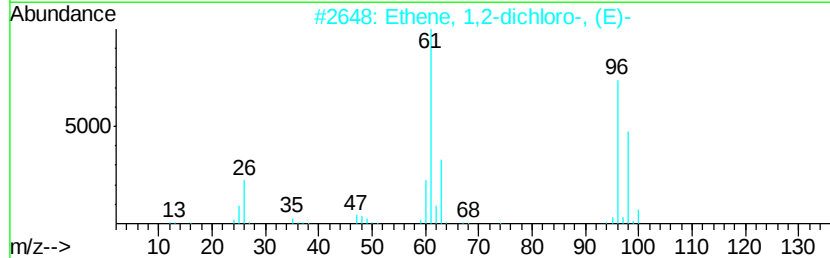
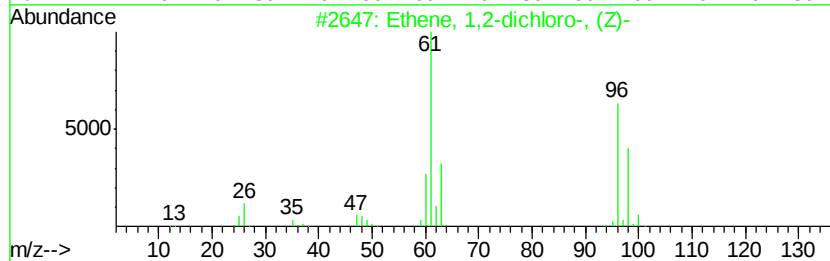
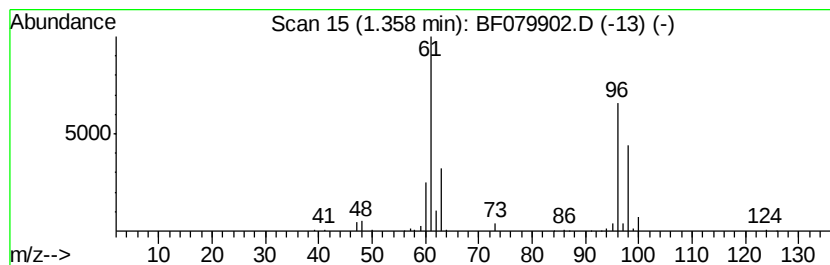
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Ethene, 1,2-dichloro-, (Z)- Concentration Rank 10

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 1.36 | 11.14 ng | 156591 | 1,4-Dichlorobenzene-d4 | 7.39 |

| Hit# | of | 5 | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|----|---------|-------------|------|
| 1    |    |   | Ethene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 97   |
| 2    |    |   | Ethene, 1,2-dichloro-, (E)- | 96 | C2H2Cl2 | 000156-60-5 | 95   |
| 3    |    |   | 1,2-Dichloroethylene        | 96 | C2H2Cl2 | 000540-59-0 | 91   |
| 4    |    |   | Ethene, 1,1-dichloro-       | 96 | C2H2Cl2 | 000075-35-4 | 91   |
| 5    |    |   | Chloromethylmethyl sulfide  | 96 | C2H5ClS | 002373-51-5 | 46   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061115\  
Data File : BF079902.D  
Acq On : 11 Jun 2015 18:36  
Operator : TP/IZ  
Sample : G2522-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-18

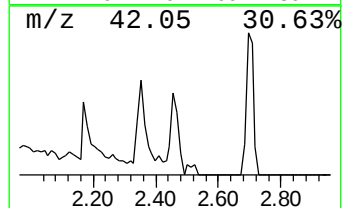
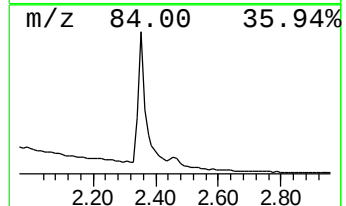
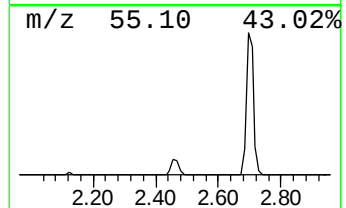
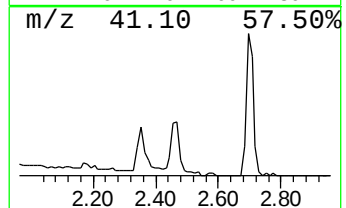
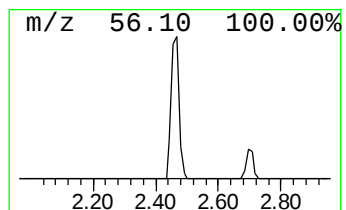
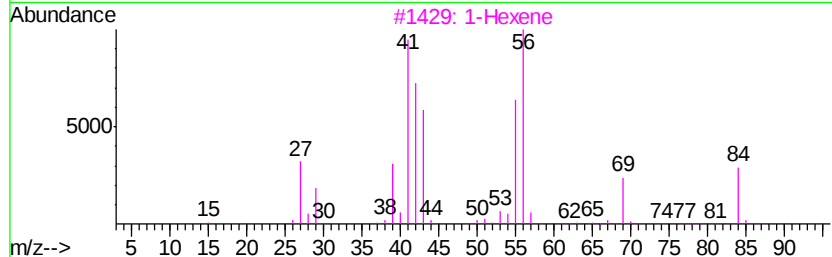
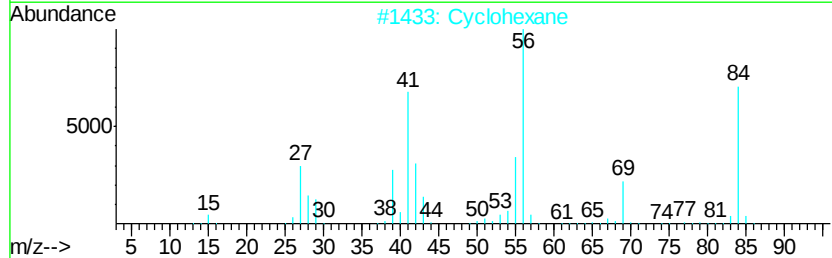
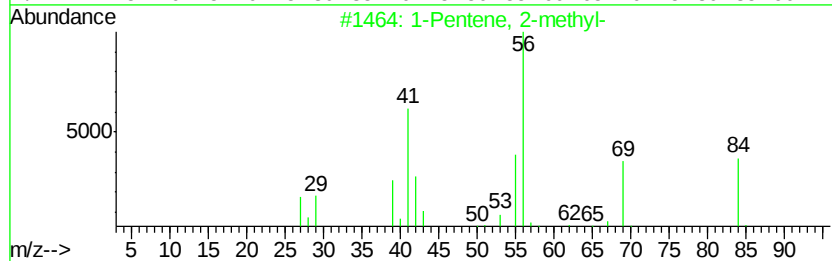
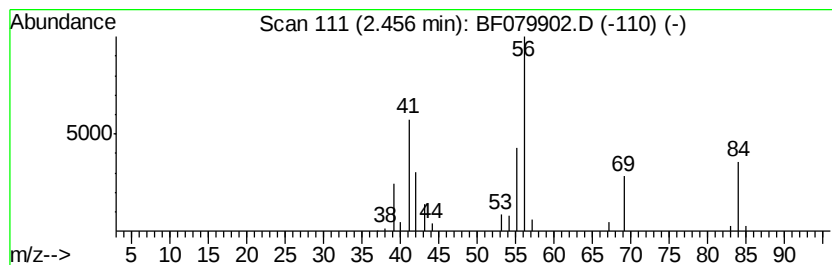
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 1-Pentene, 2-methyl- Concentration Rank 7

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.46 | 16.34 ng | 229674 | 1,4-Dichlorobenzene-d4 | 7.39 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Pentene, 2-methyl-               | 84  | C6H12   | 000763-29-1 | 91   |
| 2    |    | Cyclohexane                        | 84  | C6H12   | 000110-82-7 | 91   |
| 3    |    | 1-Hexene                           | 84  | C6H12   | 000592-41-6 | 83   |
| 4    |    | 1-Hexene, 3,4-dimethyl-            | 112 | C8H16   | 016745-94-1 | 64   |
| 5    |    | Cyanoic acid, 2-methylpropyl ester | 99  | C5H9NO  | 001768-25-8 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061115\  
Data File : BF079902.D  
Acq On : 11 Jun 2015 18:36  
Operator : TP/IZ  
Sample : G2522-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-18

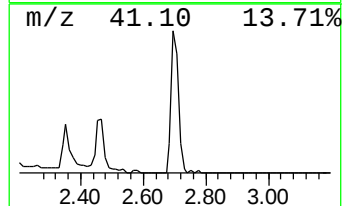
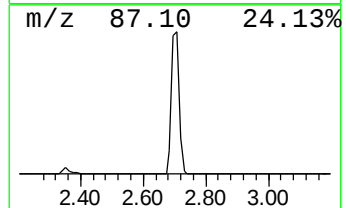
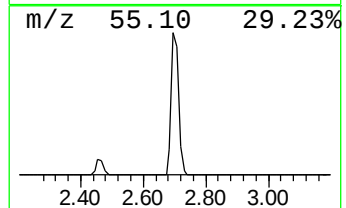
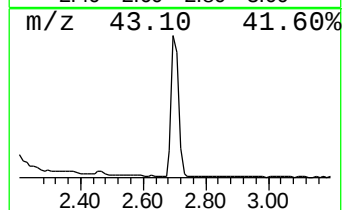
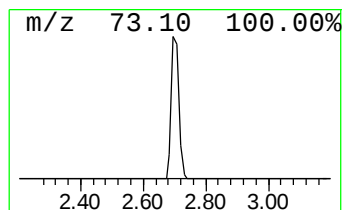
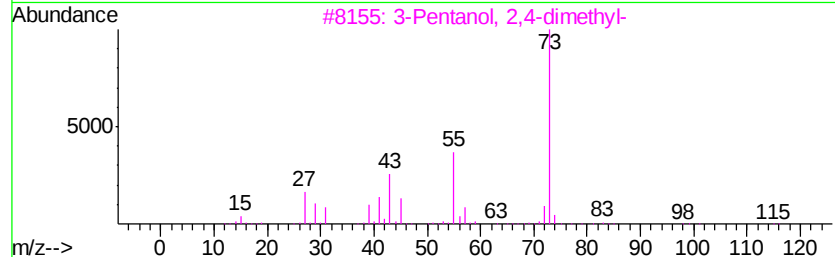
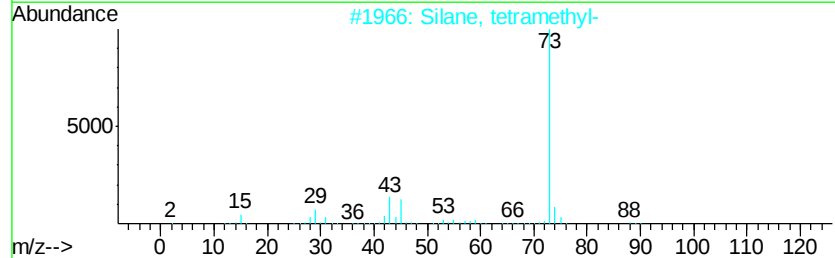
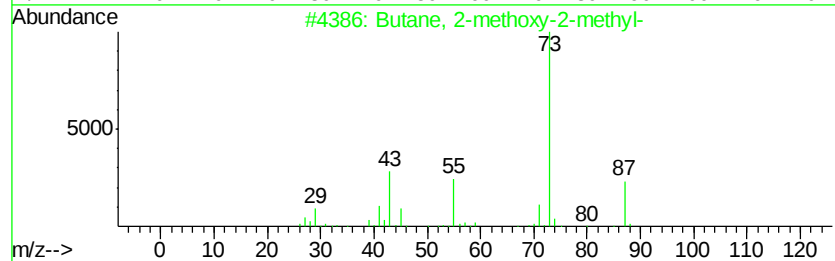
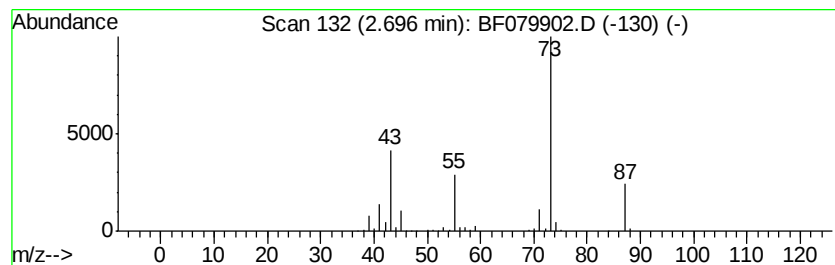
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.70 | 38.26 ng | 537798 | 1,4-Dichlorobenzene-d4 | 7.39 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 38   |
| 3    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 37   |
| 4    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 32   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061115\  
Data File : BF079902.D  
Acq On : 11 Jun 2015 18:36  
Operator : TP/IZ  
Sample : G2522-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-18

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

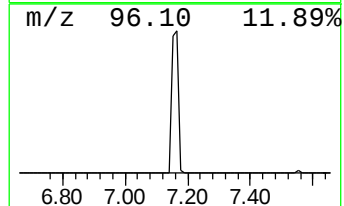
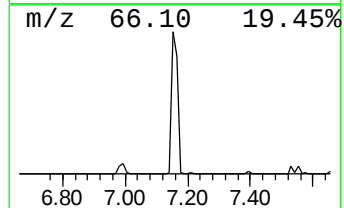
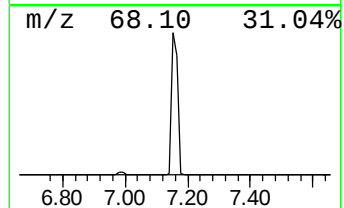
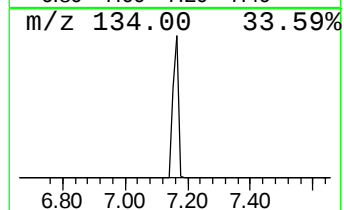
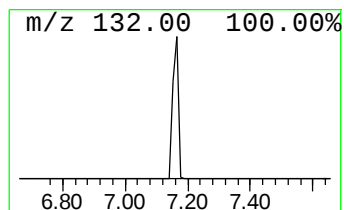
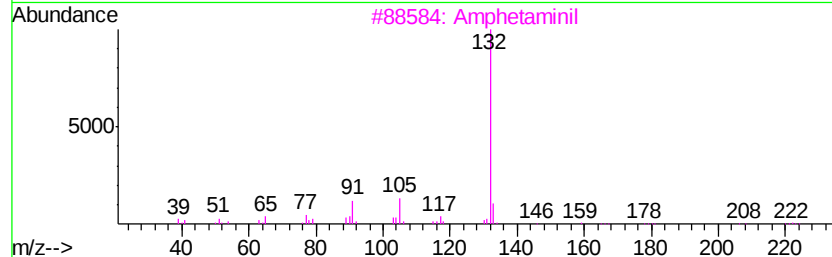
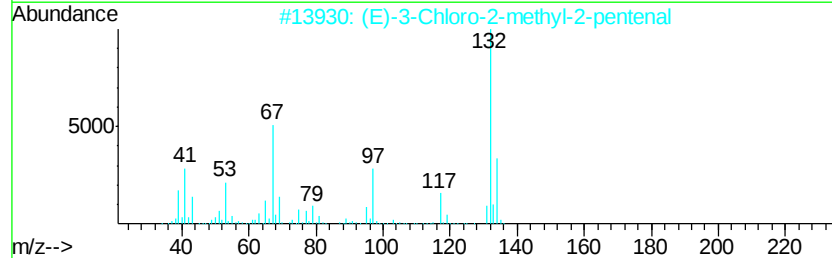
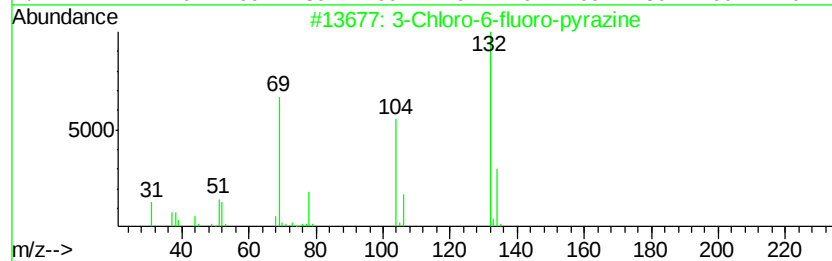
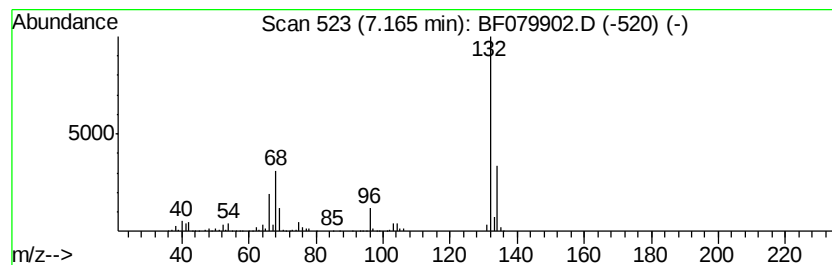
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 unknown7.16 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.16 | 75.35 ng | 1059100 | 1,4-Dichlorobenzene-d4 | 7.39 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 12   |
| 4    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061115\  
Data File : BF079902.D  
Acq On : 11 Jun 2015 18:36  
Operator : TP/IZ  
Sample : G2522-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-18

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

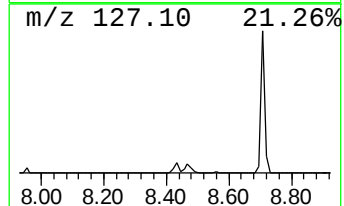
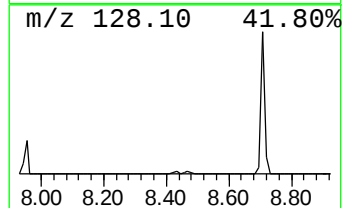
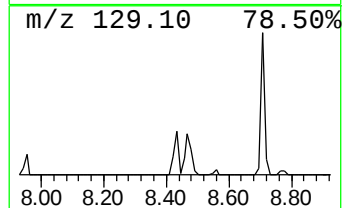
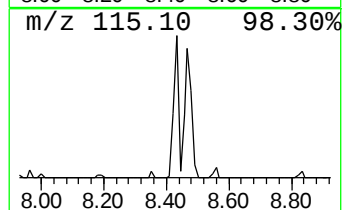
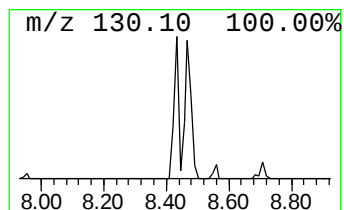
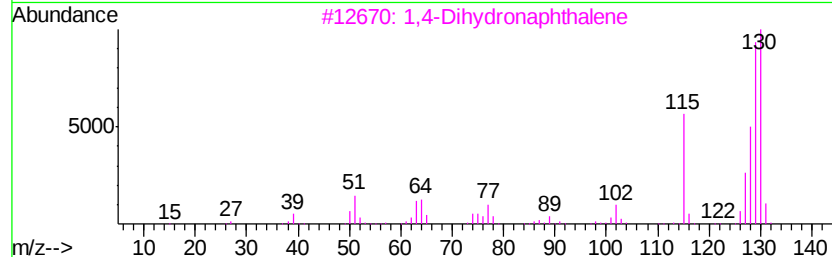
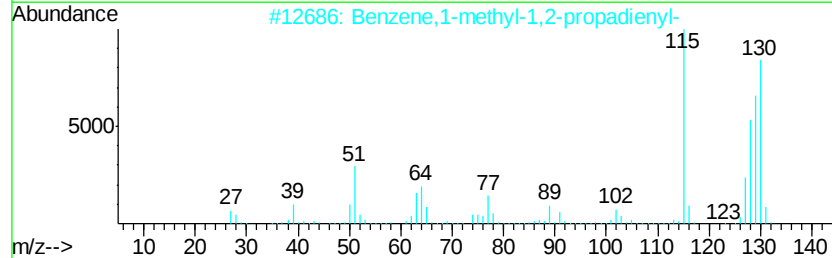
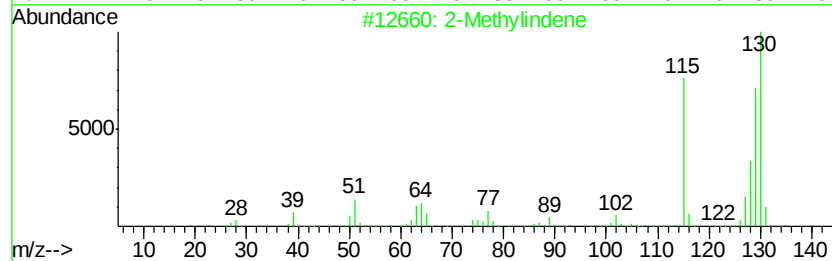
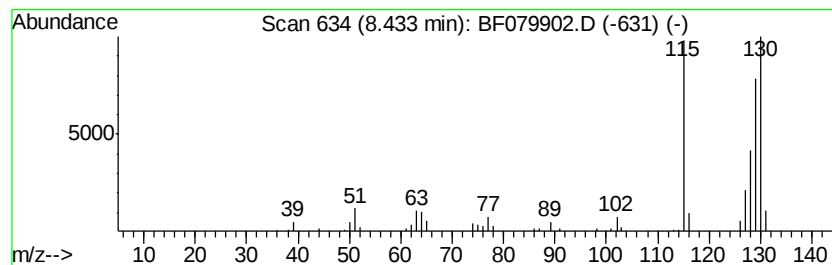
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 2-Methylindene Concentration Rank 12

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.43 | 6.16 ng | 130354 | Naphthalene-d8   | 8.68 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Methylindene                    | 130 | C10H10  | 002177-47-1 | 96   |
| 2    |    | Benzene,1-methyl-1,2-propadienyl- | 130 | C10H10  | 022433-39-2 | 94   |
| 3    |    | 1,4-Dihydronaphthalene            | 130 | C10H10  | 000612-17-9 | 93   |
| 4    |    | Benzene, 1-butylnyl-              | 130 | C10H10  | 000622-76-4 | 93   |
| 5    |    | 1H-Indene, 1-methyl-              | 130 | C10H10  | 000767-59-9 | 92   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061115\  
Data File : BF079902.D  
Acq On : 11 Jun 2015 18:36  
Operator : TP/IZ  
Sample : G2522-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-18

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

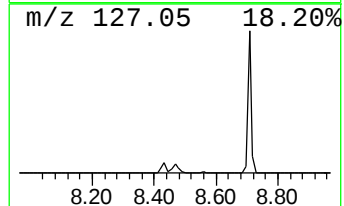
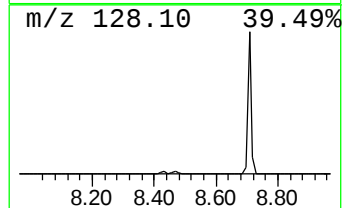
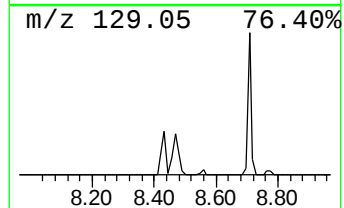
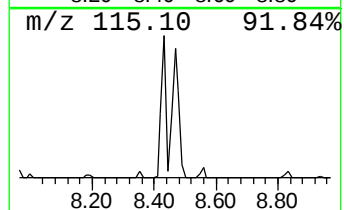
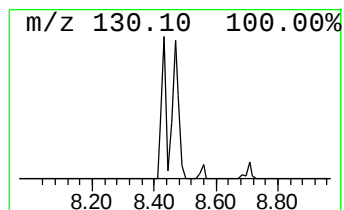
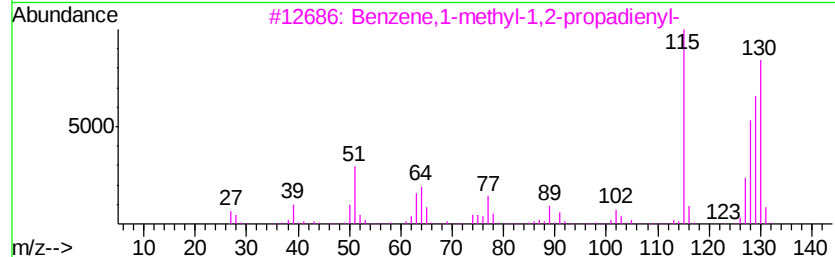
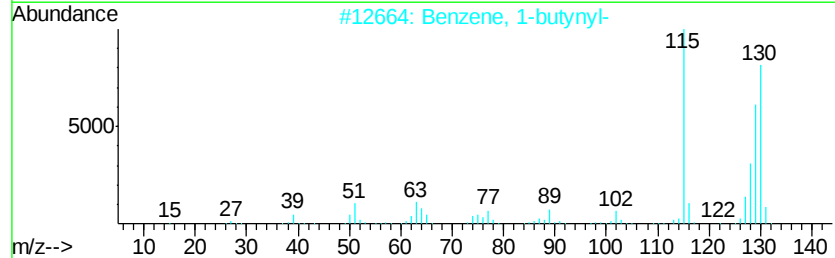
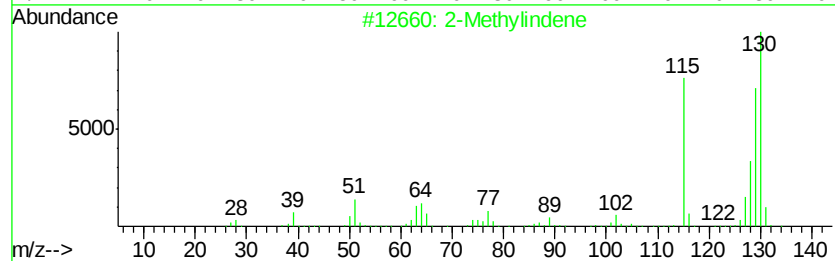
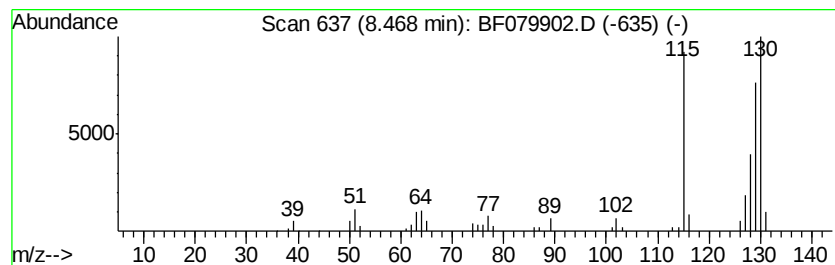
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Benzene, 1-butyryl- Concentration Rank 11

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.47 | 7.47 ng | 158104 | Naphthalene-d8   | 8.68 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Methylindene                      | 130 | C10H10  | 002177-47-1 | 97   |
| 2    |    |   | Benzene, 1-butyryl-                 | 130 | C10H10  | 000622-76-4 | 95   |
| 3    |    |   | Benzene,1-methyl-1,2-propadienyl-   | 130 | C10H10  | 022433-39-2 | 94   |
| 4    |    |   | 1H-Indene, 1-methyl-                | 130 | C10H10  | 000767-59-9 | 94   |
| 5    |    |   | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10  | 065051-83-4 | 93   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061115\  
Data File : BF079902.D  
Acq On : 11 Jun 2015 18:36  
Operator : TP/IZ  
Sample : G2522-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-18

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

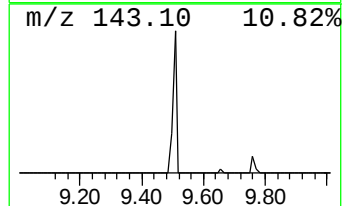
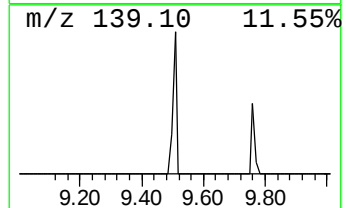
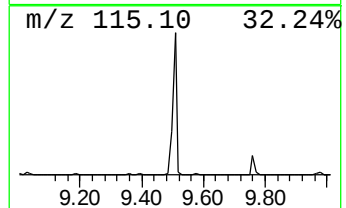
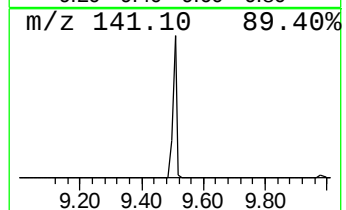
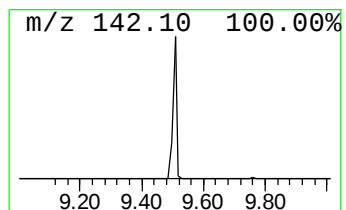
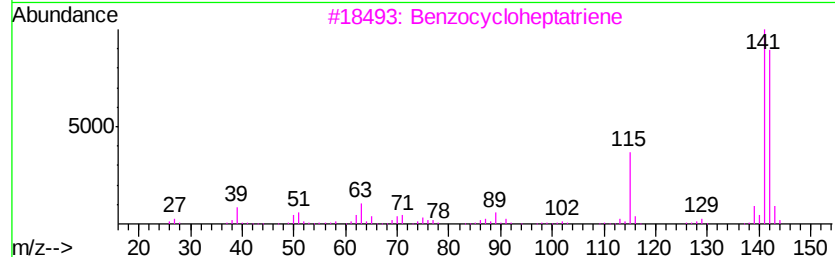
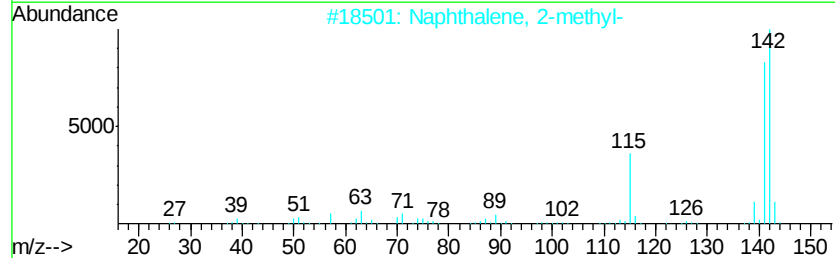
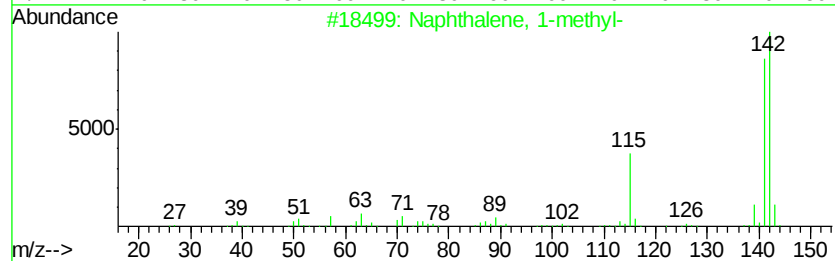
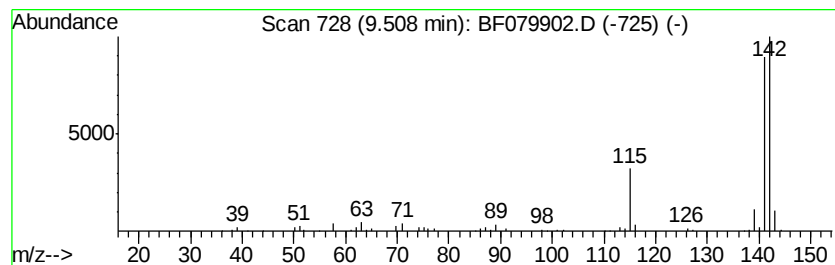
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 9

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.51 | 13.18 ng | 278812 | Naphthalene-d8   | 8.68 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 94   |
| 3    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 5    |    | 3,4-Difluorobenzaldehyde            | 142 | C7H4F2O | 034036-07-2 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061115\  
Data File : BF079902.D  
Acq On : 11 Jun 2015 18:36  
Operator : TP/IZ  
Sample : G2522-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-18

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.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 |
| Ethene, 1,2-dichl... | 1.36 | 11.1    | ng    | 156591   | 1                     | 7.39 | 281110 | 20.0 |
| 1-Pentene, 2-methyl- | 2.46 | 16.3    | ng    | 229674   | 1                     | 7.39 | 281110 | 20.0 |
| Butane, 2-methoxy... | 2.70 | 38.3    | ng    | 537798   | 1                     | 7.39 | 281110 | 20.0 |
| unknown7.16          | 7.16 | 75.3    | ng    | 1059100  | 1                     | 7.39 | 281110 | 20.0 |
| 2-Methylindene       | 8.43 | 6.2     | ng    | 130354   | 2                     | 8.68 | 423163 | 20.0 |
| Benzene, 1-butynyl-  | 8.47 | 7.5     | ng    | 158104   | 2                     | 8.68 | 423163 | 20.0 |
| Naphthalene, 1-me... | 9.51 | 13.2    | ng    | 278812   | 2                     | 8.68 | 423163 | 20.0 |