

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\  
 Data File : BF093510.D  
 Acq On : 10 Mar 2017 8:11  
 Operator : SJ/MA  
 Sample : I2132-03  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-06

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-BF030717.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         | 4.904       | 262           | 264         | 275          | rBV      | 291131         | 529805        | 10.75%          | 1.247%        |
| 2         | 5.350       | 301           | 303         | 319          | rBV      | 1892421        | 2567379       | 52.10%          | 6.040%        |
| 3         | 5.750       | 333           | 338         | 344          | rBV      | 52695          | 85806         | 1.74%           | 0.202%        |
| 4         | 6.413       | 394           | 396         | 403          | rBV      | 1114658        | 1680905       | 34.11%          | 3.955%        |
| 5         | 6.527       | 403           | 406         | 409          | rVV      | 3495916        | 4315751       | 87.57%          | 10.154%       |
| 6         | 6.744       | 423           | 425         | 431          | rBV      | 856838         | 1142834       | 23.19%          | 2.689%        |
| 7         | 6.904       | 437           | 439         | 444          | rBV      | 4038545        | 3853939       | 78.20%          | 9.067%        |
| 8         | 7.282       | 468           | 472         | 474          | rBV2     | 29928          | 60421         | 1.23%           | 0.142%        |
| 9         | 7.327       | 474           | 476         | 478          | rBV      | 3491868        | 3671548       | 74.50%          | 8.638%        |
| 10        | 7.522       | 490           | 493         | 498          | rVB7     | 21897          | 72567         | 1.47%           | 0.171%        |
| 11        | 7.773       | 513           | 515         | 518          | rBV3     | 59096          | 97751         | 1.98%           | 0.230%        |
| 12        | 8.036       | 536           | 538         | 547          | rVB      | 1680830        | 1614189       | 32.75%          | 3.798%        |
| 13        | 8.185       | 547           | 551         | 554          | rBV3     | 34364          | 76133         | 1.54%           | 0.179%        |
| 14        | 8.276       | 556           | 559         | 563          | rVB4     | 41953          | 84517         | 1.71%           | 0.199%        |
| 15        | 8.413       | 570           | 571         | 574          | rVB2     | 44830          | 63827         | 1.30%           | 0.150%        |
| 16        | 8.687       | 593           | 595         | 597          | rVB2     | 40978          | 53717         | 1.09%           | 0.126%        |
| 17        | 8.859       | 608           | 610         | 615          | rVB2     | 60136          | 111075        | 2.25%           | 0.261%        |
| 18        | 8.973       | 618           | 620         | 624          | rVB2     | 60623          | 85573         | 1.74%           | 0.201%        |
| 19        | 9.065       | 624           | 628         | 629          | rBV4     | 31207          | 61280         | 1.24%           | 0.144%        |
| 20        | 9.110       | 629           | 632         | 634          | rBV      | 5290481        | 4928198       | 100.00%         | 11.595%       |
| 21        | 9.225       | 640           | 642         | 643          | rBV      | 54786          | 70705         | 1.43%           | 0.166%        |
| 22        | 9.259       | 643           | 645         | 646          | rVB      | 72816          | 80984         | 1.64%           | 0.191%        |
| 23        | 9.373       | 653           | 655         | 658          | rBV4     | 38894          | 63354         | 1.29%           | 0.149%        |
| 24        | 9.442       | 659           | 661         | 665          | rBV3     | 46645          | 107745        | 2.19%           | 0.253%        |
| 25        | 9.510       | 665           | 667         | 668          | rBV      | 293076         | 242673        | 4.92%           | 0.571%        |
| 26        | 9.648       | 677           | 679         | 681          | rBV3     | 30739          | 63774         | 1.29%           | 0.150%        |
| 27        | 9.716       | 683           | 685         | 687          | rVB2     | 53032          | 61208         | 1.24%           | 0.144%        |
| 28        | 9.785       | 689           | 691         | 693          | rBV      | 1791719        | 1589774       | 32.26%          | 3.740%        |
| 29        | 9.945       | 703           | 705         | 706          | rBV2     | 32566          | 53932         | 1.09%           | 0.127%        |
| 30        | 10.025      | 708           | 712         | 714          | rVV      | 1165266        | 1583036       | 32.12%          | 3.725%        |
| 31        | 10.105      | 717           | 719         | 722          | rVB2     | 57022          | 80493         | 1.63%           | 0.189%        |
| 32        | 10.208      | 727           | 728         | 730          | rVB      | 102254         | 107462        | 2.18%           | 0.253%        |
| 33        | 10.425      | 745           | 747         | 750          | rVB      | 57057          | 90771         | 1.84%           | 0.214%        |
| 34        | 10.482      | 750           | 752         | 754          | rVB2     | 61970          | 75133         | 1.52%           | 0.177%        |

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Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-06

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-BF030717.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 10.539 | 754  | 757  | 758  | rBV3 | 44575   | 90025   | 1.83%  | 0.212% |
| 36 | 10.573 | 758  | 760  | 763  | rBV2 | 1940378 | 2621914 | 53.20% | 6.169% |
| 37 | 10.688 | 768  | 770  | 774  | rVB3 | 108335  | 237914  | 4.83%  | 0.560% |
| 38 | 10.756 | 774  | 776  | 778  | rBV  | 157815  | 233307  | 4.73%  | 0.549% |
| 39 | 10.791 | 778  | 779  | 781  | rVV2 | 128069  | 161278  | 3.27%  | 0.379% |
| 40 | 10.825 | 781  | 782  | 785  | rVB2 | 114389  | 146709  | 2.98%  | 0.345% |
| 41 | 10.905 | 785  | 789  | 790  | rBV3 | 125861  | 245565  | 4.98%  | 0.578% |
| 42 | 10.939 | 790  | 792  | 794  | rVV  | 160664  | 227824  | 4.62%  | 0.536% |
| 43 | 10.973 | 794  | 795  | 797  | rVV  | 122803  | 117960  | 2.39%  | 0.278% |
| 44 | 11.008 | 797  | 798  | 802  | rVB3 | 95529   | 130683  | 2.65%  | 0.307% |
| 45 | 11.133 | 806  | 809  | 810  | rBV  | 114699  | 137043  | 2.78%  | 0.322% |
| 46 | 11.168 | 810  | 812  | 814  | rVB2 | 151425  | 200450  | 4.07%  | 0.472% |
| 47 | 11.271 | 818  | 821  | 823  | rBV  | 1686491 | 1539786 | 31.24% | 3.623% |
| 48 | 11.396 | 829  | 832  | 834  | rBV4 | 31110   | 70779   | 1.44%  | 0.167% |
| 49 | 11.499 | 837  | 841  | 844  | rBV2 | 151395  | 312381  | 6.34%  | 0.735% |
| 50 | 11.556 | 844  | 846  | 848  | rVV  | 114555  | 97110   | 1.97%  | 0.228% |
| 51 | 11.968 | 880  | 882  | 884  | rBV  | 59607   | 75861   | 1.54%  | 0.178% |
| 52 | 12.345 | 914  | 915  | 917  | rVB  | 45136   | 59982   | 1.22%  | 0.141% |
| 53 | 12.631 | 938  | 940  | 943  | rVB  | 90136   | 94081   | 1.91%  | 0.221% |
| 54 | 12.756 | 949  | 951  | 954  | rVB3 | 28074   | 54959   | 1.12%  | 0.129% |
| 55 | 12.848 | 957  | 959  | 962  | rBV  | 2980314 | 3741254 | 75.92% | 8.802% |
| 56 | 13.637 | 1025 | 1028 | 1031 | rBV2 | 34898   | 51403   | 1.04%  | 0.121% |
| 57 | 13.751 | 1036 | 1038 | 1042 | rBV  | 75915   | 99803   | 2.03%  | 0.235% |
| 58 | 13.911 | 1050 | 1052 | 1055 | rBV  | 1052682 | 1015566 | 20.61% | 2.389% |
| 59 | 15.317 | 1172 | 1175 | 1179 | rBV  | 789963  | 1008036 | 20.45% | 2.372% |
| 60 | 15.694 | 1206 | 1208 | 1211 | rVB  | 37824   | 54139   | 1.10%  | 0.127% |
| 61 | 16.140 | 1244 | 1247 | 1252 | rVB2 | 37801   | 87226   | 1.77%  | 0.205% |
| 62 | 16.665 | 1291 | 1293 | 1297 | rVB2 | 33662   | 59273   | 1.20%  | 0.139% |
| 63 | 17.283 | 1343 | 1347 | 1353 | rVB4 | 33731   | 102670  | 2.08%  | 0.242% |

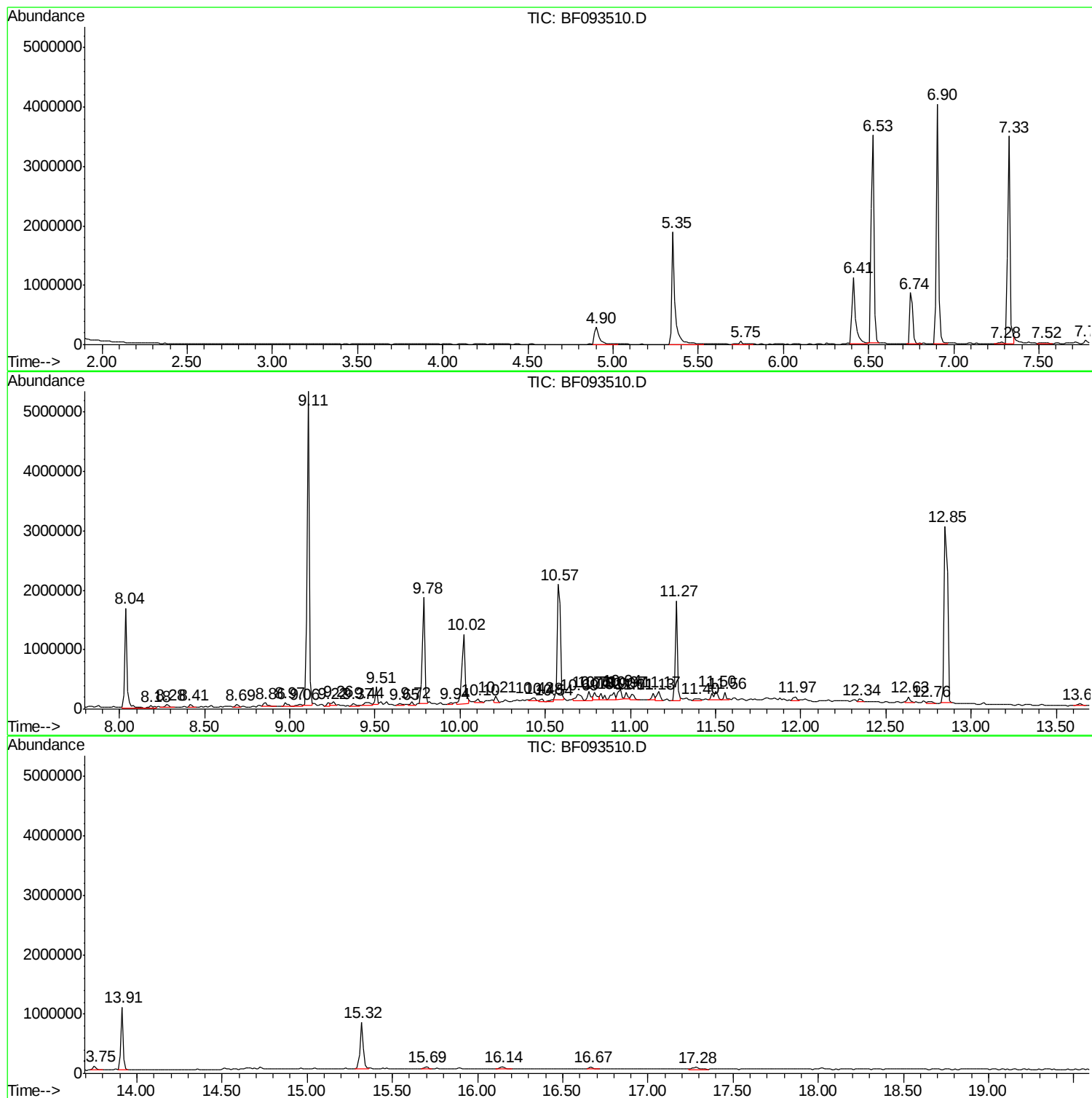
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ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
W-06

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.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\BF030917\  
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Instrument :  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

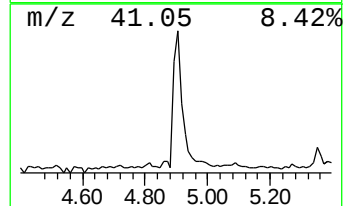
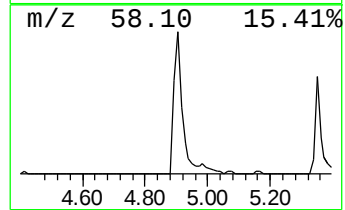
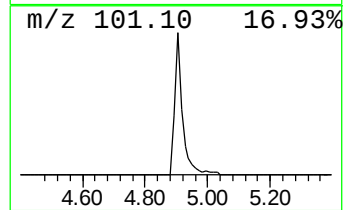
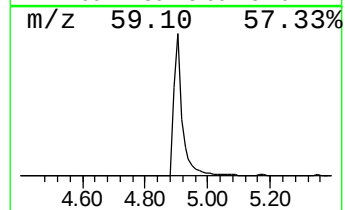
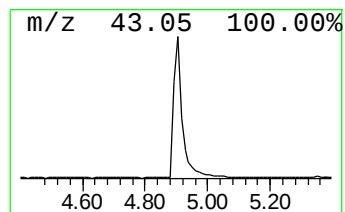
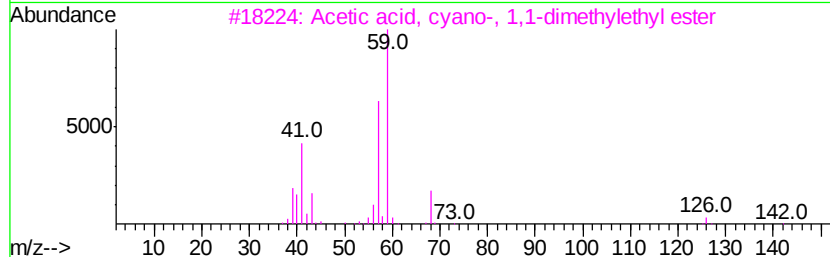
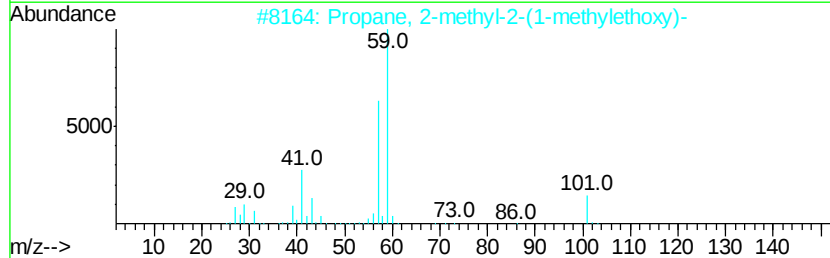
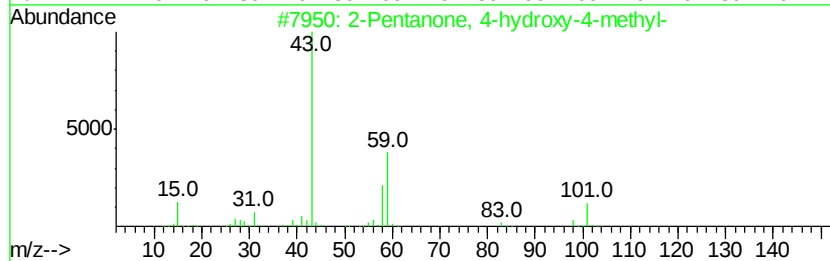
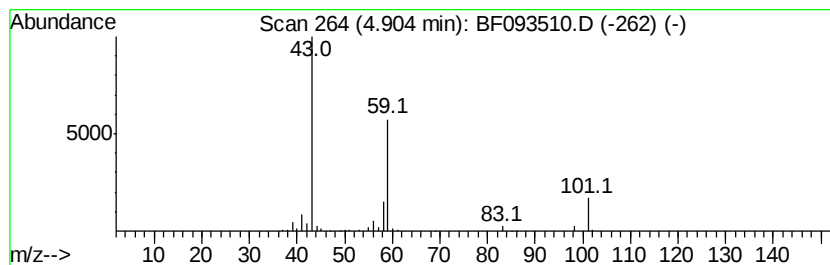
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.90 | 9.27 ng | 529805 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# of | 5                                    | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|--------------------------------------|--------------|----------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl-     | 116          | C6H12O2  | 000123-42-2 | 59   |      |
| 2       | Propane, 2-methyl-2-(1-methyleth...  | 116          | C7H16O   | 017348-59-3 | 36   |      |
| 3       | Acetic acid, cyano-, 1,1-dimethyl... | 141          | C7H11NO2 | 001116-98-9 | 25   |      |
| 4       | 1-Propen-2-ol, acetate               | 100          | C5H8O2   | 000108-22-5 | 10   |      |
| 5       | 2,3-Butanedione, monooxime           | 101          | C4H7NO2  | 000057-71-6 | 10   |      |



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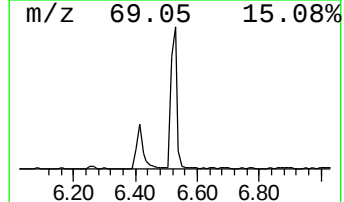
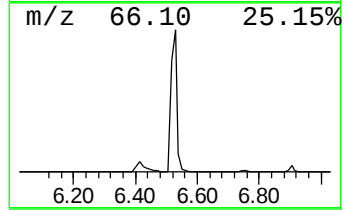
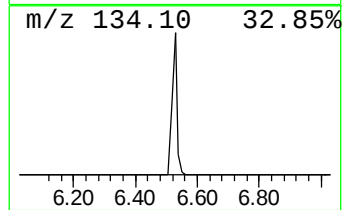
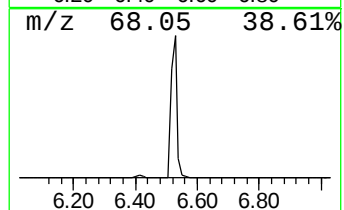
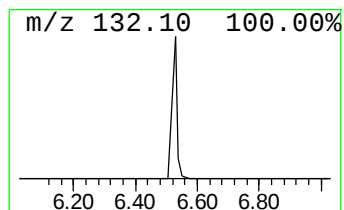
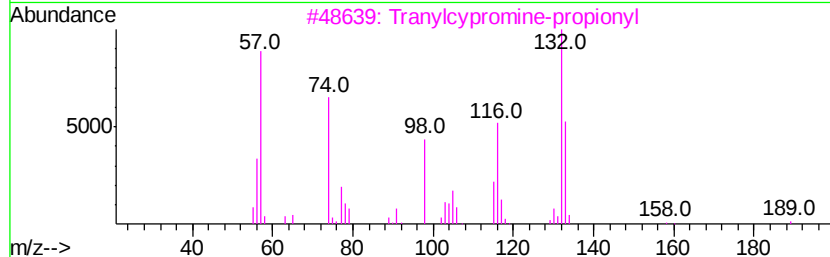
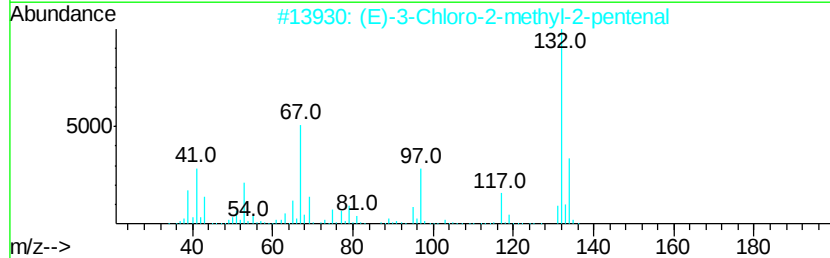
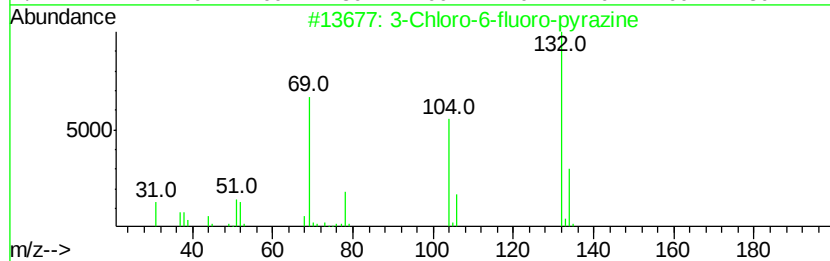
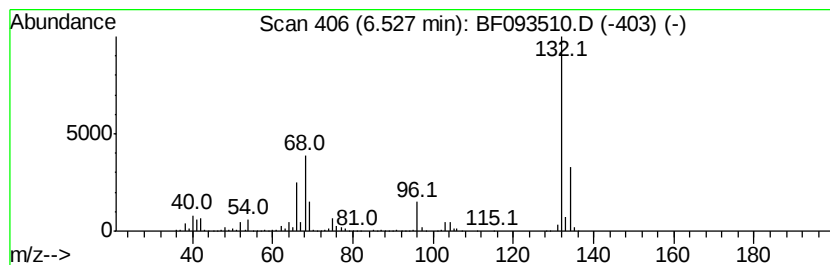
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.53 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.53 | 75.53 ng | 4315750 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 5    |    | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |



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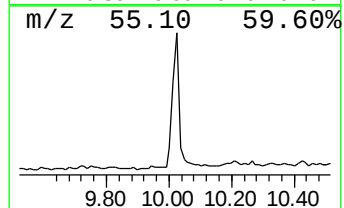
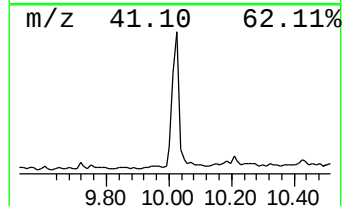
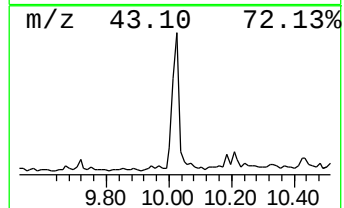
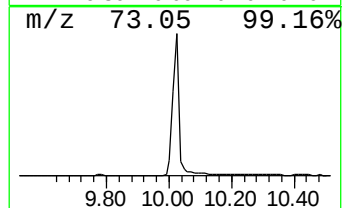
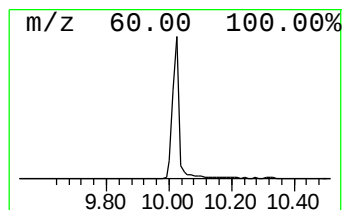
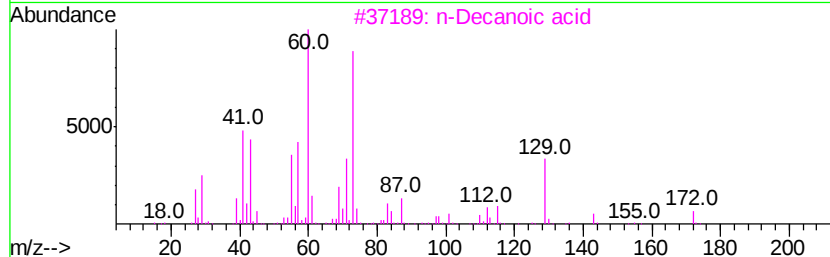
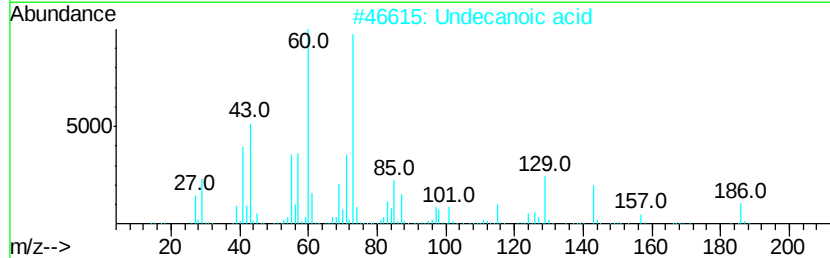
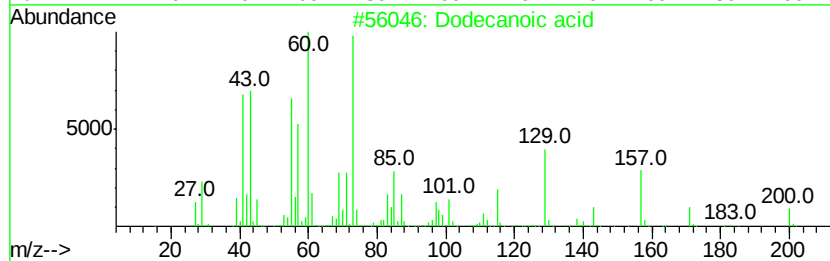
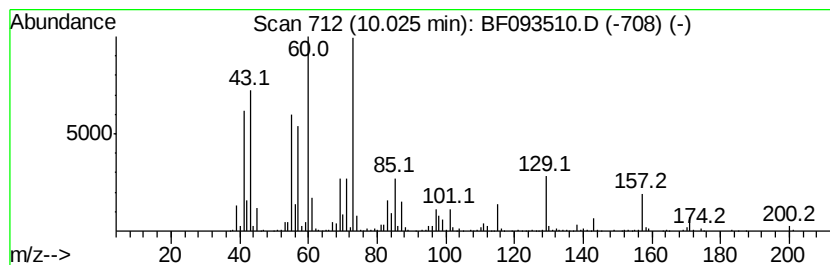
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BNA\_F  
ClientSampleId :  
W-06

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Dodecanoic acid Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD |     | R.T.     |             |      |
|-------|----------|---------|------------------|-----|----------|-------------|------|
| 10.02 | 19.92 ng | 1583040 | Acenaphthene-d10 |     | 9.78     |             |      |
| Hit#  | of       | 5       | Tentative ID     | MW  | MolForm  | CAS#        | Qual |
| 1     |          |         | Dodecanoic acid  | 200 | C12H24O2 | 000143-07-7 | 98   |
| 2     |          |         | Undecanoic acid  | 186 | C11H22O2 | 000112-37-8 | 80   |
| 3     |          |         | n-Decanoic acid  | 172 | C10H20O2 | 000334-48-5 | 70   |
| 4     |          |         | Octanoic Acid    | 144 | C8H16O2  | 000124-07-2 | 60   |
| 5     |          |         | Nonanoic acid    | 158 | C9H18O2  | 000112-05-0 | 58   |



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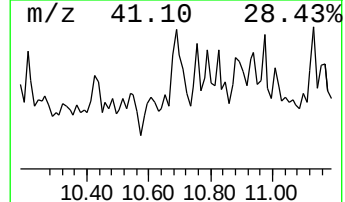
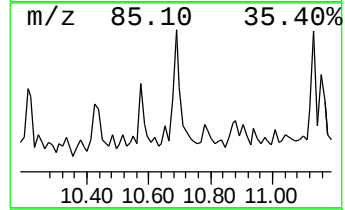
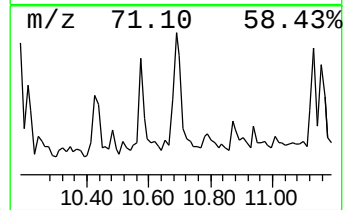
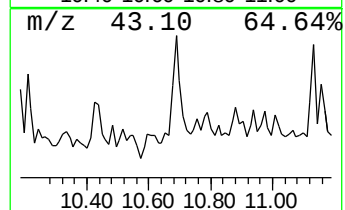
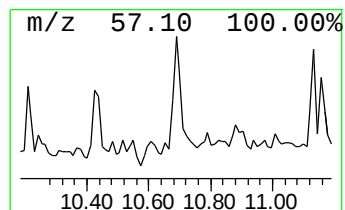
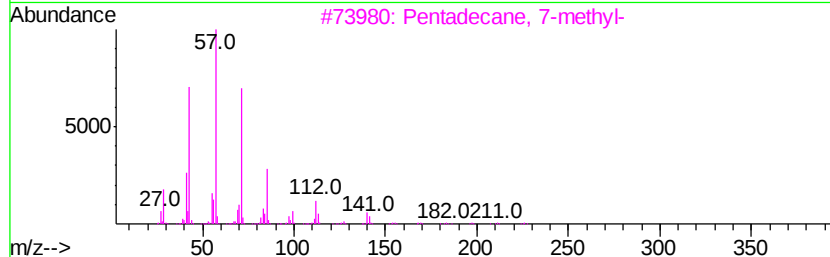
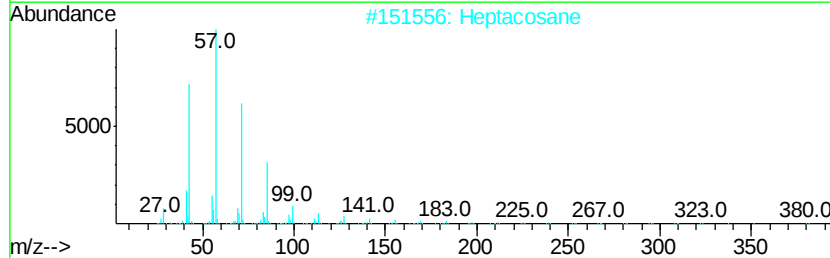
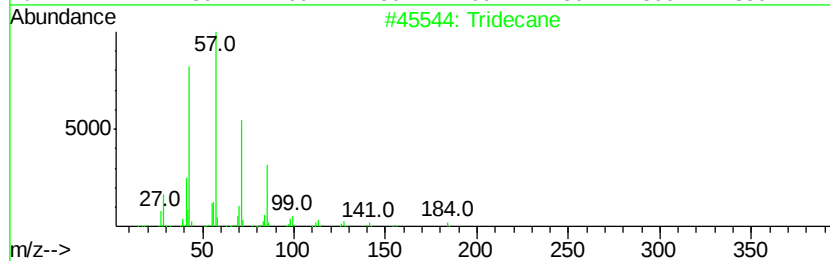
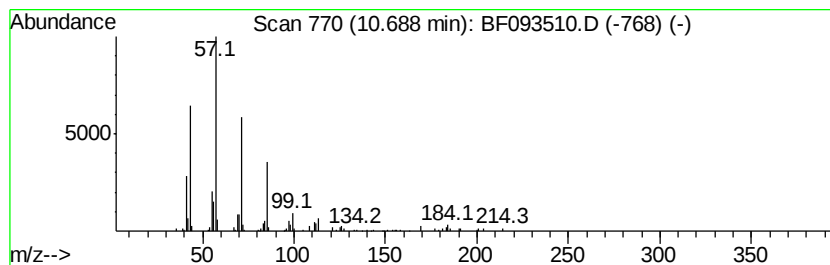
Instrument :  
BNA\_F  
ClientSampleId :  
W-06

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Tridecane Concentration Rank 7

| R.T.      | EstConc                | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------|--------|------------------|-------------|------|
| 10.69     | 3.09 ng                | 237914 | Phenanthrene-d10 | 11.27       |      |
| Hit# of 5 | Tentative ID           | MW     | MolForm          | CAS#        | Qual |
| 1         | Tridecane              | 184    | C13H28           | 000629-50-5 | 87   |
| 2         | Heptacosane            | 380    | C27H56           | 000593-49-7 | 86   |
| 3         | Pentadecane, 7-methyl- | 226    | C16H34           | 006165-40-8 | 86   |
| 4         | Eicosane               | 282    | C20H42           | 000112-95-8 | 80   |
| 5         | Tetracosane            | 338    | C24H50           | 000646-31-1 | 80   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\  
Data File : BF093510.D  
Acq On : 10 Mar 2017 8:11  
Operator : SJ/MA  
Sample : I2132-03  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-06

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

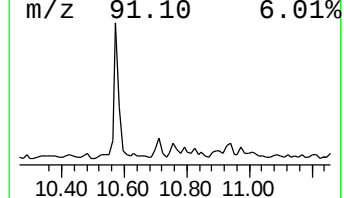
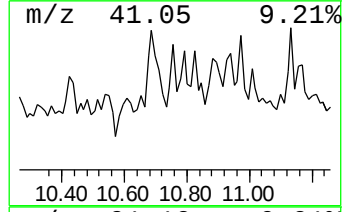
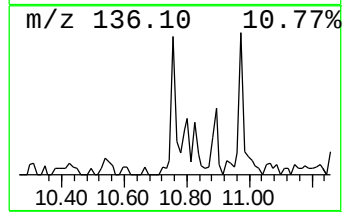
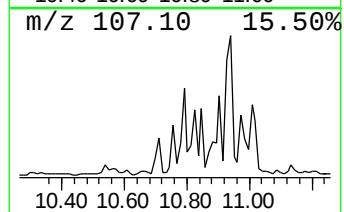
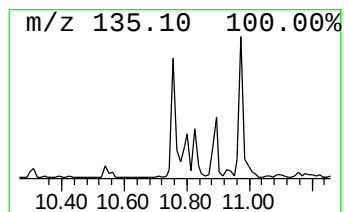
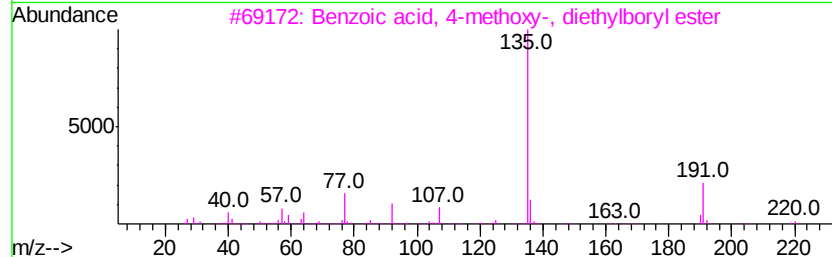
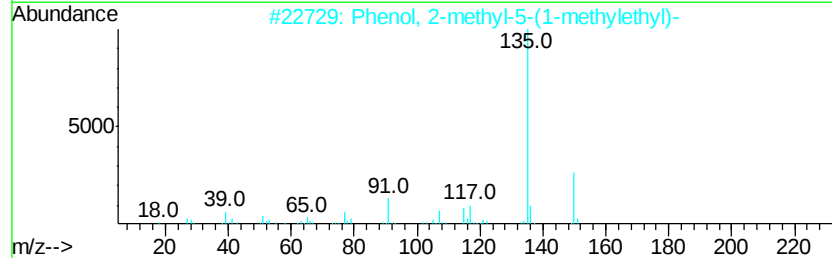
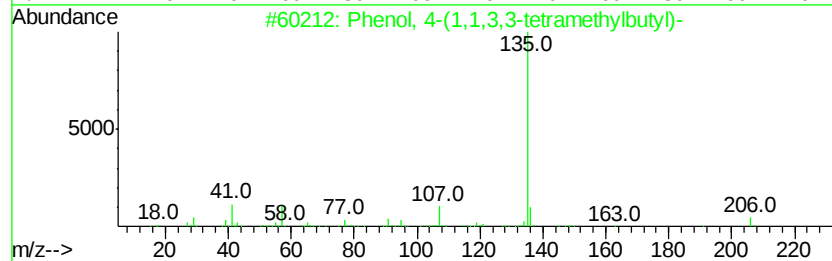
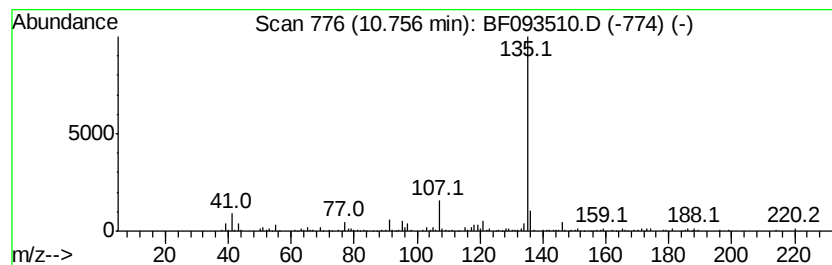
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.76 | 3.03 ng | 233307 | Phenanthrene-d10 | 11.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Phenol, 4-(1,1,3,3-tetramethylbu... | 206 | C14H22O     | 000140-66-9 | 72   |
| 2    |    | Phenol, 2-methyl-5-(1-methylethyl)- | 150 | C10H14O     | 000499-75-2 | 64   |
| 3    |    | Benzoic acid, 4-methoxy-, diethy... | 220 | C12H17B03   | 146681-61-0 | 64   |
| 4    |    | Carbamic acid, N-[1,1-bis(triflu... | 413 | C19H25F6N02 | 296242-69-8 | 64   |
| 5    |    | Tricyclo[3.3.1.1(3,7)-]decane, 1... | 214 | C10H15Br    | 000768-90-1 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030917\  
Data File : BF093510.D  
Acq On : 10 Mar 2017 8:11  
Operator : SJ/MA  
Sample : I2132-03  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-06

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

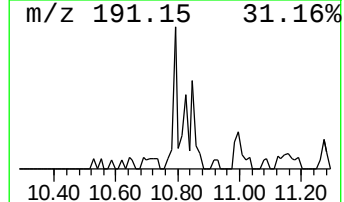
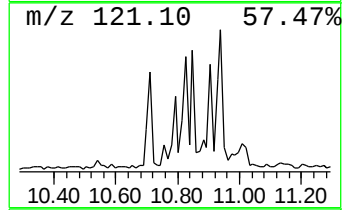
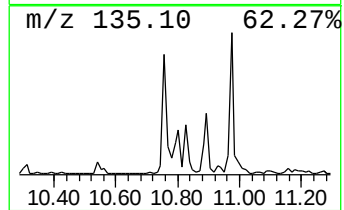
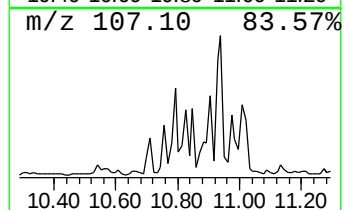
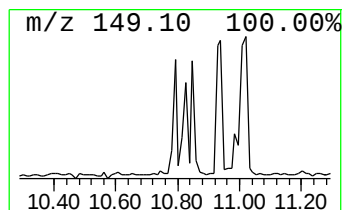
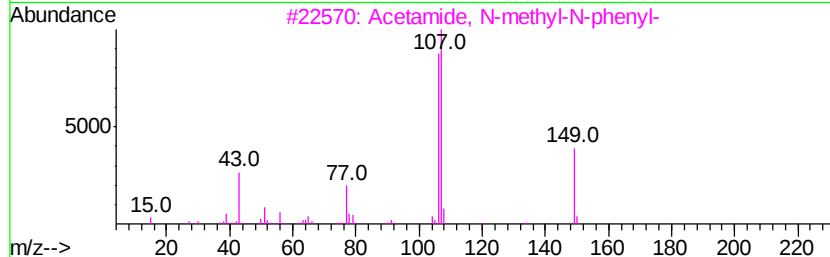
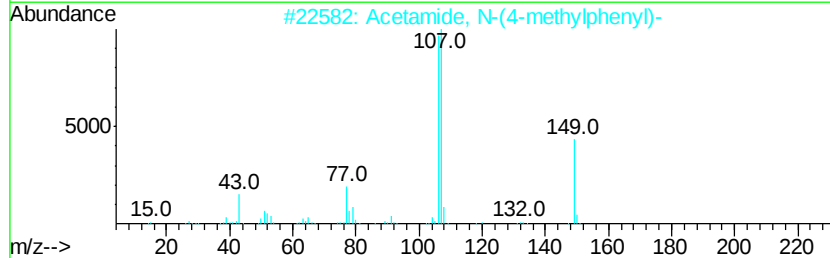
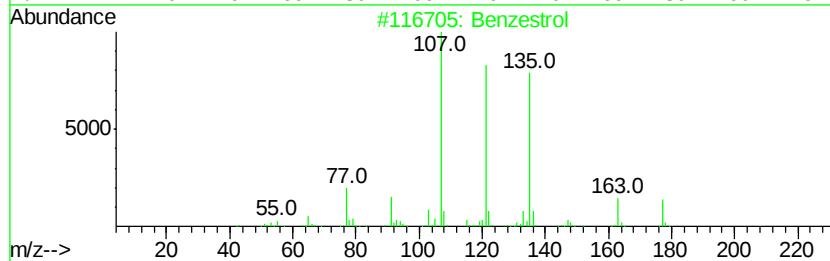
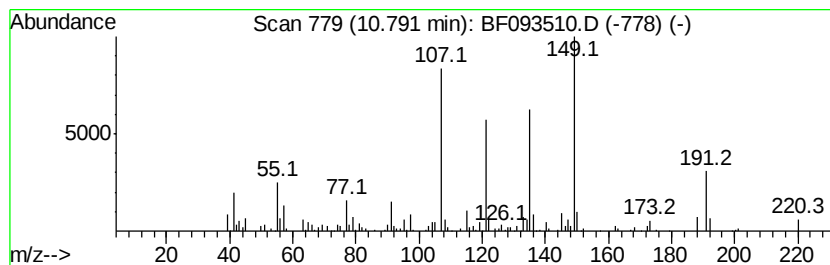
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 unknown10.79 Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.79 | 2.09 ng | 161278 | Phenanthrene-d10 | 11.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Benzestrol                          | 298 | C20H26O2 | 000085-95-0 | 43   |
| 2    |    | Acetamide, N-(4-methylphenyl)-      | 149 | C9H11NO  | 000103-89-9 | 38   |
| 3    |    | Acetamide, N-methyl-N-phenyl-       | 149 | C9H11NO  | 000579-10-2 | 38   |
| 4    |    | Phenol, 2-(1,1-dimethylethyl)-      | 150 | C10H14O  | 000088-18-6 | 38   |
| 5    |    | Pyridine-3-carbonitrile, 1,2-dih... | 191 | C9H9N3O2 | 220098-92-0 | 35   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\  
Data File : BF093510.D  
Acq On : 10 Mar 2017 8:11  
Operator : SJ/MA  
Sample : I2132-03  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

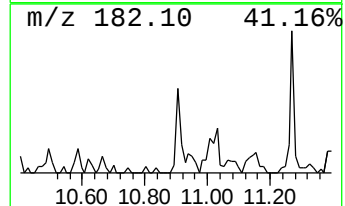
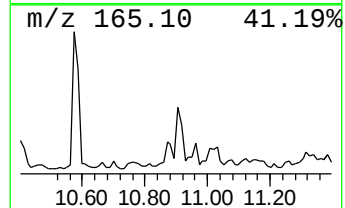
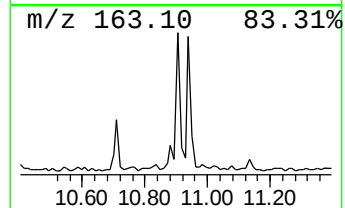
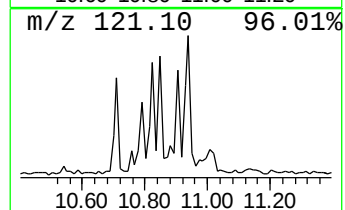
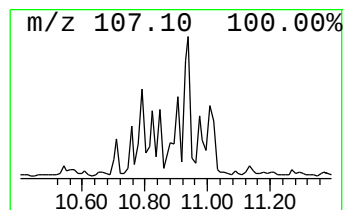
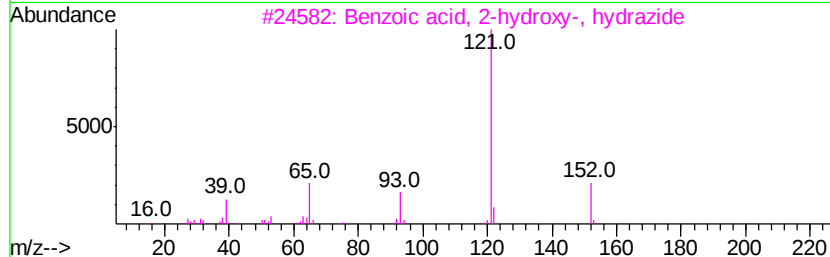
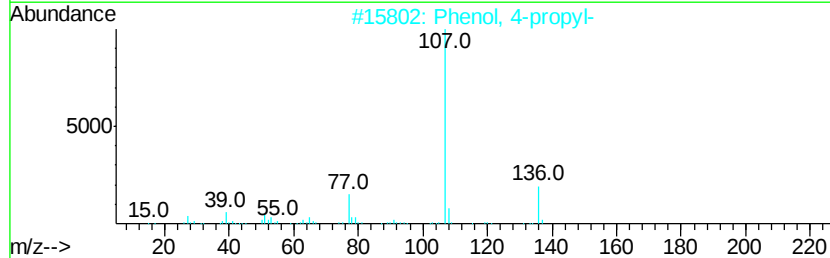
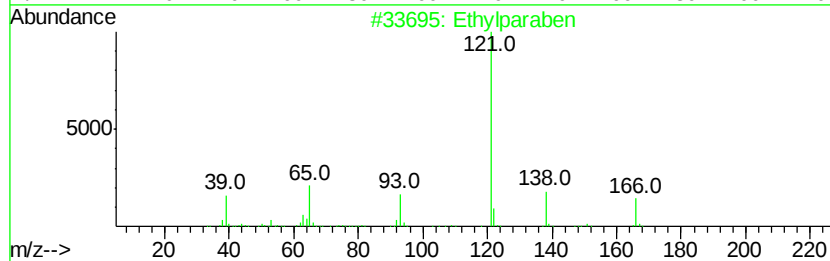
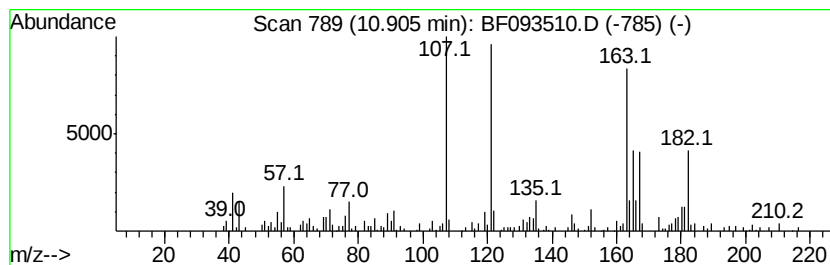
Instrument :  
BNA\_F  
ClientSampleId :  
W-06

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 unknown10.90 Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 10.90     | 3.19 ng                             | 245565 | Phenanthrene-d10 | 11.27       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Ethylparaben                        | 166    | C9H10O3          | 000120-47-8 | 11   |
| 2         | Phenol, 4-propyl-                   | 136    | C9H12O           | 000645-56-7 | 11   |
| 3         | Benzoic acid, 2-hydroxy-, hydrazide | 152    | C7H8N2O2         | 000936-02-7 | 11   |
| 4         | Benzeneacetic acid, 4-methoxy-, ... | 180    | C10H12O3         | 023786-14-3 | 11   |
| 5         | Phenol, 4-(1-methylethyl)-, acetate | 178    | C11H14O2         | 002664-32-6 | 11   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030917\  
Data File : BF093510.D  
Acq On : 10 Mar 2017 8:11  
Operator : SJ/MA  
Sample : I2132-03  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-06

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

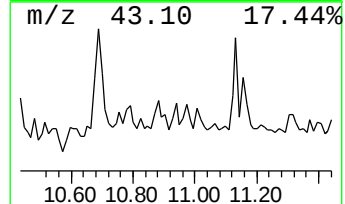
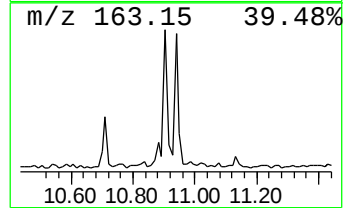
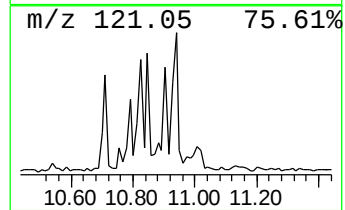
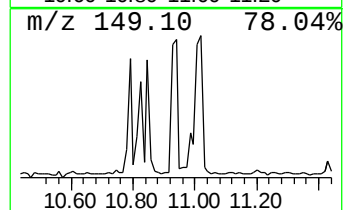
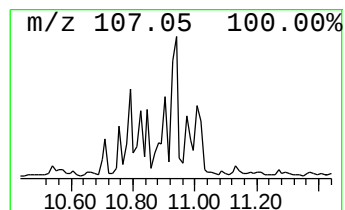
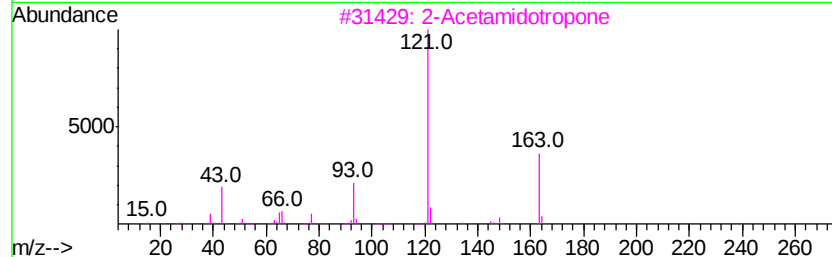
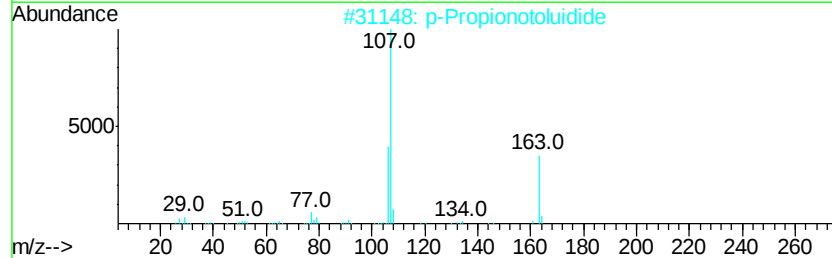
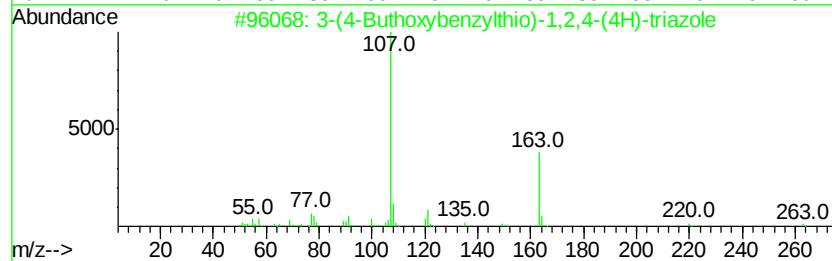
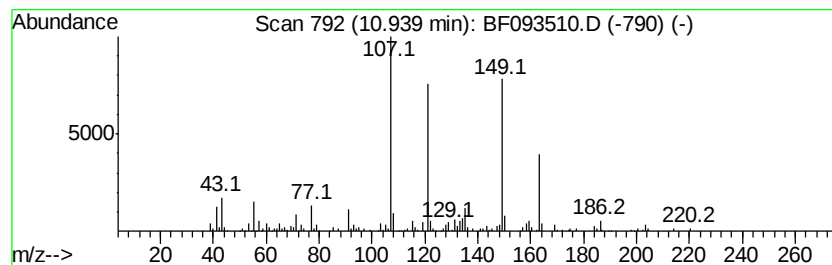
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown10.94 Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.94 | 2.96 ng | 227824 | Phenanthrene-d10 | 11.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 3-(4-Butoxybenzylthio)-1,2,4-(4...  | 263 | C13H17N3OS | 057736-49-9 | 35   |
| 2    |    | p-Propionotoluidide                 | 163 | C10H13NO   | 002759-55-9 | 27   |
| 3    |    | 2-Acetamidotropone                  | 163 | C9H9NO2    | 006422-12-4 | 22   |
| 4    |    | Acetamide, N-(2,5-dimethylphenyl)-  | 163 | C10H13NO   | 002050-44-4 | 22   |
| 5    |    | 1-(4-Hydroxyphenyl)-2-(3-hydroxy... | 214 | C14H14O2   | 037116-80-6 | 14   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\  
Data File : BF093510.D  
Acq On : 10 Mar 2017 8:11  
Operator : SJ/MA  
Sample : I2132-03  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-06

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

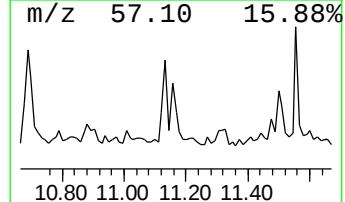
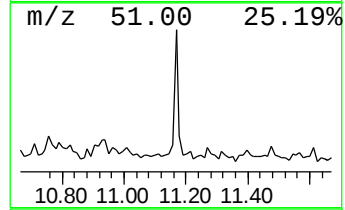
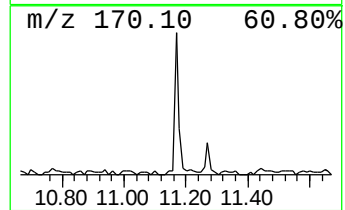
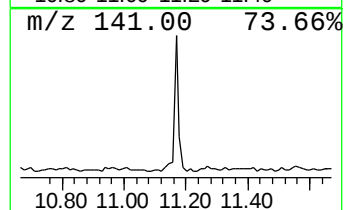
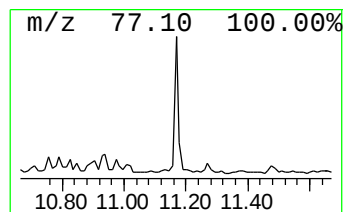
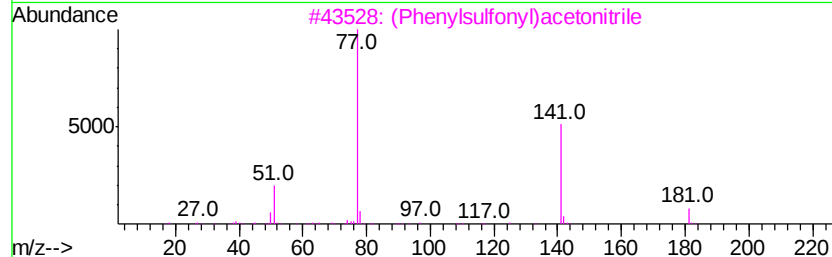
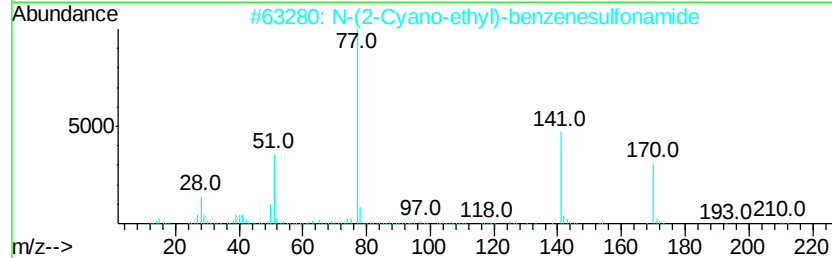
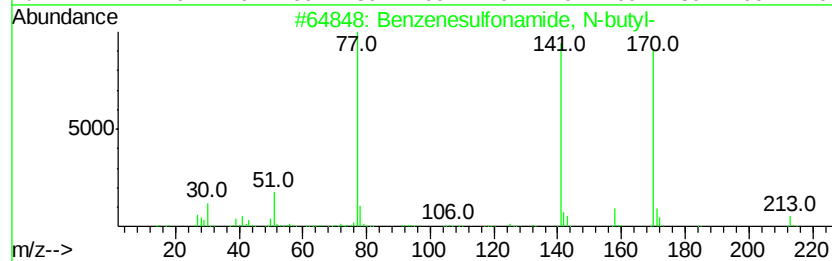
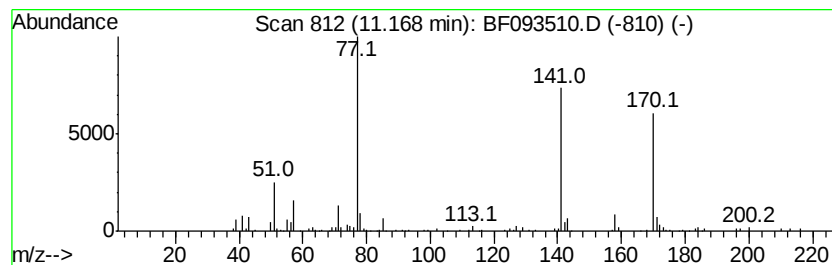
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzenesulfonamide, N-butyl- Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.17 | 2.60 ng | 200450 | Phenanthrene-d10 | 11.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Benzenesulfonamide, N-butyl-        | 213 | C10H15NO2S  | 003622-84-2 | 93   |
| 2    |    | N-(2-Cyano-ethyl)-benzenesulfona... | 210 | C9H10N2O2S  | 002619-21-8 | 59   |
| 3    |    | (Phenylsulfonyl)acetonitrile        | 181 | C8H7NO2S    | 007605-28-9 | 59   |
| 4    |    | N,N-Dichlorobenzenesulfonamide      | 225 | C6H5Cl2NO2S | 000473-29-0 | 45   |
| 5    |    | 3-Methyl-thiophene-2-carboxamide    | 141 | C6H7NOS     | 076655-99-7 | 38   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\  
Data File : BF093510.D  
Acq On : 10 Mar 2017 8:11  
Operator : SJ/MA  
Sample : I2132-03  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-06

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

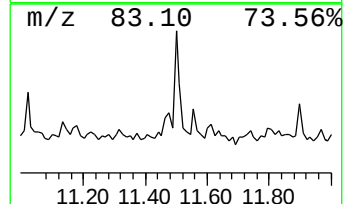
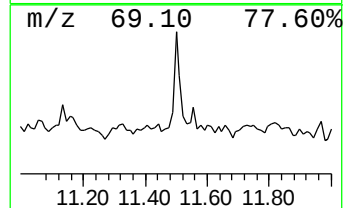
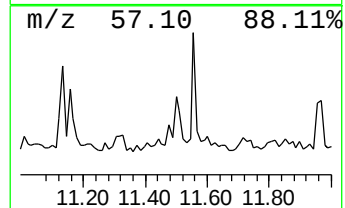
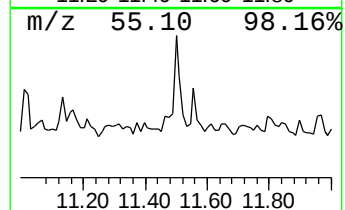
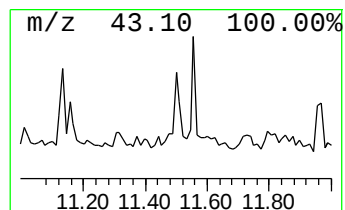
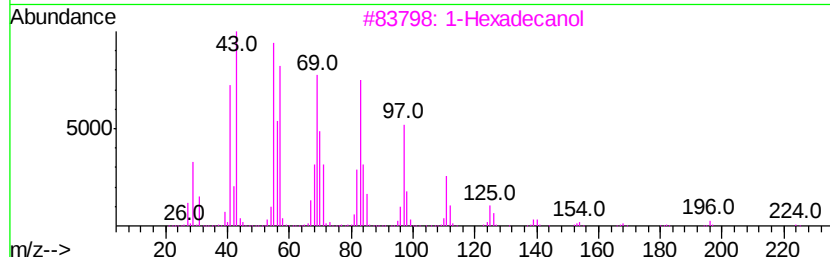
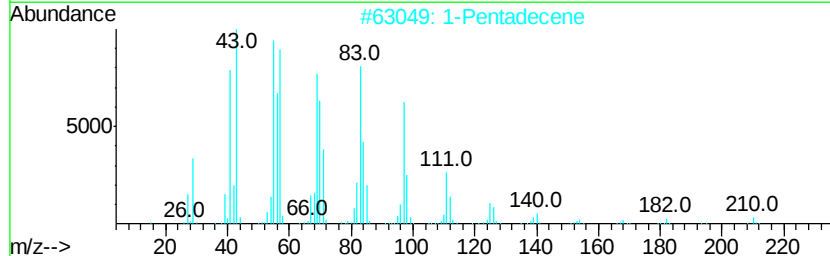
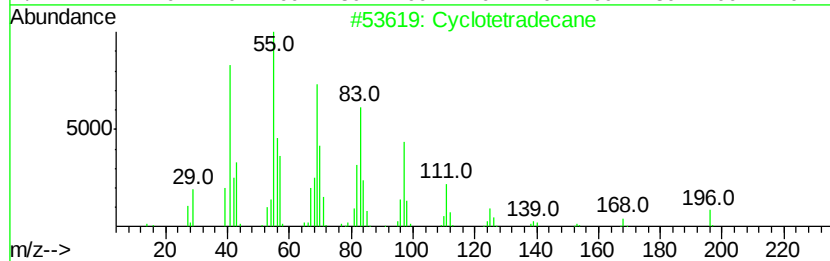
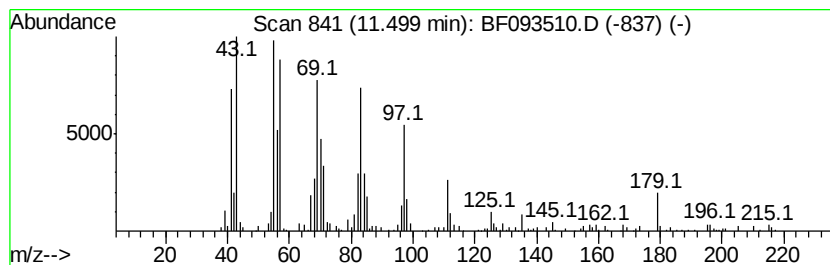
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Cyclotetradecane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.50 | 4.06 ng | 312381 | Phenanthrene-d10 | 11.27 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|---------|---|-------------------------------------|-----|-------------|-------------|------|
| 1       |   | Cyclotetradecane                    | 196 | C14H28      | 000295-17-0 | 98   |
| 2       |   | 1-Pentadecene                       | 210 | C15H30      | 013360-61-7 | 96   |
| 3       |   | 1-Hexadecanol                       | 242 | C16H34O     | 036653-82-4 | 95   |
| 4       |   | 1-Pentadecanol                      | 228 | C15H32O     | 000629-76-5 | 94   |
| 5       |   | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 91   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\  
Data File : BF093510.D  
Acq On : 10 Mar 2017 8:11  
Operator : SJ/MA  
Sample : I2132-03  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-06

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

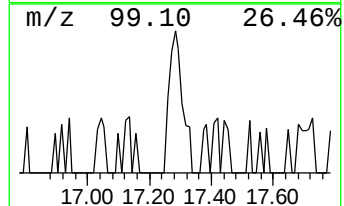
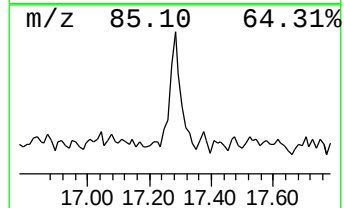
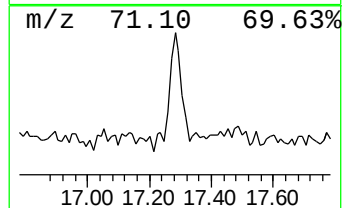
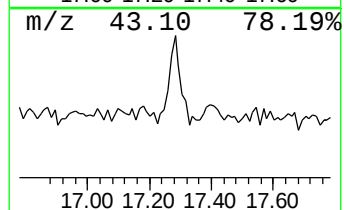
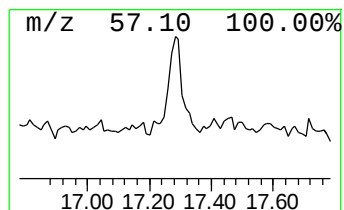
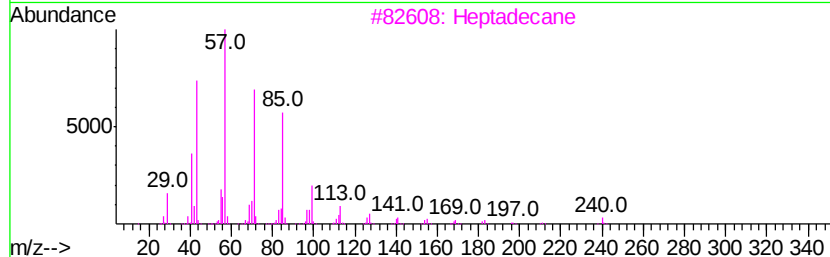
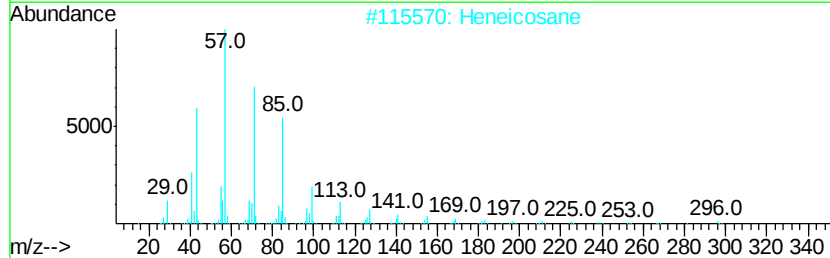
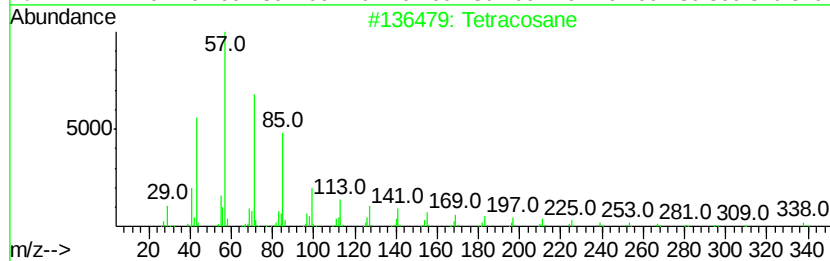
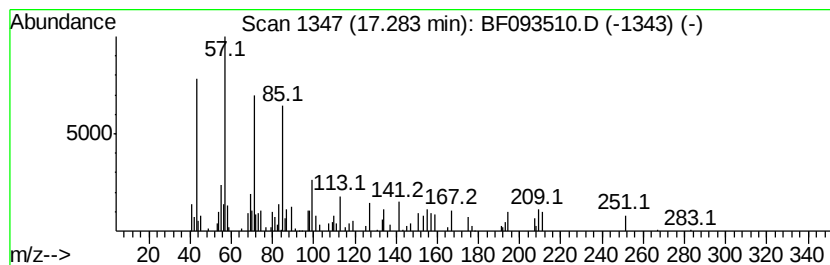
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Tetracosane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.28 | 2.04 ng | 102670 | Perylene-d12     | 15.32 |

| Hit# | of | 5 | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------|-----|---------|-------------|------|
| 1    |    |   | Tetracosane     | 338 | C24H50  | 000646-31-1 | 53   |
| 2    |    |   | Heneicosane     | 296 | C21H44  | 000629-94-7 | 52   |
| 3    |    |   | Heptadecane     | 240 | C17H36  | 000629-78-7 | 47   |
| 4    |    |   | Octadecane      | 254 | C18H38  | 000593-45-3 | 47   |
| 5    |    |   | Decane, 1-iodo- | 268 | C10H21I | 002050-77-3 | 47   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030917\  
Data File : BF093510.D  
Acq On : 10 Mar 2017 8:11  
Operator : SJ/MA  
Sample : I2132-03  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-06

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030717.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... | 4.90  | 9.3     | ng    | 529805   | 1                     | 6.76  | 1142830 | 20.0 |
| unknown6.53          | 6.53  | 75.5    | ng    | 4315750  | 1                     | 6.76  | 1142830 | 20.0 |
| Dodecanoic acid      | 10.02 | 19.9    | ng    | 1583040  | 3                     | 9.78  | 1589770 | 20.0 |
| Tridecane            | 10.69 | 3.1     | ng    | 237914   | 4                     | 11.27 | 1539790 | 20.0 |
| Phenol, 4-(1,1,3,... | 10.76 | 3.0     | ng    | 233307   | 4                     | 11.27 | 1539790 | 20.0 |
| unknown10.79         | 10.79 | 2.1     | ng    | 161278   | 4                     | 11.27 | 1539790 | 20.0 |
| unknown10.90         | 10.90 | 3.2     | ng    | 245565   | 4                     | 11.27 | 1539790 | 20.0 |
| unknown10.94         | 10.94 | 3.0     | ng    | 227824   | 4                     | 11.27 | 1539790 | 20.0 |
| Benzenesulfonamid... | 11.17 | 2.6     | ng    | 200450   | 4                     | 11.27 | 1539790 | 20.0 |
| Cyclotetradecane     | 11.50 | 4.1     | ng    | 312381   | 4                     | 11.27 | 1539790 | 20.0 |
| Tetracosane          | 17.28 | 2.0     | ng    | 102670   | 6                     | 15.32 | 1008040 | 20.0 |