

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF103116\  
 Data File : BF090928.D  
 Acq On : 31 Oct 2016 15:16  
 Operator : UM/SJ  
 Sample : H5423-07 2X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4COMP(0-16FEET)

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-BF102616.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         | 2.304       | 16            | 19          | 23           | rBV      | 9292           | 25309         | 1.33%           | 0.109%        |
| 2         | 4.213       | 184           | 186         | 193          | rBV      | 36840          | 71009         | 3.73%           | 0.304%        |
| 3         | 4.887       | 243           | 245         | 248          | rBV      | 544592         | 725716        | 38.16%          | 3.112%        |
| 4         | 5.333       | 282           | 284         | 287          | rBV      | 1507621        | 1554918       | 81.75%          | 6.668%        |
| 5         | 6.007       | 342           | 343         | 345          | rVB      | 27842          | 23910         | 1.26%           | 0.103%        |
| 6         | 6.384       | 374           | 376         | 379          | rBV      | 1544110        | 1741286       | 91.55%          | 7.467%        |
| 7         | 6.510       | 385           | 387         | 390          | rBV      | 1867536        | 1901968       | 100.00%         | 8.156%        |
| 8         | 6.750       | 406           | 408         | 410          | rBV      | 975353         | 1045815       | 54.99%          | 4.485%        |
| 9         | 6.899       | 419           | 421         | 424          | rBV      | 1518772        | 1450641       | 76.27%          | 6.221%        |
| 10        | 7.310       | 455           | 457         | 464          | rBV      | 1147994        | 1085025       | 57.05%          | 4.653%        |
| 11        | 7.413       | 464           | 466         | 474          | rVB3     | 11033          | 28566         | 1.50%           | 0.122%        |
| 12        | 8.030       | 518           | 520         | 523          | rBV      | 1279776        | 1196432       | 62.90%          | 5.131%        |
| 13        | 9.105       | 612           | 614         | 617          | rBV      | 1371578        | 1726783       | 90.79%          | 7.405%        |
| 14        | 9.505       | 647           | 649         | 652          | rBV      | 529194         | 463149        | 24.35%          | 1.986%        |
| 15        | 9.779       | 671           | 673         | 676          | rBV      | 1084102        | 1382765       | 72.70%          | 5.930%        |
| 16        | 10.225      | 711           | 712         | 714          | rVB      | 30369          | 22087         | 1.16%           | 0.095%        |
| 17        | 10.568      | 740           | 742         | 745          | rBV      | 581426         | 582345        | 30.62%          | 2.497%        |
| 18        | 10.693      | 752           | 753         | 758          | rVB      | 22199          | 38483         | 2.02%           | 0.165%        |
| 19        | 11.139      | 788           | 792         | 794          | rBV2     | 31886          | 73510         | 3.86%           | 0.315%        |
| 20        | 11.265      | 801           | 803         | 805          | rBV      | 1393737        | 1281857       | 67.40%          | 5.497%        |
| 21        | 11.345      | 807           | 810         | 812          | rVB2     | 20685          | 35571         | 1.87%           | 0.153%        |
| 22        | 11.574      | 827           | 830         | 831          | rBV      | 21618          | 24744         | 1.30%           | 0.106%        |
| 23        | 11.768      | 845           | 847         | 848          | rBV      | 23449          | 24540         | 1.29%           | 0.105%        |
| 24        | 11.791      | 848           | 849         | 852          | rVV      | 22206          | 30034         | 1.58%           | 0.129%        |
| 25        | 11.871      | 855           | 856         | 861          | rVB2     | 32632          | 68062         | 3.58%           | 0.292%        |
| 26        | 12.065      | 871           | 873         | 874          | rBV      | 17484          | 22204         | 1.17%           | 0.095%        |
| 27        | 12.317      | 893           | 895         | 896          | rBV      | 29193          | 27195         | 1.43%           | 0.117%        |
| 28        | 12.351      | 896           | 898         | 899          | rBV2     | 20429          | 32208         | 1.69%           | 0.138%        |
| 29        | 12.477      | 904           | 909         | 911          | rVV      | 208891         | 268494        | 14.12%          | 1.151%        |
| 30        | 12.522      | 911           | 913         | 916          | rVB4     | 15926          | 37444         | 1.97%           | 0.161%        |
| 31        | 12.705      | 926           | 929         | 930          | rBV      | 204983         | 264720        | 13.92%          | 1.135%        |
| 32        | 12.762      | 930           | 934         | 937          | rVB6     | 17774          | 43813         | 2.30%           | 0.188%        |
| 33        | 12.854      | 939           | 942         | 944          | rVV      | 1522177        | 1512291       | 79.51%          | 6.485%        |
| 34        | 12.922      | 946           | 948         | 950          | rBV2     | 25855          | 36663         | 1.93%           | 0.157%        |

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ClientSampleId :  
SB-4COMP(0-16FEET)

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-BF102616.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 13.025 | 955  | 957  | 959  | rVB  | 40738  | 62080   | 3.26%  | 0.266% |
| 36 | 13.094 | 961  | 963  | 965  | rVV2 | 23390  | 27379   | 1.44%  | 0.117% |
| 37 | 13.139 | 965  | 967  | 971  | rBV2 | 33016  | 73572   | 3.87%  | 0.315% |
| 38 | 13.757 | 1019 | 1021 | 1025 | rBV3 | 66888  | 100116  | 5.26%  | 0.429% |
| 39 | 13.905 | 1031 | 1034 | 1036 | rBV  | 976825 | 1565128 | 82.29% | 6.712% |
| 40 | 14.911 | 1120 | 1122 | 1125 | rVB  | 177270 | 286452  | 15.06% | 1.228% |
| 41 | 15.243 | 1149 | 1151 | 1154 | rBV  | 137080 | 254138  | 13.36% | 1.090% |
| 42 | 15.300 | 1154 | 1156 | 1159 | rBV  | 770480 | 1199324 | 63.06% | 5.143% |
| 43 | 15.437 | 1166 | 1168 | 1172 | rVB3 | 145591 | 220069  | 11.57% | 0.944% |
| 44 | 15.940 | 1210 | 1212 | 1217 | rVB2 | 177708 | 361132  | 18.99% | 1.549% |
| 45 | 16.340 | 1245 | 1247 | 1252 | rVB  | 135345 | 267052  | 14.04% | 1.145% |
| 46 | 17.528 | 1349 | 1351 | 1353 | rBV2 | 49141  | 53962   | 2.84%  | 0.231% |

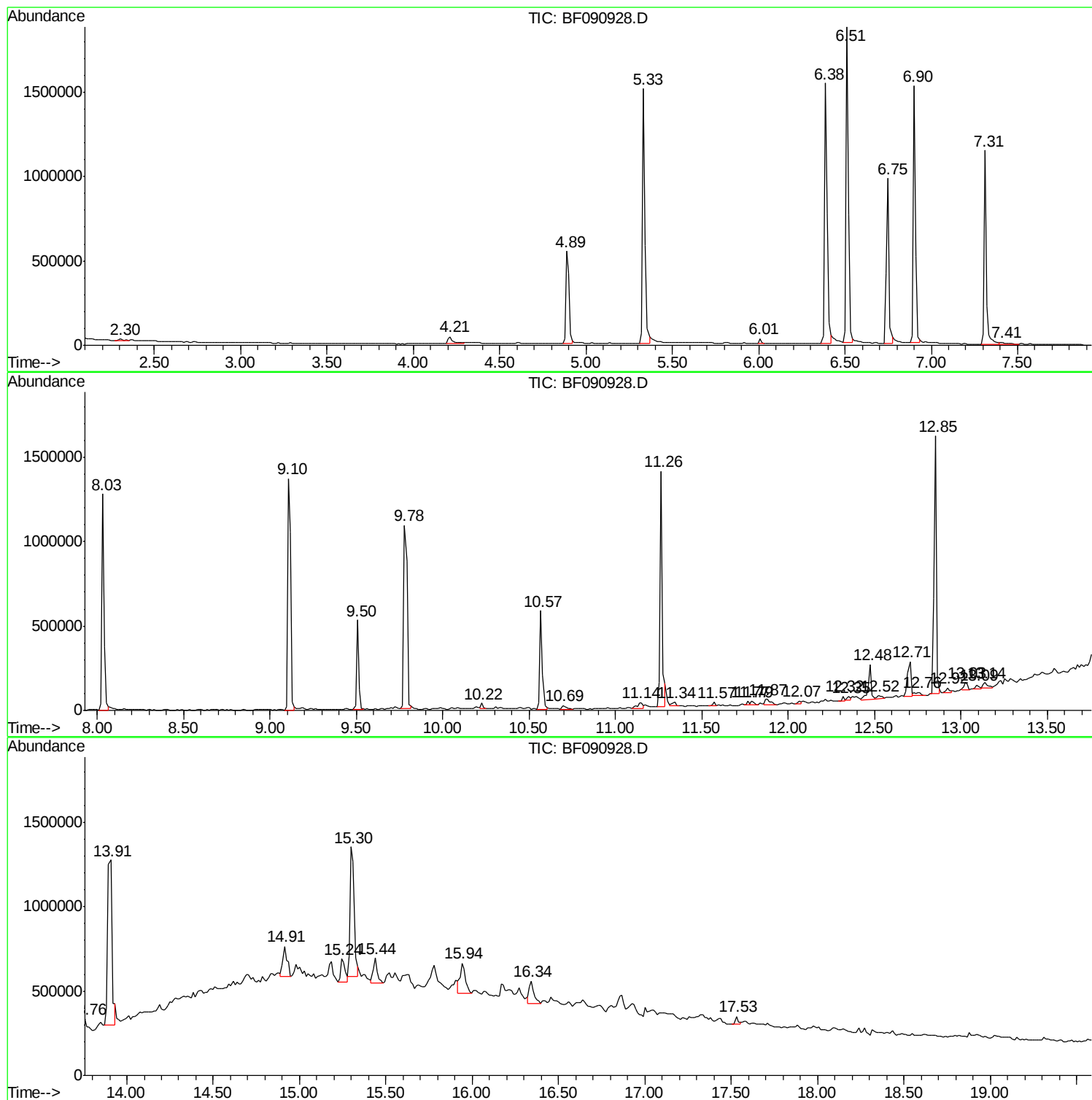
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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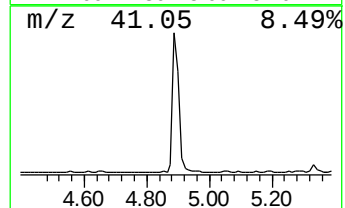
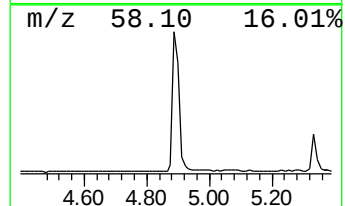
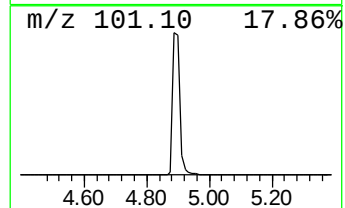
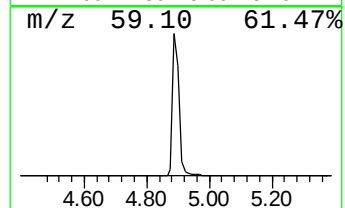
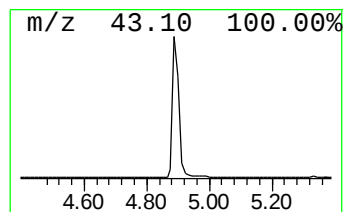
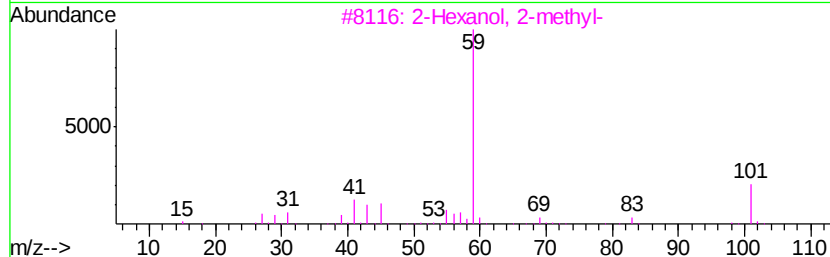
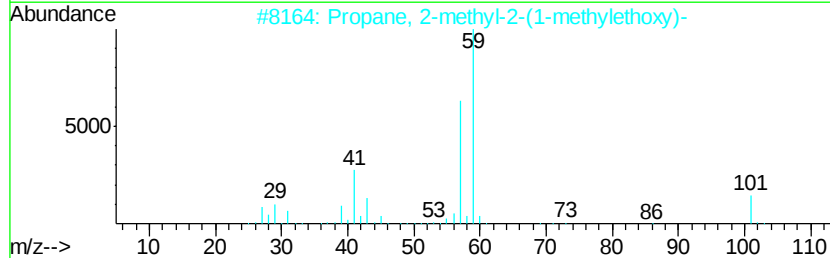
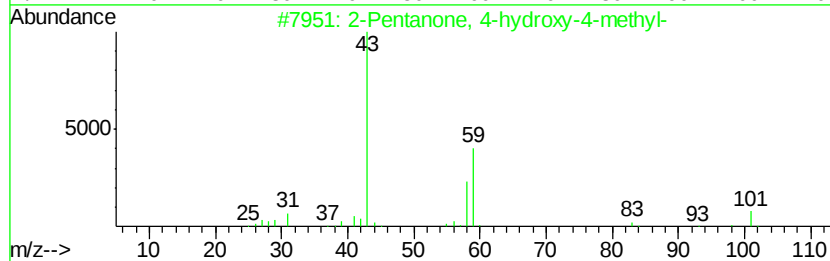
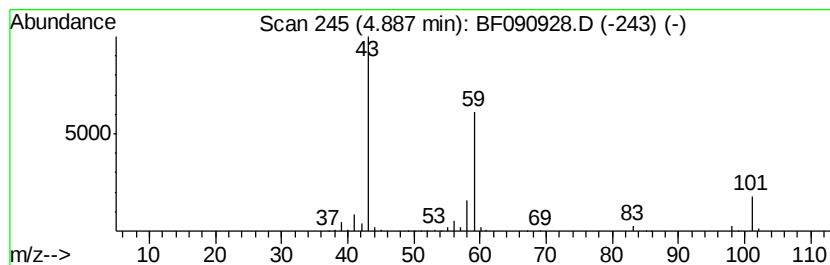
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.89 | 13.88 ng | 725716 | 1,4-Dichlorobenzene-d4 | 6.75 |

| 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 | 40   |
| 4    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |



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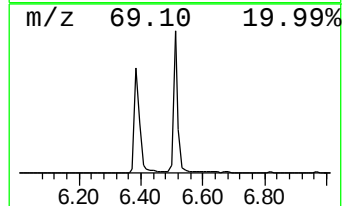
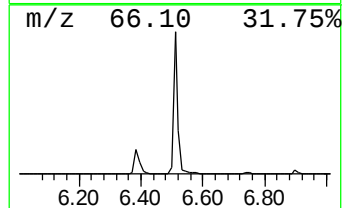
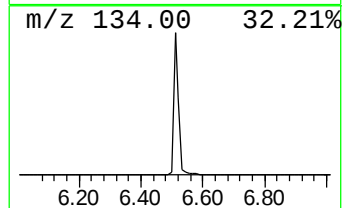
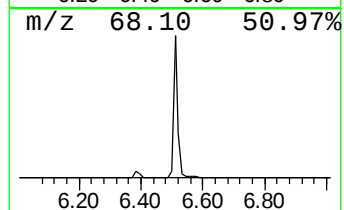
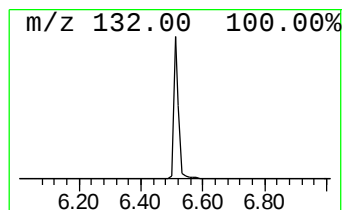
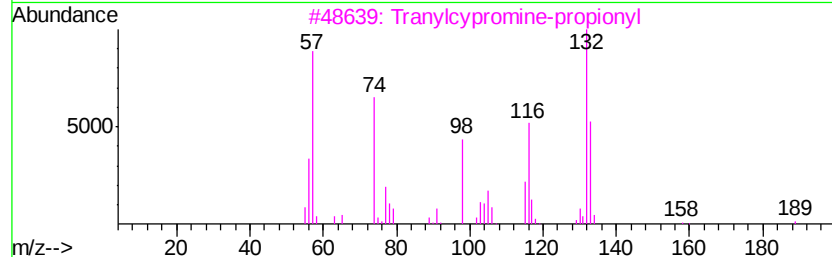
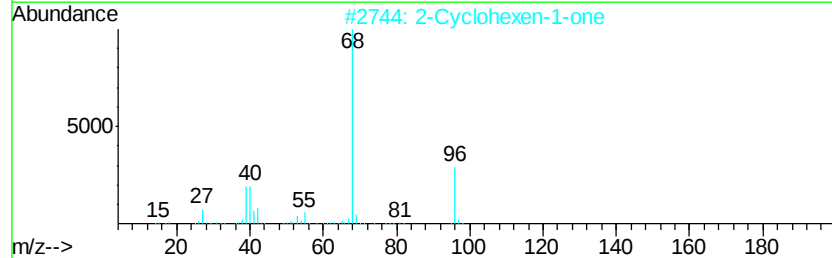
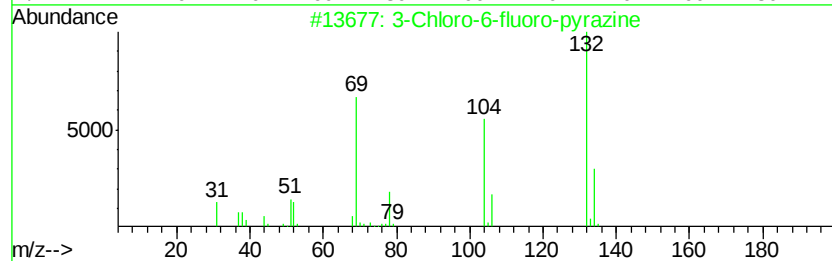
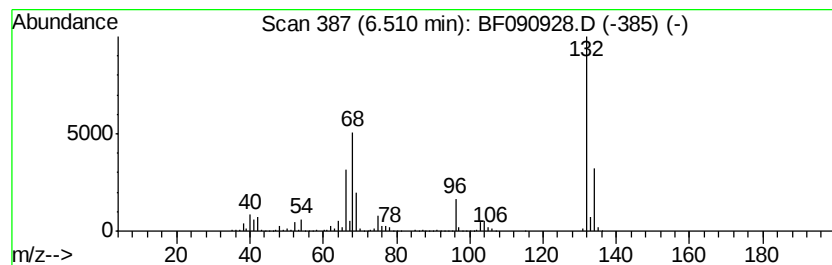
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.51 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.51 | 36.37 ng | 1901970 | 1,4-Dichlorobenzene-d4 | 6.75 |

| Hit# | of                                  | Tentative ID | MW        | MolForm      | CAS# | Qual |
|------|-------------------------------------|--------------|-----------|--------------|------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine          | 132          | C4H2ClFN2 | 1000146-10-7 | 16   |      |
| 2    | 2-Cyclohexen-1-one                  | 96           | C6H8O     | 000930-68-7  | 11   |      |
| 3    | Tranylcypromine-propionyl           | 189          | C12H15NO  | 1000123-86-3 | 10   |      |
| 4    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132          | C3H4N2S2  | 029490-19-5  | 9    |      |
| 5    | Bicyclo[3.1.0]hexan-3-one           | 96           | C6H8O     | 001755-04-0  | 9    |      |



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ClientSampleId :  
SB-4COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

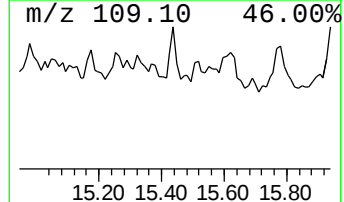
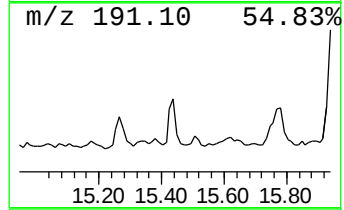
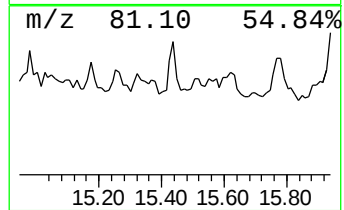
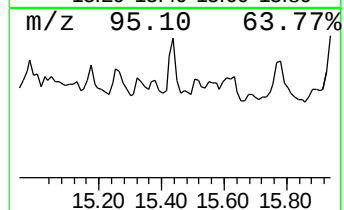
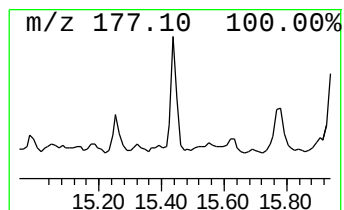
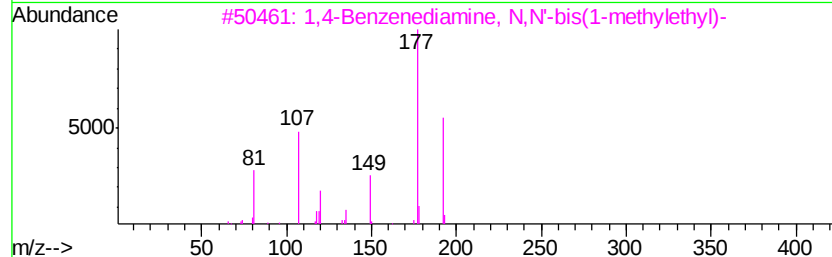
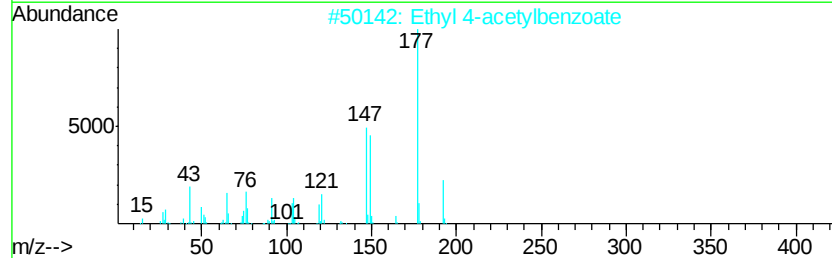
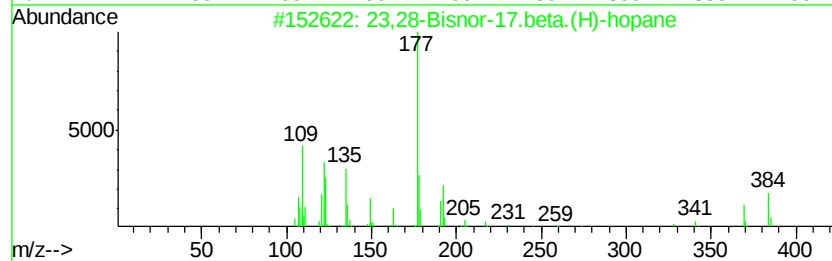
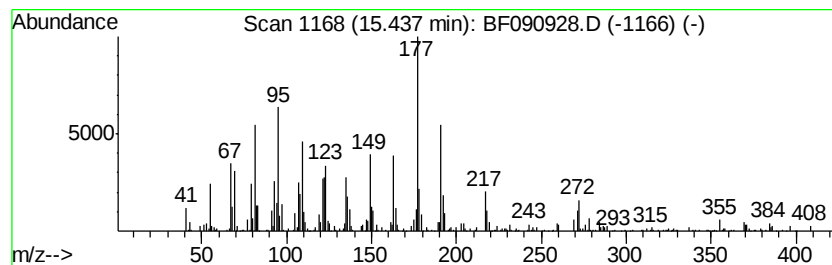
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 23,28-Bisnor-17.beta.(H)-ho... Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.44 | 3.67 ng | 220069 | Perylene-d12     | 15.30 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 23,28-Bisnor-17.beta.(H)-hopane     | 384 | C28H48   | 1000101-35-0 | 70   |
| 2    |    | Ethyl 4-acetylbenzoate              | 192 | C11H12O3 | 038430-55-6  | 30   |
| 3    |    | 1,4-Benzenediamine, N,N'-bis(1-m... | 192 | C12H20N2 | 004251-01-8  | 27   |
| 4    |    | 4-Propylbenzaldehyde diethyl acetal | 222 | C14H22O2 | 089557-35-7  | 25   |
| 5    |    | 2H-1,2,3-Triazole-4-carboxaldehy... | 191 | C9H6FN3O | 051306-43-5  | 14   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

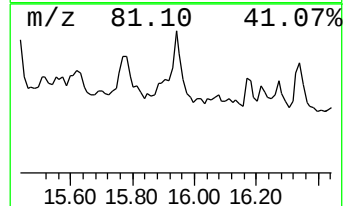
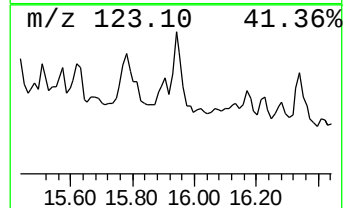
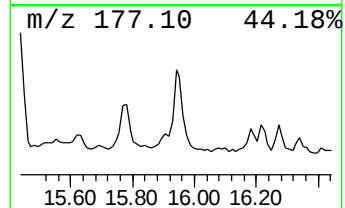
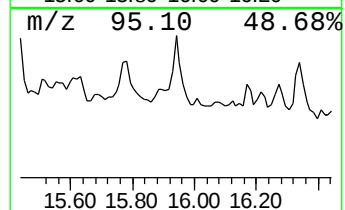
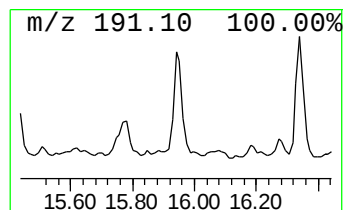
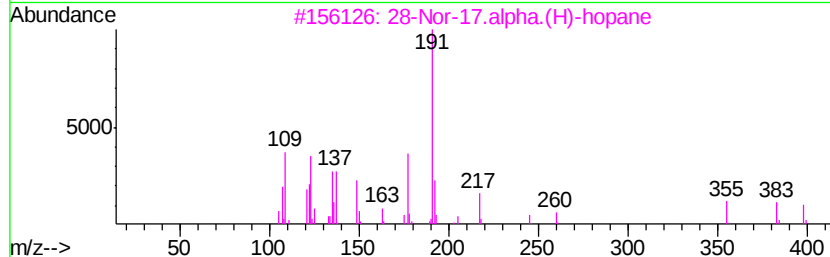
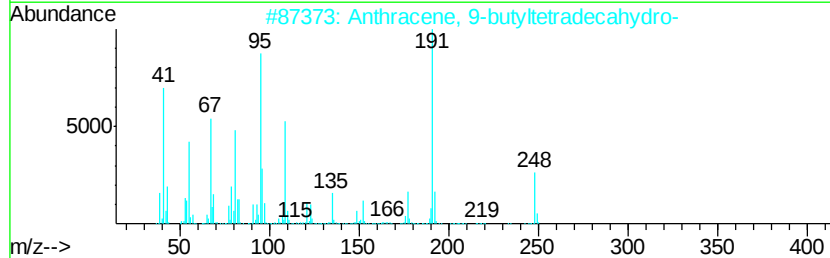
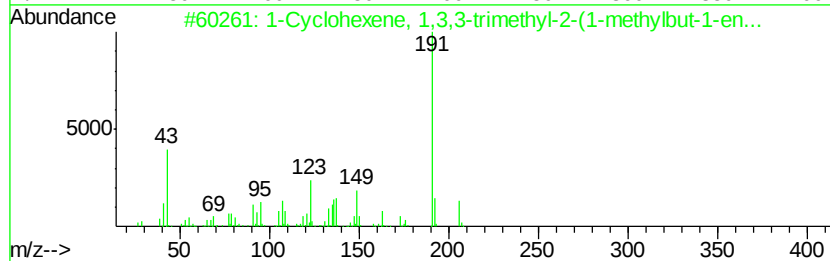
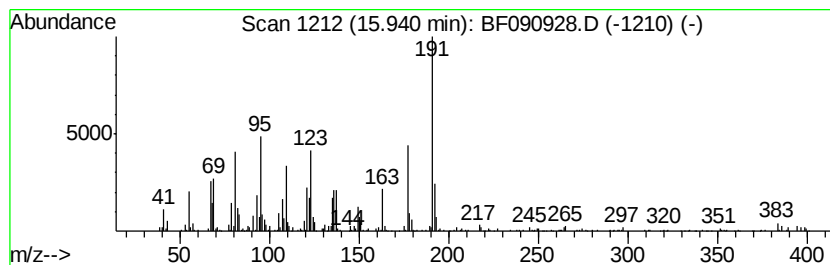
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown15.94 Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.94 | 6.02 ng | 361132 | Perylene-d12     | 15.30 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | 1-Cyclohexene, 1,3,3-trimethyl-2... | 206 | C14H22O | 1000197-08-4 | 42   |
| 2    |    | Anthracene, 9-butyltetradecahydro-  | 248 | C18H32  | 055133-89-6  | 37   |
| 3    |    | 28-Nor-17.alpha.(H)-hopane          | 398 | C29H50  | 053584-60-4  | 32   |
| 4    |    | .beta.-iso-Methyl ionone            | 206 | C14H22O | 1000285-40-2 | 25   |
| 5    |    | 28-Nor-17.beta.(H)-hopane           | 398 | C29H50  | 036728-72-0  | 23   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF103116\  
Data File : BF090928.D  
Acq On : 31 Oct 2016 15:16  
Operator : UM/SJ  
Sample : H5423-07 2X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

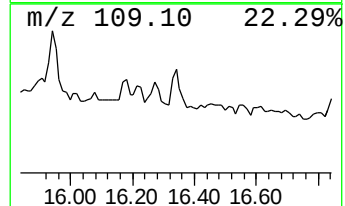
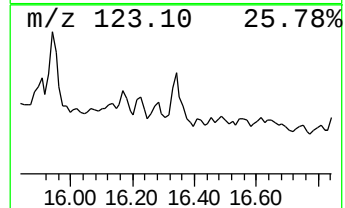
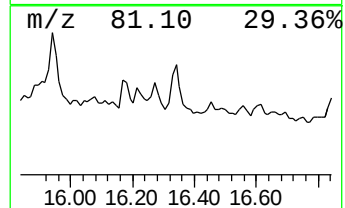
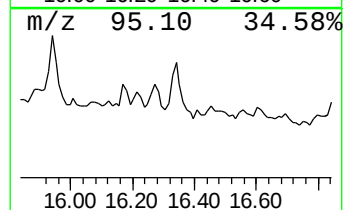
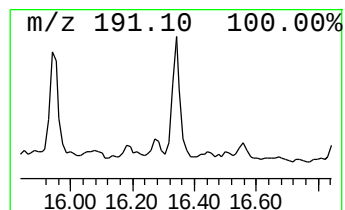
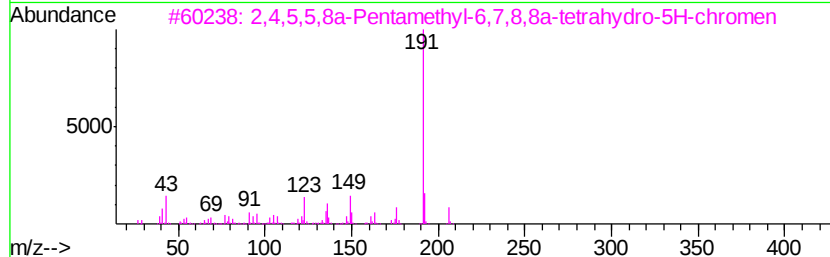
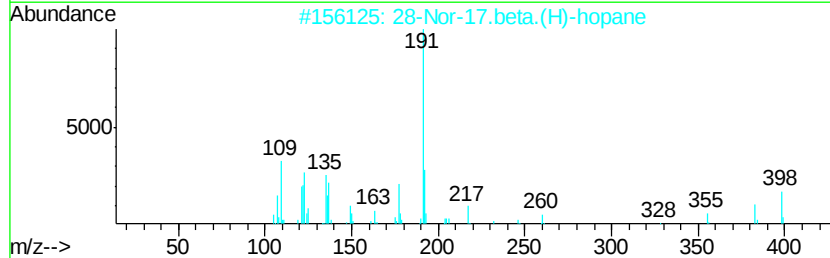
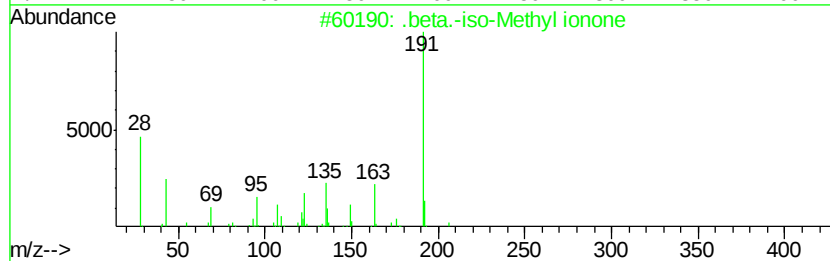
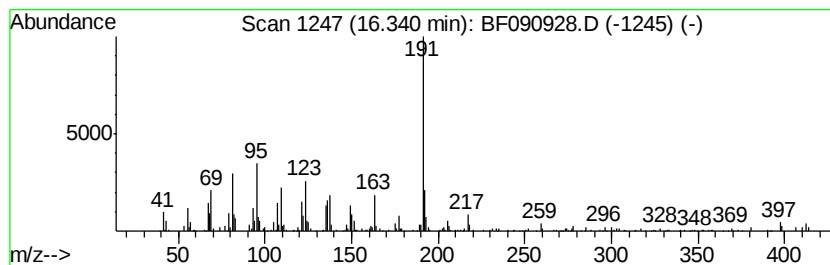
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 .beta.-iso-Methyl ionone Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.34 | 4.45 ng | 267052 | Perylene-d12     | 15.30 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|---------|---|-------------------------------------|-----|---------|--------------|------|
| 1       |   | .beta.-iso-Methyl ionone            | 206 | C14H22O | 1000285-40-2 | 68   |
| 2       |   | 28-Nor-17.beta.(H)-hopane           | 398 | C29H50  | 036728-72-0  | 56   |
| 3       |   | 2,4,5,5,8a-Pentamethyl-6,7,8,8a-... | 206 | C14H22O | 1000195-40-9 | 50   |
| 4       |   | 1-Penten-3-one, 1-(2,6,6-trimeth... | 206 | C14H22O | 000127-43-5  | 47   |
| 5       |   | 5H-Benzo[def]carbazole              | 191 | C14H9N  | 000203-65-6  | 46   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF103116\  
Data File : BF090928.D  
Acq On : 31 Oct 2016 15:16  
Operator : UM/SJ  
Sample : H5423-07 2X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.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... | 4.89  | 13.9    | ng    | 725716   | 1                       | 6.75  | 1045820 | 20.0 |
| unknown6.51          | 6.51  | 36.4    | ng    | 1901970  | 1                       | 6.75  | 1045820 | 20.0 |
| 23,28-Bisnor-17.b... | 15.44 | 3.7     | ng    | 220069   | 6                       | 15.30 | 1199320 | 20.0 |
| unknown15.94         | 15.94 | 6.0     | ng    | 361132   | 6                       | 15.30 | 1199320 | 20.0 |
| .beta.-iso-Methyl... | 16.34 | 4.5     | ng    | 267052   | 6                       | 15.30 | 1199320 | 20.0 |