

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\  
 Data File : BF077534.D  
 Acq On : 2 Mar 2015 20:50  
 Operator : TP/IZ  
 Sample : G1399-08  
 Misc : S  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB2

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.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         | 1.184       | 22            | 26          | 29           | rVB      | 751021         | 1132201       | 26.20%          | 4.227%        |
| 2         | 1.412       | 43            | 46          | 49           | rBV      | 4098579        | 4321834       | 100.00%         | 16.135%       |
| 3         | 1.550       | 55            | 58          | 61           | rBV      | 877529         | 1280334       | 29.62%          | 4.780%        |
| 4         | 1.721       | 71            | 73          | 76           | rVB      | 206814         | 233380        | 5.40%           | 0.871%        |
| 5         | 1.847       | 83            | 84          | 94           | rVB      | 111035         | 161022        | 3.73%           | 0.601%        |
| 6         | 5.036       | 361           | 363         | 370          | rVB      | 194322         | 225598        | 5.22%           | 0.842%        |
| 7         | 5.550       | 406           | 408         | 411          | rBV      | 1012017        | 1065036       | 24.64%          | 3.976%        |
| 8         | 6.819       | 517           | 519         | 522          | rBV      | 1260802        | 1143480       | 26.46%          | 4.269%        |
| 9         | 6.967       | 530           | 532         | 535          | rBV      | 1100869        | 1169985       | 27.07%          | 4.368%        |
| 10        | 7.264       | 555           | 558         | 560          | rVB      | 559391         | 570599        | 13.20%          | 2.130%        |
| 11        | 7.447       | 572           | 574         | 576          | rVB      | 1091820        | 946599        | 21.90%          | 3.534%        |
| 12        | 7.950       | 616           | 618         | 620          | rBV      | 827475         | 707263        | 16.36%          | 2.641%        |
| 13        | 8.842       | 693           | 696         | 698          | rBV      | 710889         | 792619        | 18.34%          | 2.959%        |
| 14        | 10.179      | 811           | 813         | 816          | rBV      | 1279301        | 1332864       | 30.84%          | 4.976%        |
| 15        | 11.013      | 884           | 886         | 888          | rBV      | 929896         | 888070        | 20.55%          | 3.316%        |
| 16        | 11.985      | 969           | 971         | 974          | rBV2     | 666649         | 852370        | 19.72%          | 3.182%        |
| 17        | 12.854      | 1044          | 1047        | 1049         | rBV      | 981308         | 1021346       | 23.63%          | 3.813%        |
| 18        | 12.888      | 1049          | 1050        | 1052         | rVB      | 180112         | 127471        | 2.95%           | 0.476%        |
| 19        | 12.945      | 1052          | 1055        | 1057         | rBV      | 79319          | 82477         | 1.91%           | 0.308%        |
| 20        | 13.619      | 1112          | 1114        | 1115         | rBV      | 71920          | 84753         | 1.96%           | 0.316%        |
| 21        | 14.362      | 1176          | 1179        | 1181         | rBV      | 612346         | 582537        | 13.48%          | 2.175%        |
| 22        | 14.637      | 1200          | 1203        | 1206         | rBV      | 528501         | 676815        | 15.66%          | 2.527%        |
| 23        | 14.854      | 1219          | 1222        | 1224         | rBV      | 1397227        | 1587857       | 36.74%          | 5.928%        |
| 24        | 15.059      | 1238          | 1240        | 1242         | rVB      | 74922          | 90304         | 2.09%           | 0.337%        |
| 25        | 15.185      | 1249          | 1251        | 1253         | rBV      | 89209          | 98047         | 2.27%           | 0.366%        |
| 26        | 15.825      | 1305          | 1307        | 1309         | rBV2     | 55471          | 93905         | 2.17%           | 0.351%        |
| 27        | 15.871      | 1309          | 1311        | 1314         | rVV2     | 55191          | 100127        | 2.32%           | 0.374%        |
| 28        | 15.951      | 1316          | 1318        | 1321         | rVB3     | 44174          | 99982         | 2.31%           | 0.373%        |
| 29        | 16.020      | 1322          | 1324        | 1330         | rBV3     | 183884         | 303768        | 7.03%           | 1.134%        |
| 30        | 16.157      | 1332          | 1336        | 1337         | rVV2     | 969984         | 1545939       | 35.77%          | 5.772%        |
| 31        | 16.180      | 1337          | 1338        | 1340         | rVB      | 242011         | 280440        | 6.49%           | 1.047%        |
| 32        | 16.660      | 1377          | 1380        | 1382         | rBV      | 75288          | 110043        | 2.55%           | 0.411%        |
| 33        | 17.471      | 1448          | 1451        | 1456         | rBV      | 274272         | 751645        | 17.39%          | 2.806%        |
| 34        | 17.791      | 1477          | 1479        | 1482         | rBV      | 197763         | 257427        | 5.96%           | 0.961%        |

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Misc : S  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB2

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 17.860 | 1482 | 1485 | 1488 | rBV  | 273315 | 390245  | 9.03%  | 1.457% |
| 36 | 17.928 | 1488 | 1491 | 1493 | rBV  | 814805 | 1204163 | 27.86% | 4.496% |
| 37 | 19.380 | 1616 | 1618 | 1625 | rVB2 | 126578 | 265959  | 6.15%  | 0.993% |
| 38 | 19.814 | 1653 | 1656 | 1659 | rVB  | 110333 | 206647  | 4.78%  | 0.771% |

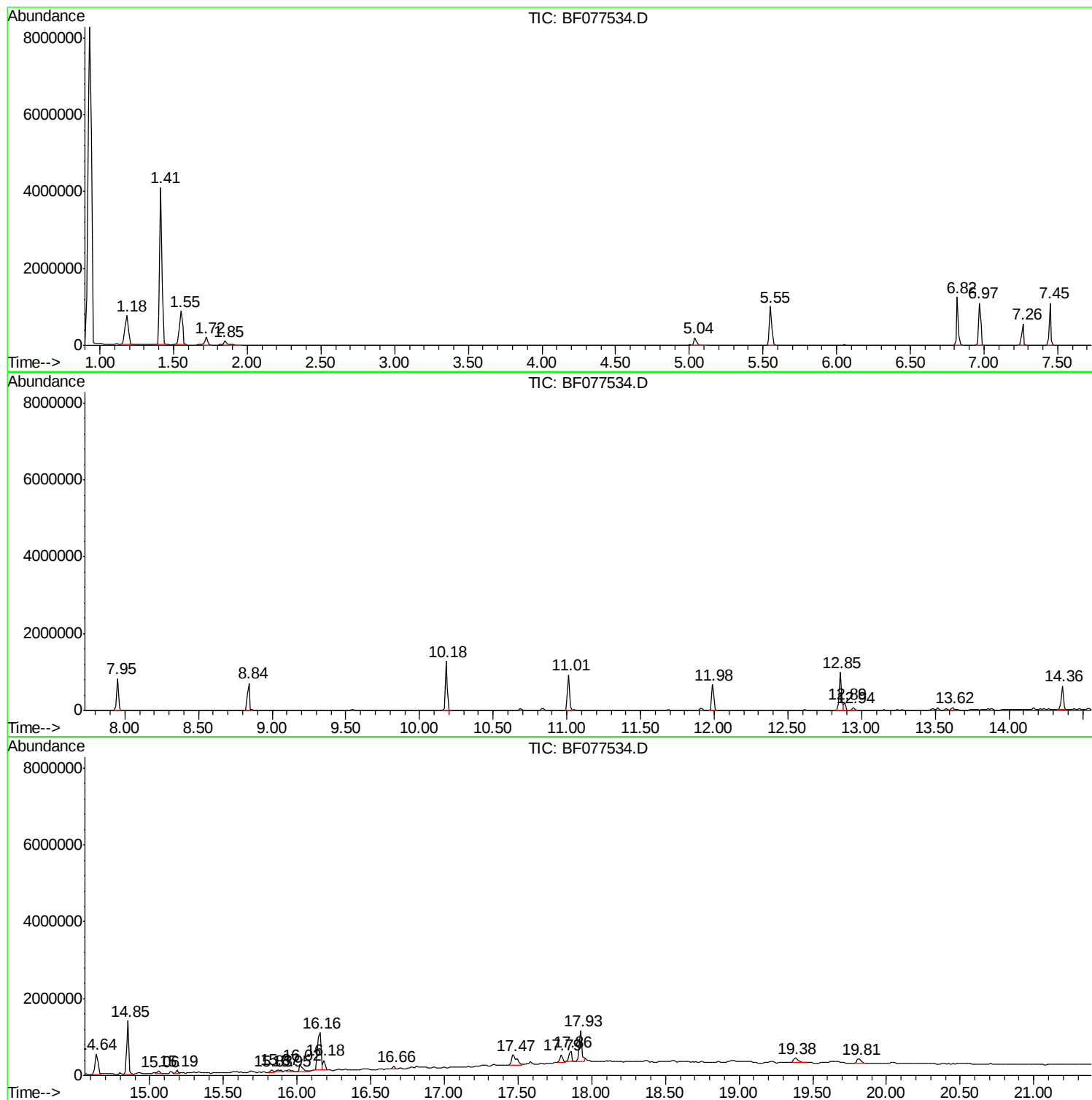
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Misc : S  
ALS Vial : 15 Sample Multiplier: 1

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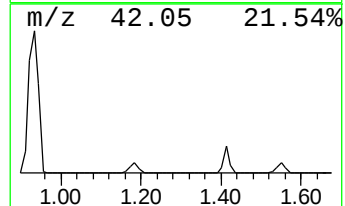
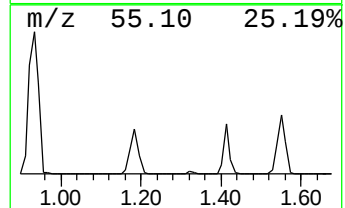
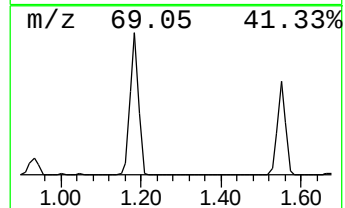
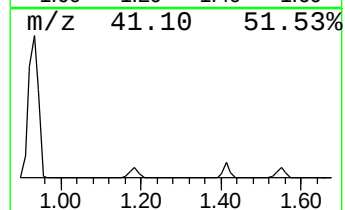
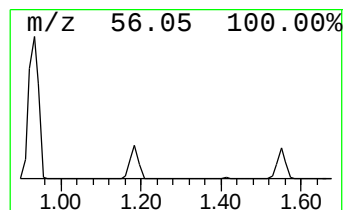
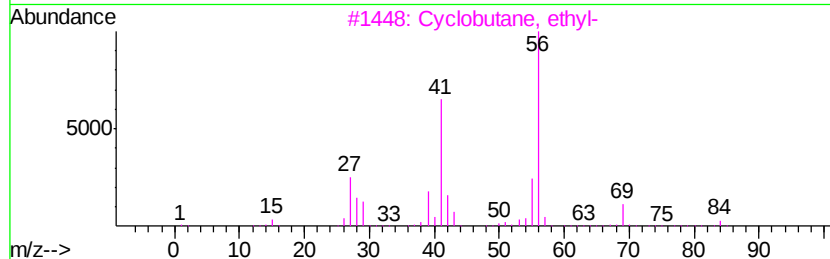
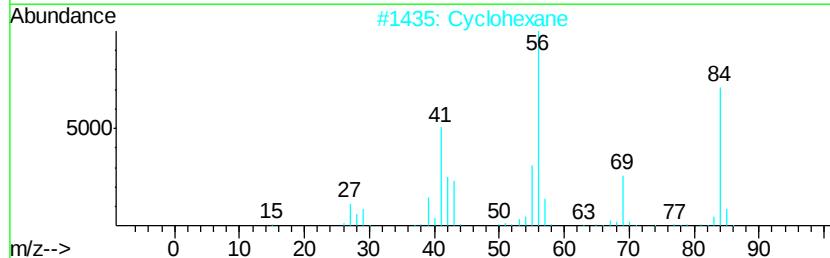
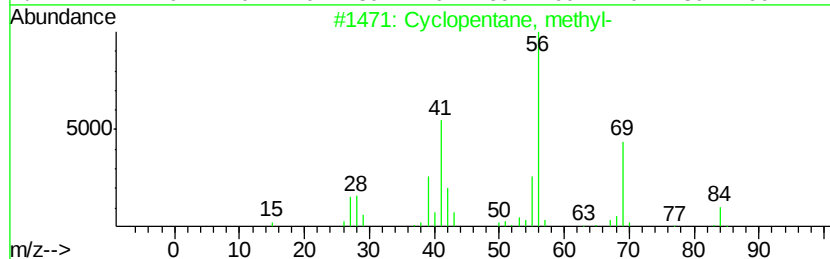
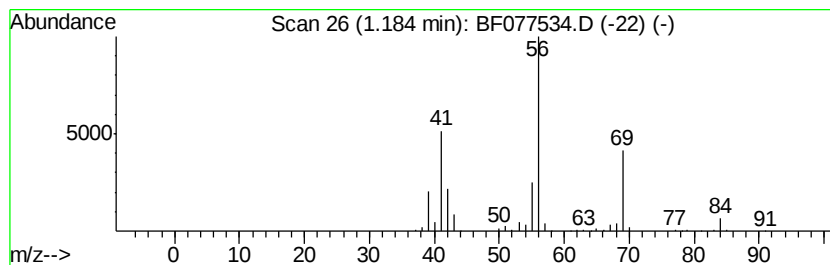
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Cyclopentane, methyl- Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 1.18 | 39.68 ng | 1132200 | 1,4-Dichlorobenzene-d4 | 7.26 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-               | 84  | C6H12   | 000096-37-7 | 87   |
| 2    |    | Cyclohexane                         | 84  | C6H12   | 000110-82-7 | 78   |
| 3    |    | Cyclobutane, ethyl-                 | 84  | C6H12   | 004806-61-5 | 72   |
| 4    |    | Propane, 2-cyclopropyl-             | 84  | C6H12   | 003638-35-5 | 64   |
| 5    |    | 2H-Pyran-2,6(3H)-dione, dihydro-... | 142 | C7H10O3 | 004160-82-1 | 59   |



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SB2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

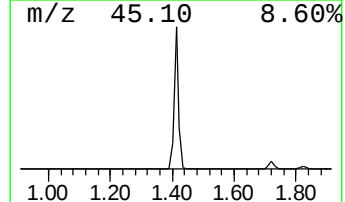
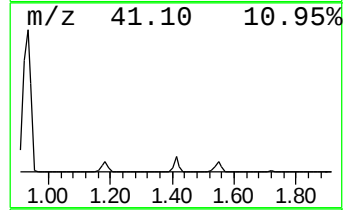
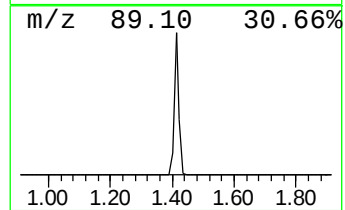
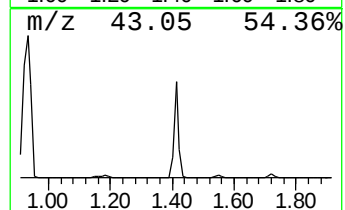
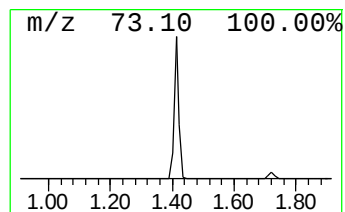
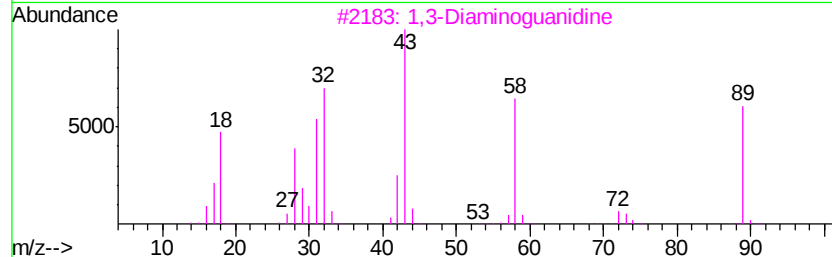
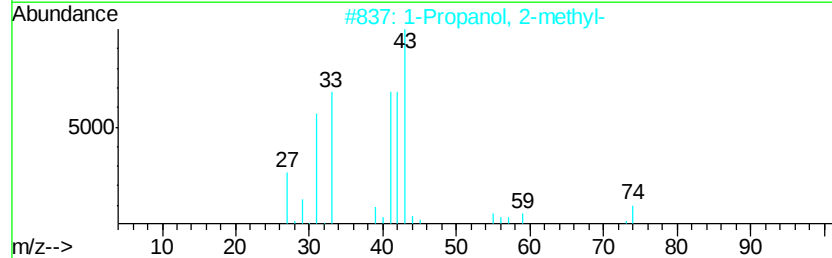
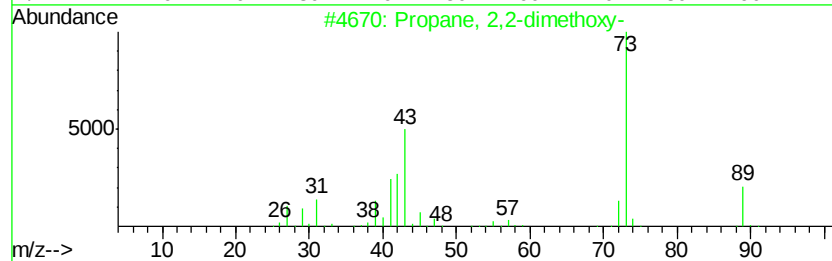
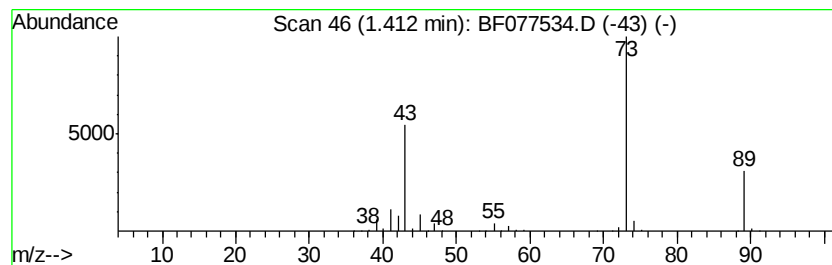
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 1.41 | 151.48 ng | 4321830 | 1,4-Dichlorobenzene-d4 | 7.26 |

| Hit# of 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|-----------|---------------------------------|-----|---------|-------------|------|
| 1         | Propane, 2,2-dimethoxy-         | 104 | C5H12O2 | 000077-76-9 | 72   |
| 2         | 1-Propanol, 2-methyl-           | 74  | C4H10O  | 000078-83-1 | 9    |
| 3         | 1,3-Diaminoguanidine            | 89  | CH7N5   | 004364-78-7 | 9    |
| 4         | Propane, 2-methoxy-2-methyl-    | 88  | C5H12O  | 001634-04-4 | 9    |
| 5         | 2-Butanone, 3-methoxy-3-methyl- | 116 | C6H12O2 | 036687-98-6 | 9    |



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Misc : S  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB2

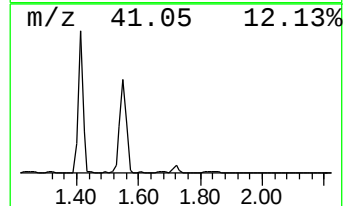
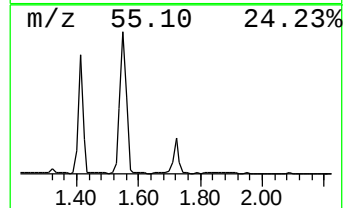
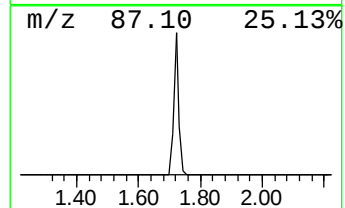
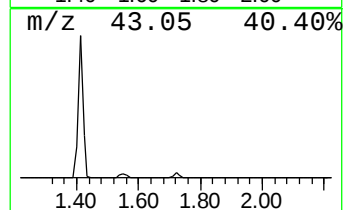
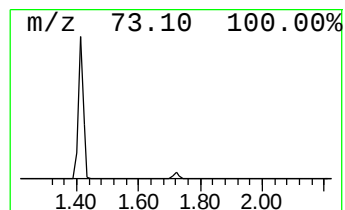
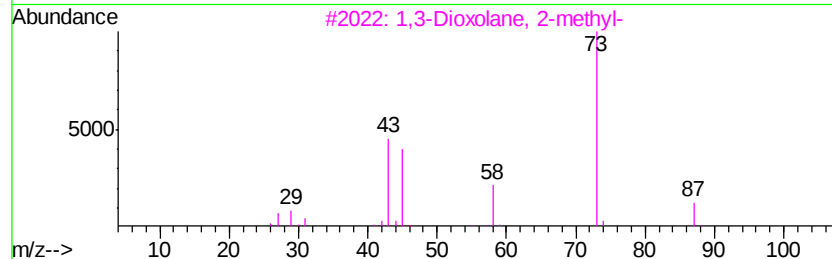
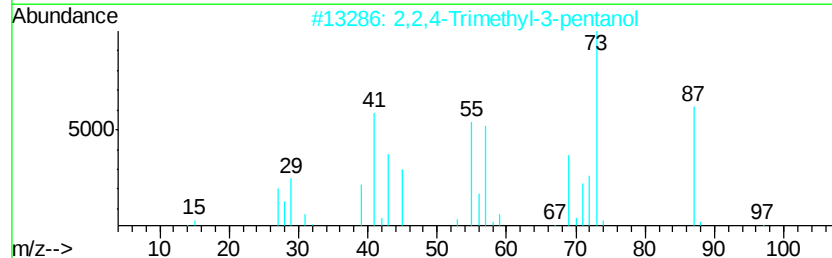
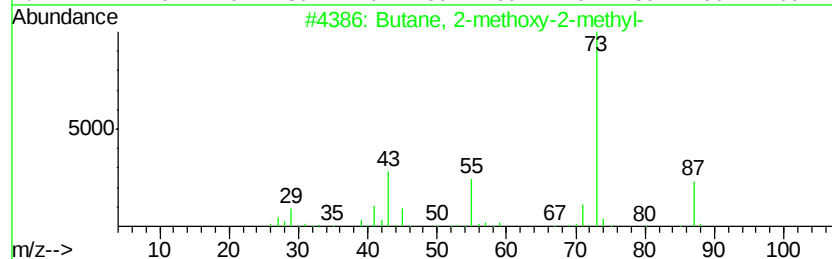
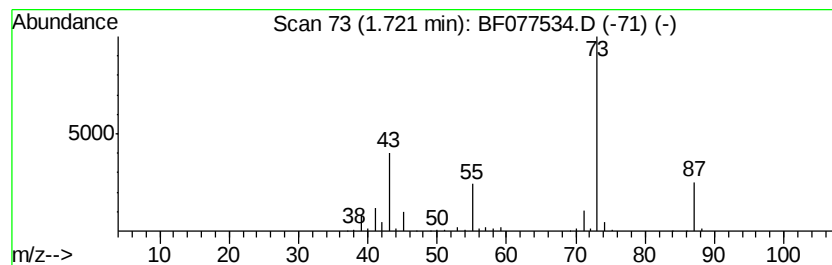
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 1.72 | 8.18 ng | 233380 | 1,4-Dichlorobenzene-d4 | 7.26 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 22   |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 12   |



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ClientSampleId :  
SB2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

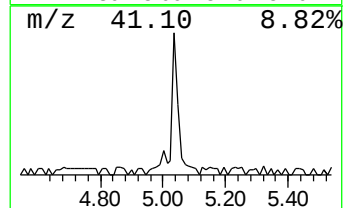
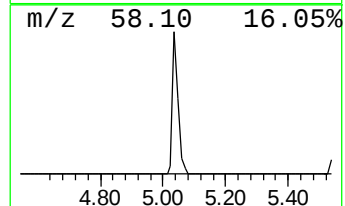
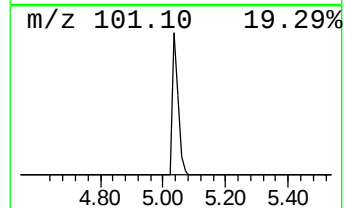
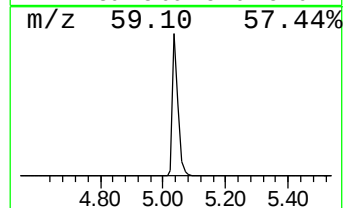
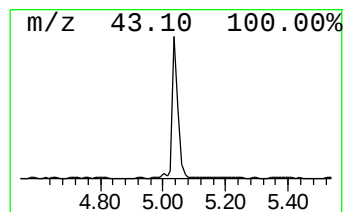
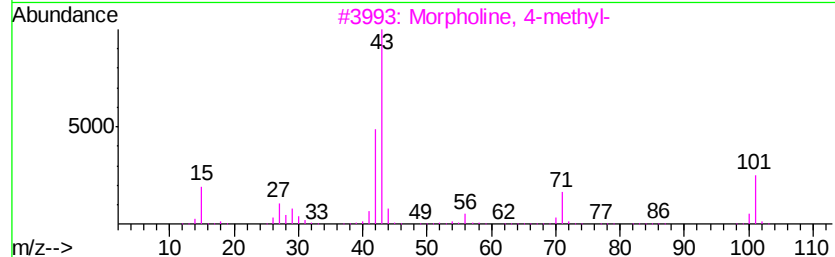
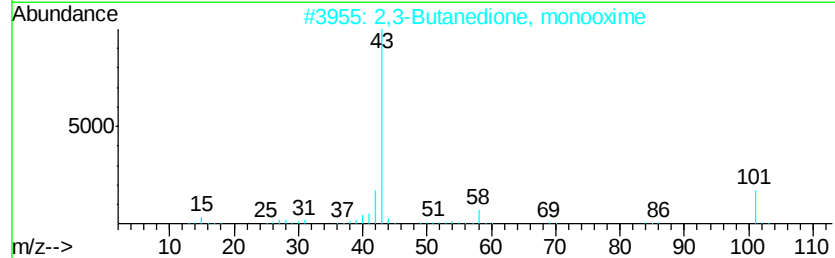
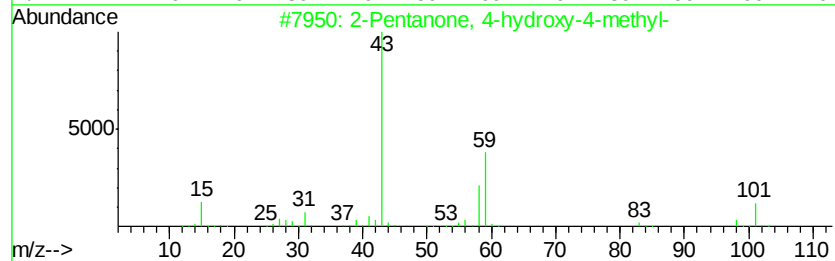
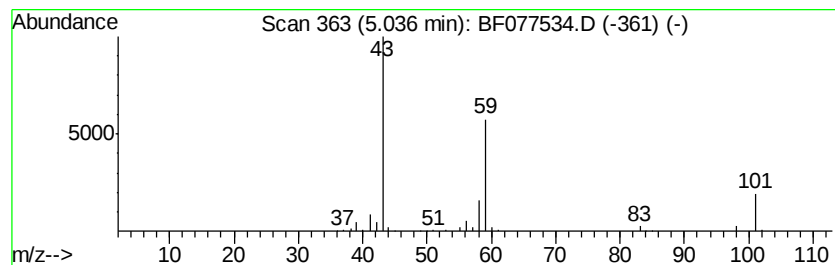
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.04 | 7.91 ng | 225598 | 1,4-Dichlorobenzene-d4 | 7.26 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 25   |
| 3    |    | Morpholine, 4-methyl-            | 101 | C5H11NO | 000109-02-4 | 9    |
| 4    |    | 5-Hexen-2-one                    | 98  | C6H10O  | 000109-49-9 | 9    |
| 5    |    | 4-Hydroxy-3-hexanone             | 116 | C6H12O2 | 004984-85-4 | 9    |



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SB2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

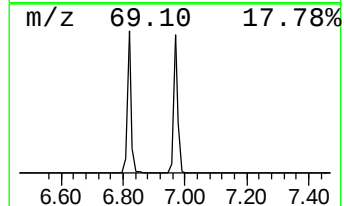
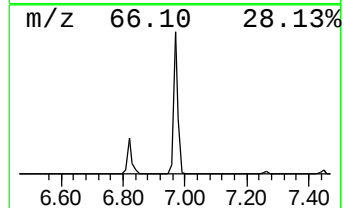
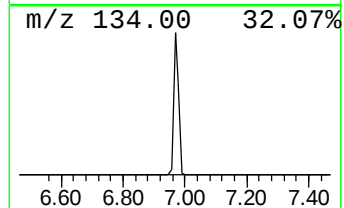
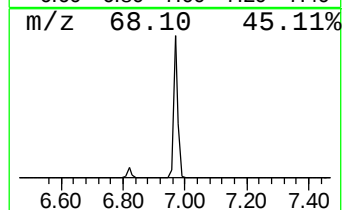
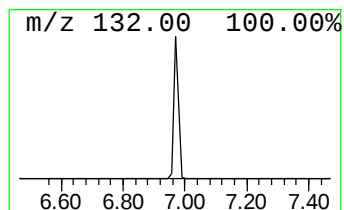
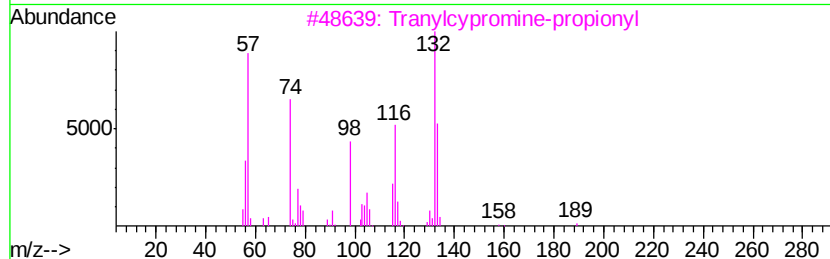
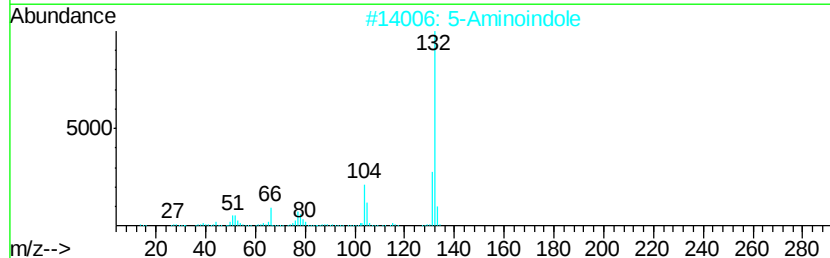
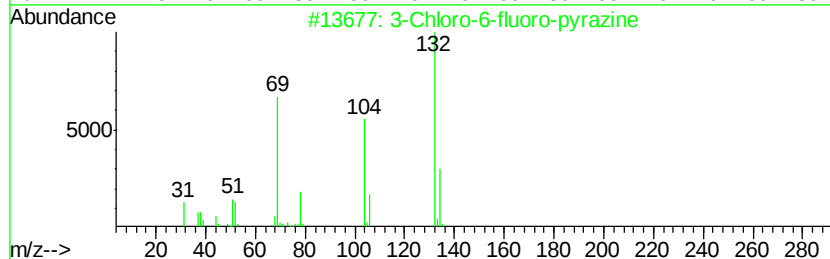
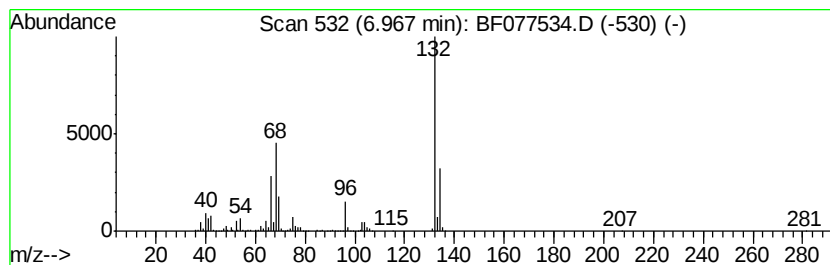
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown6.97 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.97 | 41.01 ng | 1169990 | 1,4-Dichlorobenzene-d4 | 7.26 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    | Tranvlcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\  
Data File : BF077534.D  
Acq On : 2 Mar 2015 20:50  
Operator : TP/IZ  
Sample : G1399-08  
Misc : S  
ALS Vial : 15 Sample Multiplier: 1

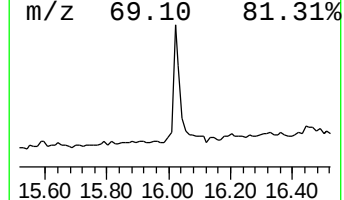
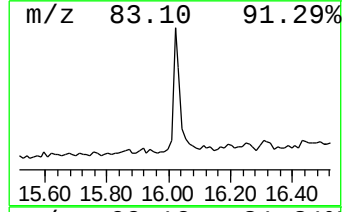
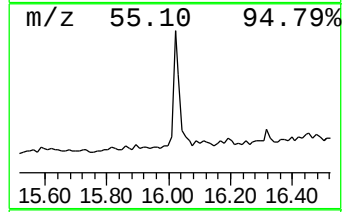
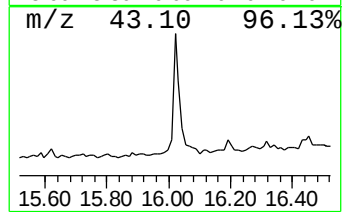
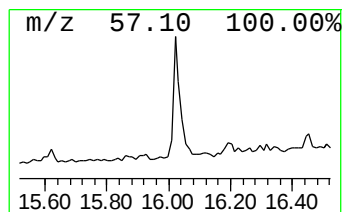
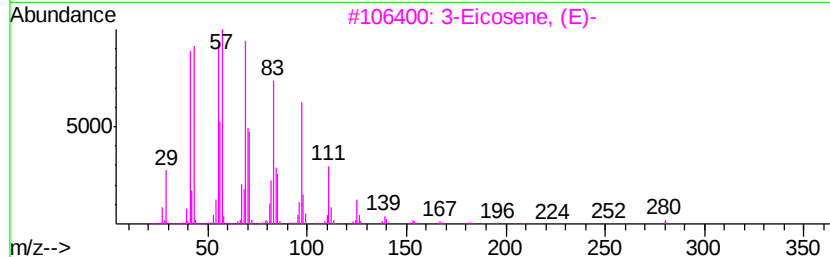
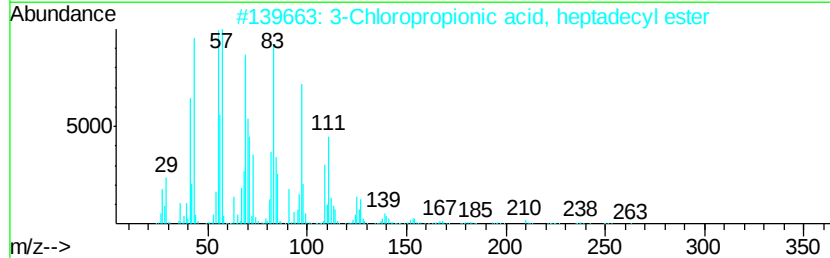
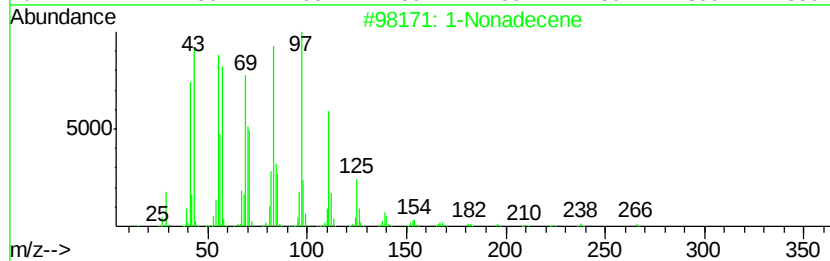
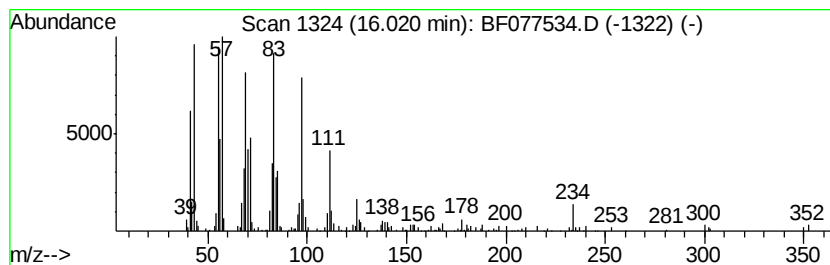
Instrument :  
BNA\_F  
ClientSampleId :  
SB2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 1-Nonadecene Concentration Rank 10

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 16.02   | 3.93 ng                             | 303768       | Chrysene-d12     | 16.15           |
| 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 91 |
| 3       | 3-Eicosene, (E)-                    |              | 280 C20H40       | 074685-33-9 90  |
| 4       | 1-Octadecanol                       |              | 270 C18H38O      | 000112-92-5 90  |
| 5       | Cyclotetradecane                    |              | 196 C14H28       | 000295-17-0 90  |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030215\  
Data File : BF077534.D  
Acq On : 2 Mar 2015 20:50  
Operator : TP/IZ  
Sample : G1399-08  
Misc : S  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.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 |
| Cyclopentane, met... | 1.18  | 39.7    | ng    | 1132200  | 1                     | 7.26  | 570599  | 20.0 |
| Propane, 2,2-dime... | 1.41  | 151.5   | ng    | 4321830  | 1                     | 7.26  | 570599  | 20.0 |
| Butane, 2-methoxy... | 1.72  | 8.2     | ng    | 233380   | 1                     | 7.26  | 570599  | 20.0 |
| 2-Pentanone, 4-hy... | 5.04  | 7.9     | ng    | 225598   | 1                     | 7.26  | 570599  | 20.0 |
| unknown6.97          | 6.97  | 41.0    | ng    | 1169990  | 1                     | 7.26  | 570599  | 20.0 |
| 1-Nonadecene         | 16.02 | 3.9     | ng    | 303768   | 5                     | 16.15 | 1545940 | 20.0 |