

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\  
 Data File : BF100693.D  
 Acq On : 18 Nov 2017 00:11  
 Operator : SJ/JU  
 Sample : I6419-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LEW-1-E(7-8)

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-BF110817.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         | 2.193       | 15            | 18          | 22           | rVB3     | 17820          | 24480         | 1.02%           | 0.113%        |
| 2         | 5.110       | 510           | 514         | 528          | rVB      | 310077         | 382581        | 16.00%          | 1.764%        |
| 3         | 5.504       | 576           | 581         | 584          | rBV      | 2004758        | 1966646       | 82.25%          | 9.066%        |
| 4         | 6.510       | 746           | 752         | 756          | rBV      | 1843760        | 2081353       | 87.05%          | 9.595%        |
| 5         | 6.651       | 771           | 776         | 779          | rBV      | 2227886        | 2055083       | 85.95%          | 9.474%        |
| 6         | 6.881       | 811           | 815         | 819          | rBB      | 738940         | 571350        | 23.90%          | 2.634%        |
| 7         | 7.039       | 837           | 842         | 845          | rBV      | 1849008        | 1615191       | 67.55%          | 7.446%        |
| 8         | 7.445       | 905           | 911         | 914          | rBV      | 1339431        | 1311599       | 54.86%          | 6.046%        |
| 9         | 8.163       | 1029          | 1033        | 1036         | rBV      | 943872         | 770280        | 32.22%          | 3.551%        |
| 10        | 8.716       | 1123          | 1127        | 1130         | rBV      | 125042         | 105472        | 4.41%           | 0.486%        |
| 11        | 9.239       | 1210          | 1216        | 1219         | rBV      | 2572103        | 2390987       | 100.00%         | 11.022%       |
| 12        | 9.628       | 1278          | 1282        | 1285         | rBV      | 120068         | 94977         | 3.97%           | 0.438%        |
| 13        | 9.916       | 1327          | 1331        | 1335         | rBV2     | 965374         | 865274        | 36.19%          | 3.989%        |
| 14        | 9.998       | 1340          | 1345        | 1349         | rBV3     | 17732          | 27792         | 1.16%           | 0.128%        |
| 15        | 10.627      | 1448          | 1452        | 1456         | rVB      | 759419         | 630589        | 26.37%          | 2.907%        |
| 16        | 10.704      | 1461          | 1465        | 1469         | rBV      | 1391565        | 1373433       | 57.44%          | 6.331%        |
| 17        | 10.963      | 1505          | 1509        | 1512         | rBV      | 64696          | 56777         | 2.37%           | 0.262%        |
| 18        | 11.010      | 1512          | 1517        | 1520         | rBV      | 261179         | 266164        | 11.13%          | 1.227%        |
| 19        | 11.045      | 1520          | 1523        | 1524         | rBV      | 45406          | 54223         | 2.27%           | 0.250%        |
| 20        | 11.057      | 1524          | 1525        | 1527         | rVB      | 52550          | 25765         | 1.08%           | 0.119%        |
| 21        | 11.304      | 1564          | 1567        | 1570         | rVB      | 62338          | 46299         | 1.94%           | 0.213%        |
| 22        | 11.404      | 1580          | 1584        | 1586         | rBV      | 975552         | 827286        | 34.60%          | 3.814%        |
| 23        | 11.427      | 1586          | 1588        | 1590         | rVB      | 88359          | 67688         | 2.83%           | 0.312%        |
| 24        | 12.010      | 1684          | 1687        | 1690         | rBV2     | 23712          | 27291         | 1.14%           | 0.126%        |
| 25        | 12.204      | 1717          | 1720        | 1725         | rBV4     | 15157          | 26087         | 1.09%           | 0.120%        |
| 26        | 12.433      | 1756          | 1759        | 1765         | rBV2     | 115728         | 129095        | 5.40%           | 0.595%        |
| 27        | 12.610      | 1786          | 1789        | 1793         | rBV      | 126865         | 118788        | 4.97%           | 0.548%        |
| 28        | 12.845      | 1823          | 1829        | 1833         | rBV      | 129442         | 161969        | 6.77%           | 0.747%        |
| 29        | 12.986      | 1846          | 1853        | 1856         | rBV      | 2071369        | 1896455       | 79.32%          | 8.742%        |
| 30        | 13.421      | 1925          | 1927        | 1930         | rVB      | 46118          | 39722         | 1.66%           | 0.183%        |
| 31        | 13.668      | 1966          | 1969        | 1978         | rVB2     | 19294          | 28457         | 1.19%           | 0.131%        |
| 32        | 13.868      | 2000          | 2003        | 2010         | rVB3     | 57130          | 69463         | 2.91%           | 0.320%        |
| 33        | 14.010      | 2024          | 2027        | 2028         | rBV      | 75701          | 62774         | 2.63%           | 0.289%        |
| 34        | 14.039      | 2028          | 2032        | 2035         | rVV      | 751529         | 711617        | 29.76%          | 3.280%        |

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LEW-1-E(7-8)

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |     |        |        |        |        |
|----|--------|------|------|------|-----|--------|--------|--------|--------|
| 35 | 14.063 | 2035 | 2036 | 2041 | rVB | 60331  | 38277  | 1.60%  | 0.176% |
| 36 | 15.074 | 2204 | 2208 | 2216 | rBV | 36663  | 75681  | 3.17%  | 0.349% |
| 37 | 15.380 | 2256 | 2260 | 2266 | rBV | 22132  | 28248  | 1.18%  | 0.130% |
| 38 | 15.445 | 2267 | 2271 | 2275 | rVV | 29988  | 37497  | 1.57%  | 0.173% |
| 39 | 15.515 | 2277 | 2283 | 2293 | rBV | 480850 | 629719 | 26.34% | 2.903% |

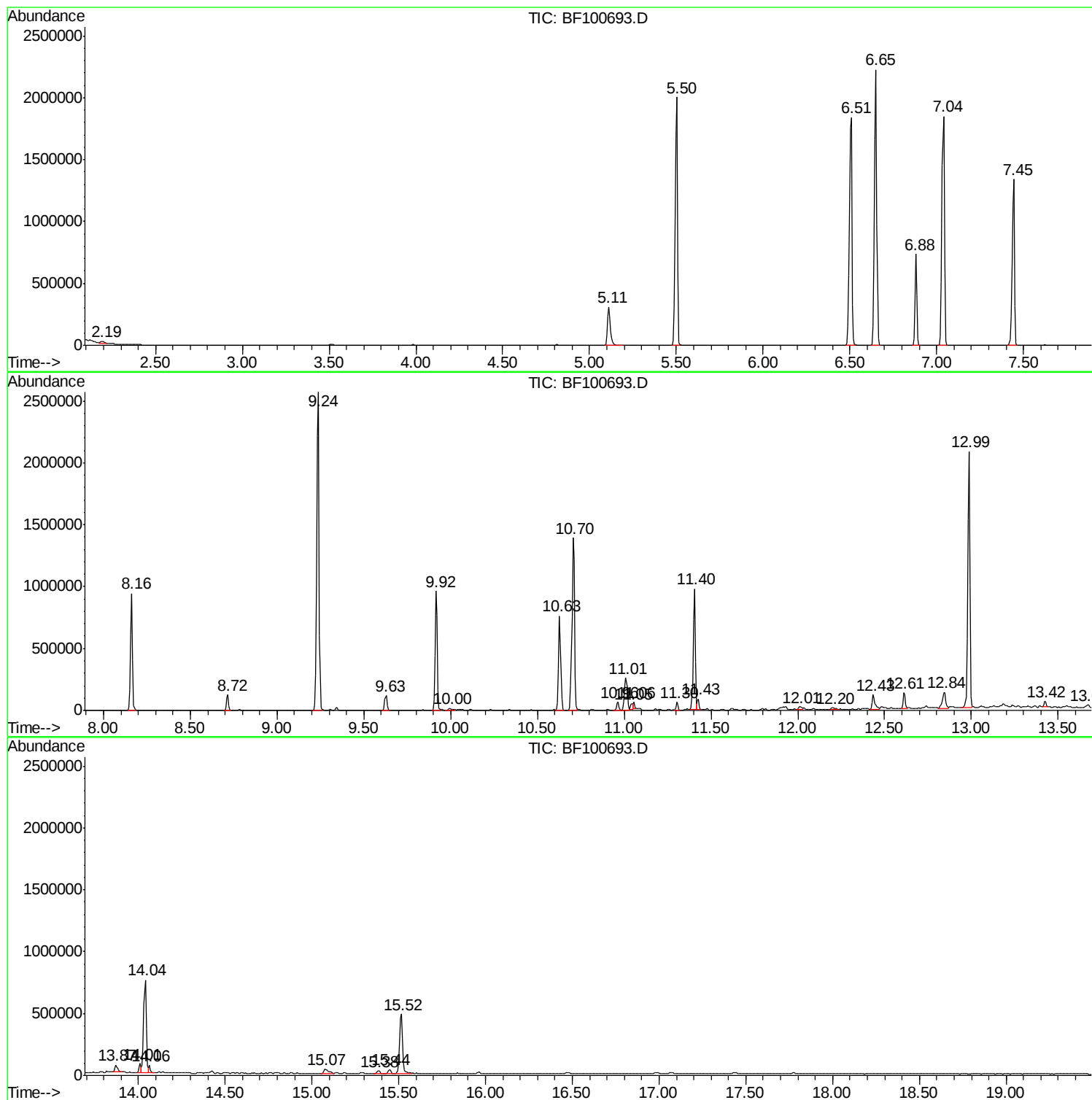
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

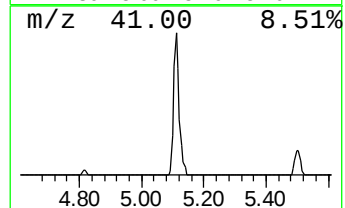
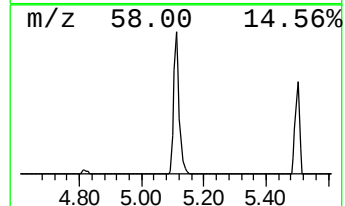
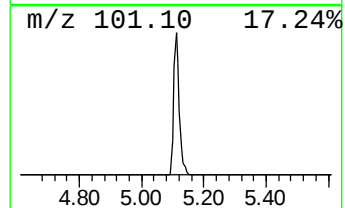
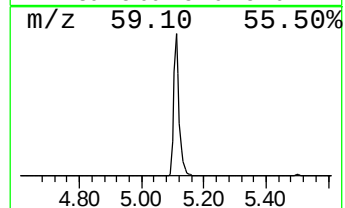
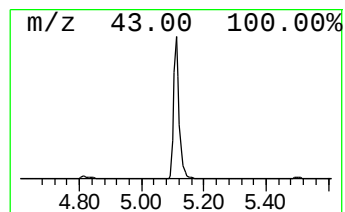
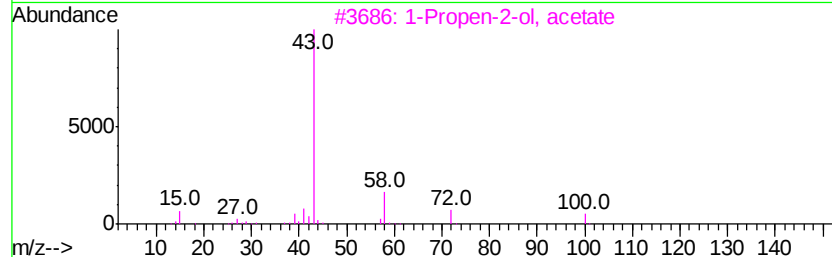
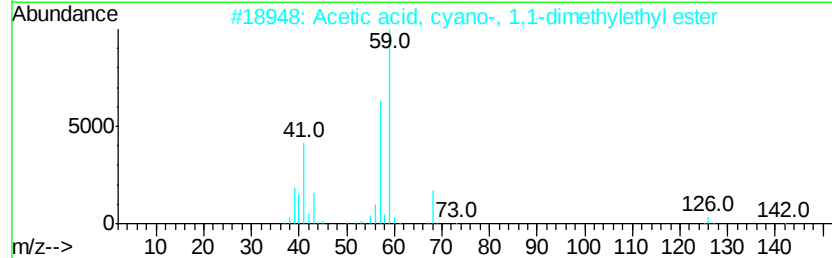
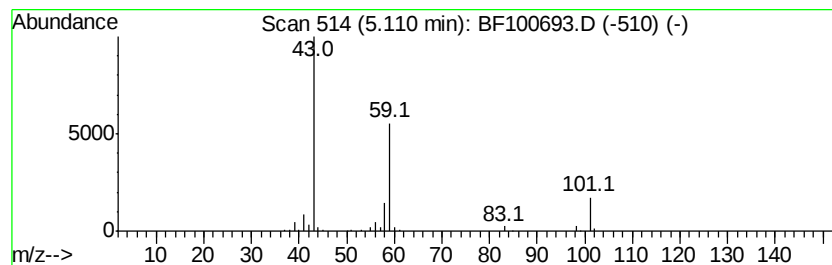
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 5.11 | 13.39 ng | 382581 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 3    |    | 1-Propen-2-ol, acetate               | 100 | C5H8O2   | 000108-22-5 | 10   |
| 4    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 5    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |



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Instrument :  
BNA\_F  
ClientSampleId :  
LEW-1-E(7-8)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

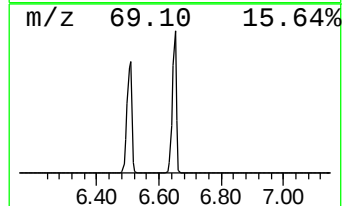
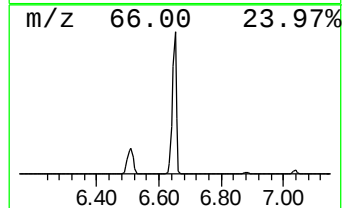
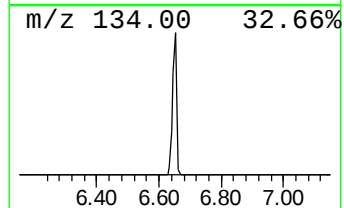
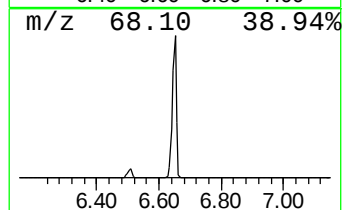
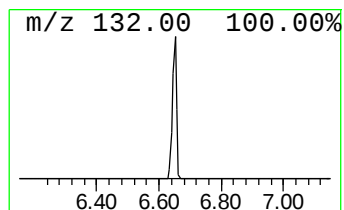
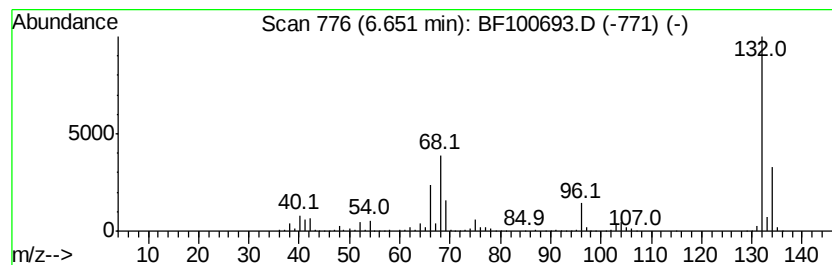
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.65 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.65 | 71.94 ng | 2055080 | 1,4-Dichlorobenzene-d4 | 6.88 |

| 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    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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BNA\_F  
ClientSampleId :  
LEW-1-E(7-8)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
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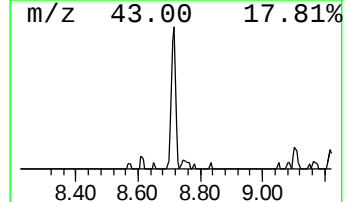
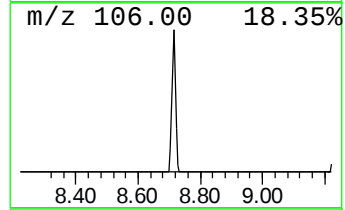
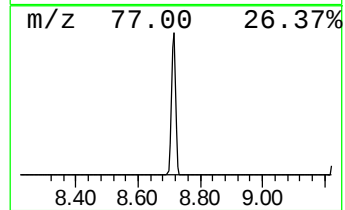
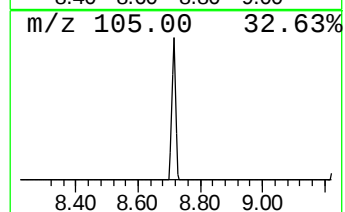
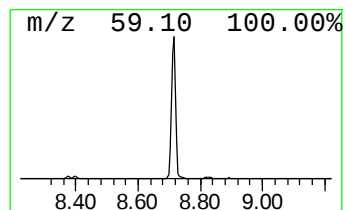
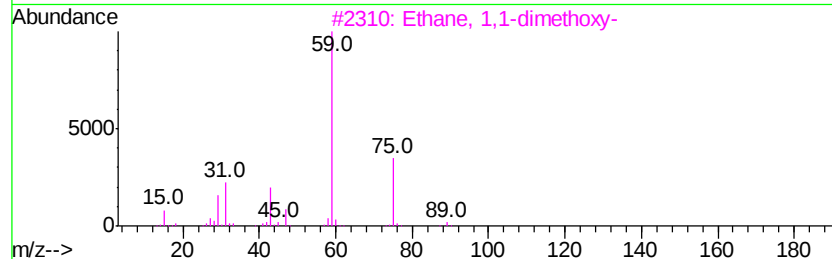
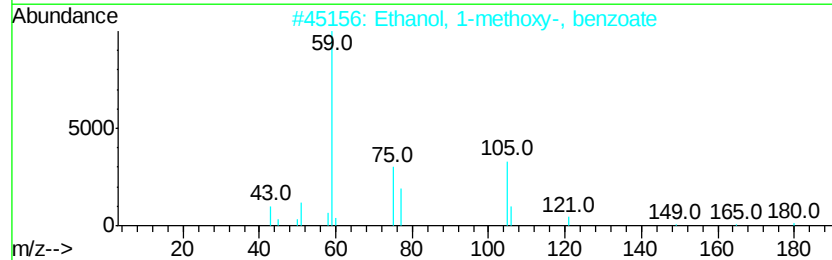
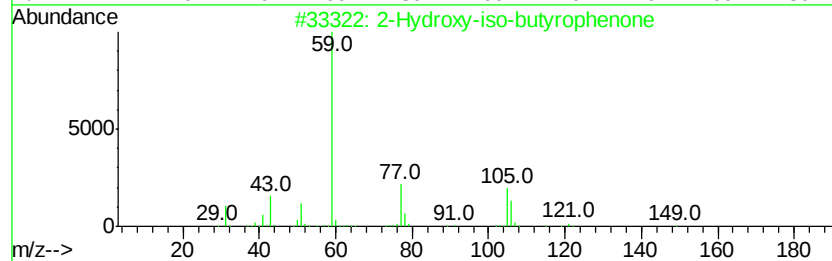
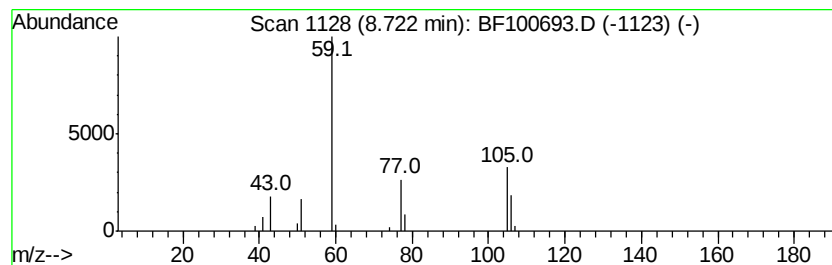
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 2-Hydroxy-iso-butyrophenone Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.72 | 2.74 ng | 105472 | Napthalene-d8    | 8.16 |

| Hit# | of | Tentative ID                  | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Hydroxy-iso-butyrophenone   | 164 | C10H12O2 | 007473-98-5 | 86   |
| 2    |    | Ethanol, 1-methoxy-, benzoate | 180 | C10H12O3 | 051835-44-0 | 50   |
| 3    |    | Ethane, 1,1-dimethoxy-        | 90  | C4H10O2  | 000534-15-6 | 9    |
| 4    |    | Propane, 2-methoxy-           | 74  | C4H10O   | 000598-53-8 | 9    |
| 5    |    | Guanidine                     | 59  | CH5N3    | 000113-00-8 | 7    |



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ALS Vial : 15 Sample Multiplier: 1

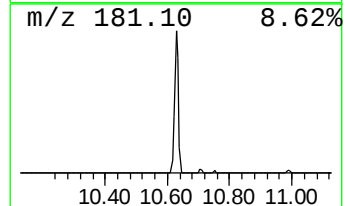
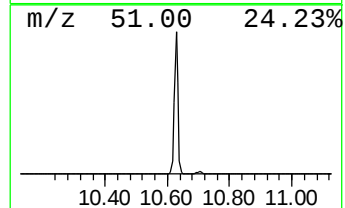
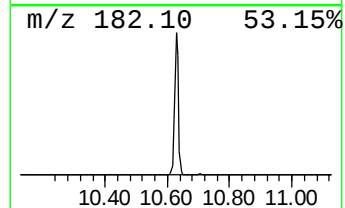
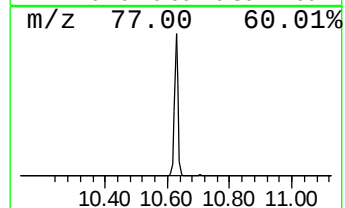
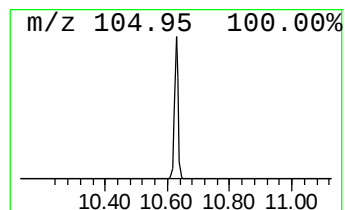
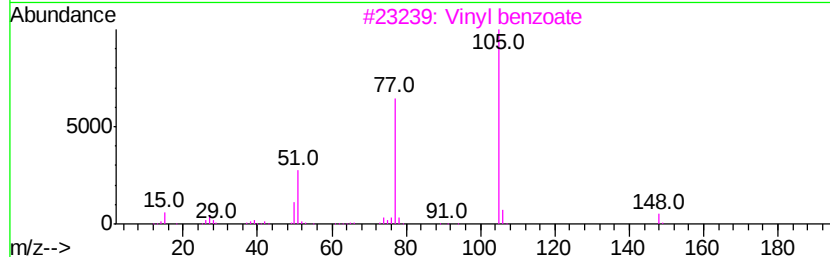
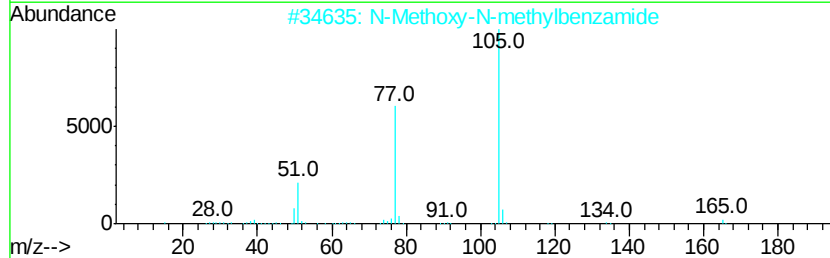
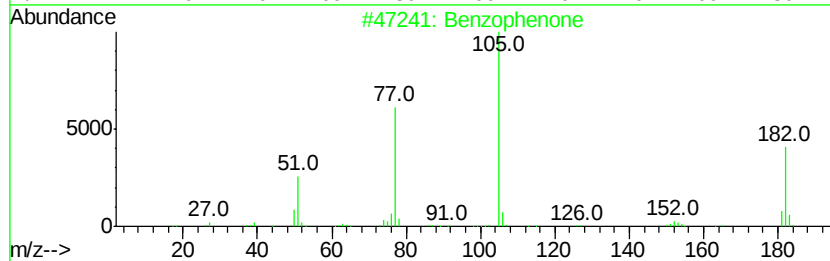
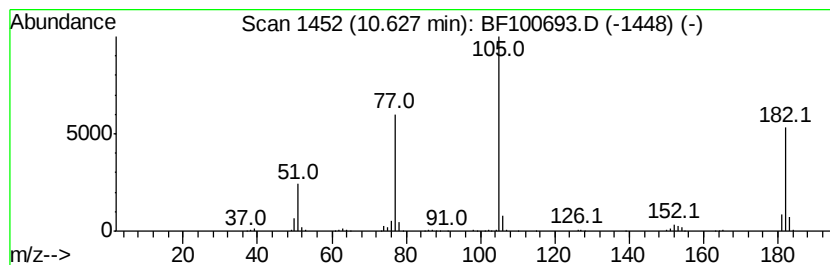
Instrument :  
BNA\_F  
ClientSampleId :  
LEW-1-E(7-8)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzophenone Concentration Rank 3

| R.T.    | EstConc  | Area                               | Relative to ISTD | R.T.           |
|---------|----------|------------------------------------|------------------|----------------|
| 10.63   | 14.58 ng | 630589                             | Acenaphthene-d10 | 9.92           |
| Hit# of | 5        | Tentative ID                       | MW MolForm       | CAS# Qual      |
| 1       |          | Benzophenone                       | 182 C13H10O      | 000119-61-9 97 |
| 2       |          | N-Methoxy-N-methylbenzamide        | 165 C9H11NO2     | 006919-61-5 47 |
| 3       |          | Vinyl benzoate                     | 148 C9H8O2       | 000769-78-8 47 |
| 4       |          | Benzenepropanenitrile, .beta.-oxo- | 145 C9H7NO       | 000614-16-4 47 |
| 5       |          | 1-Propanone, 3-chloro-1-phenyl-    | 168 C9H9ClO      | 000936-59-4 47 |



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LEW-1-E(7-8)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
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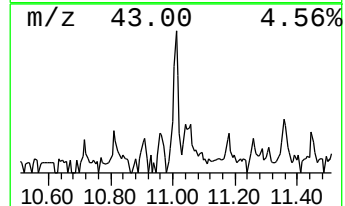
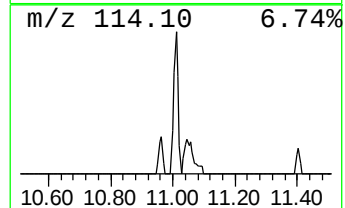
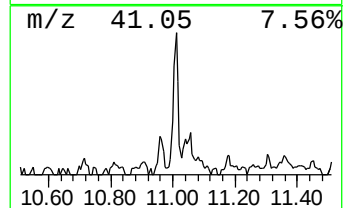
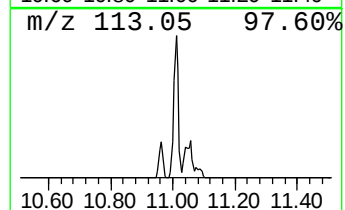
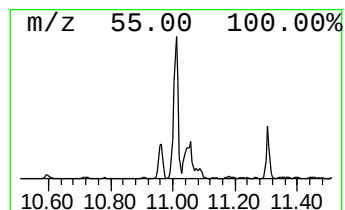
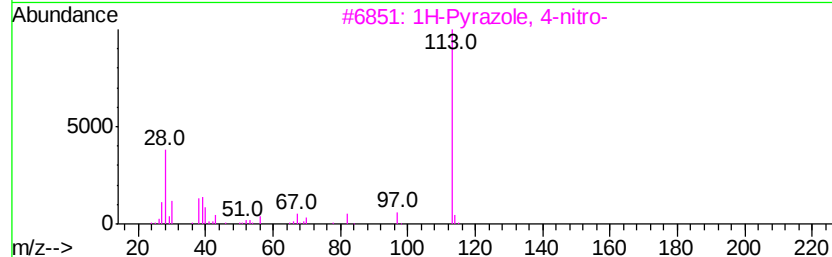
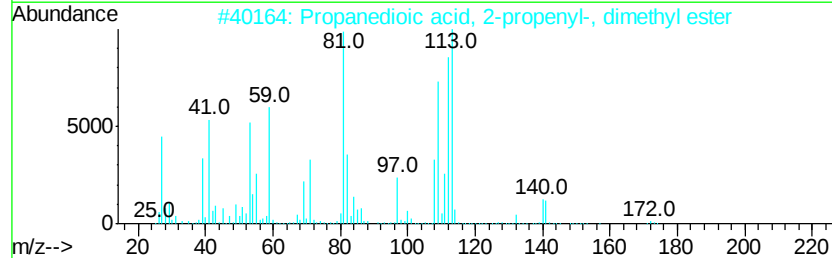
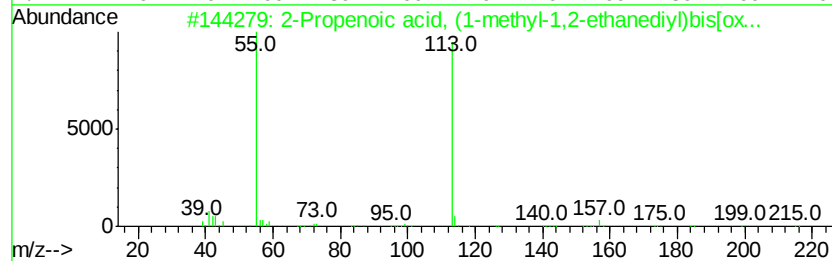
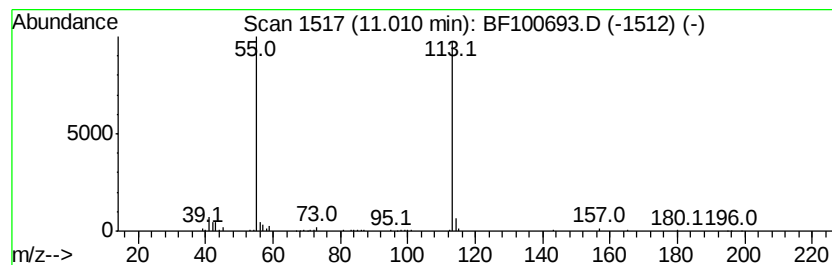
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 2-Propenoic acid, (1-methyl... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.01 | 6.43 ng | 266164 | Phenanthrene-d10 | 11.40 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 2-Propenoic acid, (1-methyl-1,2-... | 300 | C15H24O6 | 042978-66-5  | 78   |
| 2    |    | Propanedioic acid, 2-propenyl-, ... | 172 | C8H12O4  | 040637-56-7  | 9    |
| 3    |    | 1H-Pyrazole, 4-nitro-               | 113 | C3H3N3O2 | 002075-46-9  | 9    |
| 4    |    | Piperidine-2,5-dione                | 113 | C5H7N02  | 052065-78-8  | 9    |
| 5    |    | Pyrrolidine, 1-(3-methyl-1-oxohe... | 337 | C22H43NO | 1000036-69-5 | 9    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\  
Data File : BF100693.D  
Acq On : 18 Nov 2017 00:11  
Operator : SJ/JU  
Sample : I6419-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

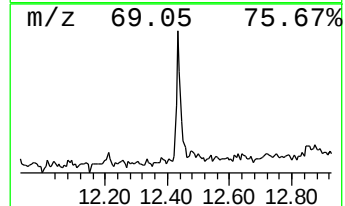
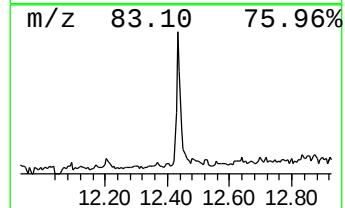
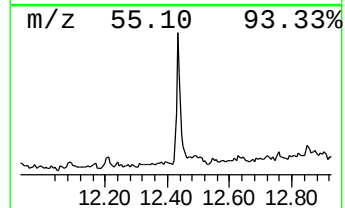
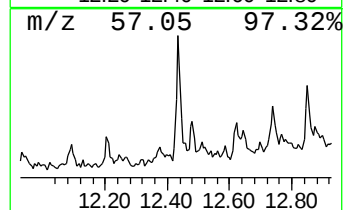
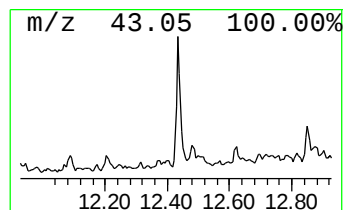
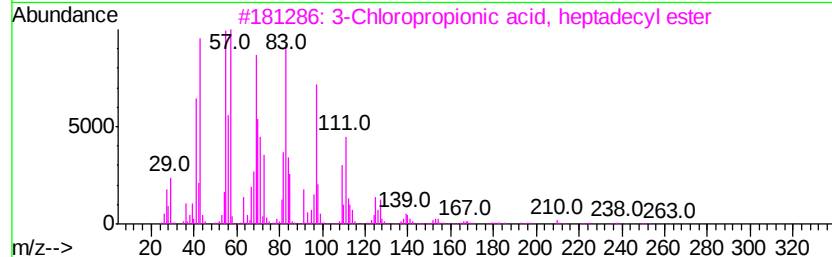
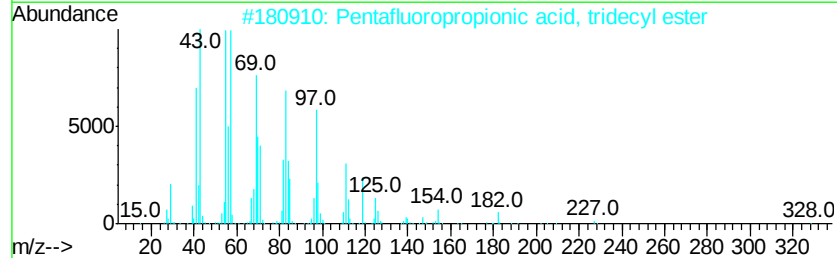
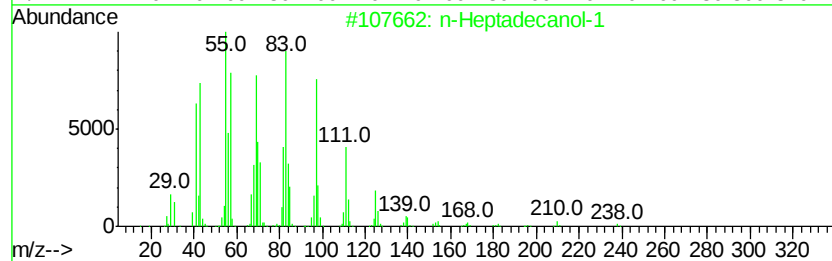
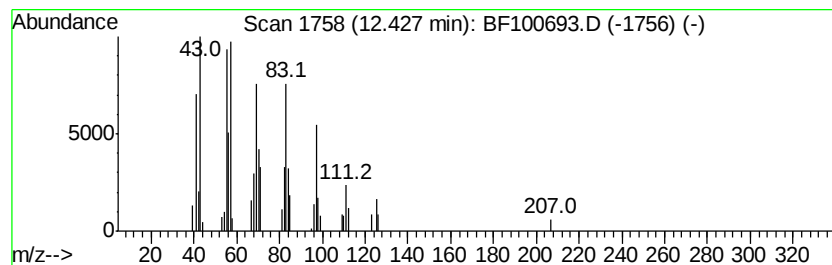
Instrument :  
BNA\_F  
ClientSampleId :  
LEW-1-E(7-8)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 n-Heptadecanol-1 Concentration Rank 6

| R.T.    | EstConc | Area                                      | Relative to ISTD |            | R.T.         |      |
|---------|---------|-------------------------------------------|------------------|------------|--------------|------|
| 12.43   | 3.12 ng | 129095                                    | Phenanthrene-d10 |            | 11.40        |      |
| Hit# of | 5       | Tentative ID                              | MW               | MolForm    | CAS#         | Qual |
| 1       |         | n-Heptadecanol-1                          | 256              | C17H36O    | 001454-85-9  | 95   |
| 2       |         | Pentafluoropropionic acid, tridecyl ester | 346              | C16H27F5O2 | 959261-22-4  | 94   |
| 3       |         | 3-Chloropropionic acid, heptadecyl ester  | 346              | C20H39ClO2 | 1000283-05-1 | 94   |
| 4       |         | Pentafluoropropionic acid, dodecyl ester  | 332              | C15H25F5O2 | 006222-04-4  | 94   |
| 5       |         | 1-Hexadecanol                             | 242              | C16H34O    | 036653-82-4  | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111717\  
Data File : BF100693.D  
Acq On : 18 Nov 2017 00:11  
Operator : SJ/JU  
Sample : I6419-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LEW-1-E(7-8)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.11  | 13.4    | ng    | 382581   | 1                     | 6.88  | 571350 | 20.0 |
| unknown6.65          | 6.65  | 71.9    | ng    | 2055080  | 1                     | 6.88  | 571350 | 20.0 |
| 2-Hydroxy-iso-but... | 8.72  | 2.7     | ng    | 105472   | 2                     | 8.16  | 770280 | 20.0 |
| Benzophenone         | 10.63 | 14.6    | ng    | 630589   | 3                     | 9.92  | 865274 | 20.0 |
| 2-Propenoic acid,... | 11.01 | 6.4     | ng    | 266164   | 4                     | 11.40 | 827286 | 20.0 |
| n-Heptadecanol-1     | 12.43 | 3.1     | ng    | 129095   | 4                     | 11.40 | 827286 | 20.0 |