

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121817\  
 Data File : BF101495.D  
 Acq On : 18 Dec 2017 21:51  
 Operator : SJ/JU  
 Sample : I6888-07  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-122-2(50-52)

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-BF121417.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         | 5.034       | 498           | 501         | 522          | rBV      | 436343         | 739081        | 18.60%          | 2.371%        |
| 2         | 5.434       | 565           | 569         | 599          | rBV      | 3125180        | 3786717       | 95.32%          | 12.150%       |
| 3         | 5.775       | 623           | 627         | 641          | rBV      | 29625          | 70695         | 1.78%           | 0.227%        |
| 4         | 6.457       | 738           | 743         | 760          | rBV      | 2992880        | 3972682       | 100.00%         | 12.746%       |
| 5         | 6.581       | 760           | 764         | 768          | rBV      | 3329638        | 3463630       | 87.19%          | 11.113%       |
| 6         | 6.810       | 799           | 803         | 811          | rBV      | 1007387        | 895527        | 22.54%          | 2.873%        |
| 7         | 6.963       | 825           | 829         | 845          | rBV      | 2823943        | 2855722       | 71.88%          | 9.163%        |
| 8         | 7.381       | 895           | 900         | 918          | rBV      | 2194238        | 2291650       | 57.69%          | 7.353%        |
| 9         | 8.092       | 1017          | 1021        | 1037         | rVB      | 1157301        | 1112686       | 28.01%          | 3.570%        |
| 10        | 8.651       | 1112          | 1116        | 1125         | rVB      | 101547         | 113990        | 2.87%           | 0.366%        |
| 11        | 9.169       | 1199          | 1204        | 1207         | rBV      | 3682850        | 3492597       | 87.92%          | 11.206%       |
| 12        | 9.563       | 1267          | 1271        | 1277         | rBV      | 272202         | 255479        | 6.43%           | 0.820%        |
| 13        | 9.845       | 1316          | 1319        | 1333         | rVB      | 1070083        | 1035155       | 26.06%          | 3.321%        |
| 14        | 10.563      | 1437          | 1441        | 1446         | rBV      | 243125         | 227576        | 5.73%           | 0.730%        |
| 15        | 10.645      | 1451          | 1455        | 1469         | rBV      | 1602248        | 1745444       | 43.94%          | 5.600%        |
| 16        | 11.339      | 1569          | 1573        | 1583         | rBV      | 916312         | 894784        | 22.52%          | 2.871%        |
| 17        | 12.922      | 1838          | 1842        | 1846         | rBV      | 2603213        | 2426071       | 61.07%          | 7.784%        |
| 18        | 13.804      | 1989          | 1992        | 2002         | rBV      | 161612         | 245706        | 6.18%           | 0.788%        |
| 19        | 13.986      | 2020          | 2023        | 2032         | rBV      | 767067         | 810291        | 20.40%          | 2.600%        |
| 20        | 14.721      | 2145          | 2148        | 2153         | rBV2     | 64088          | 74896         | 1.89%           | 0.240%        |
| 21        | 15.463      | 2270          | 2274        | 2283         | rVB      | 504719         | 656988        | 16.54%          | 2.108%        |

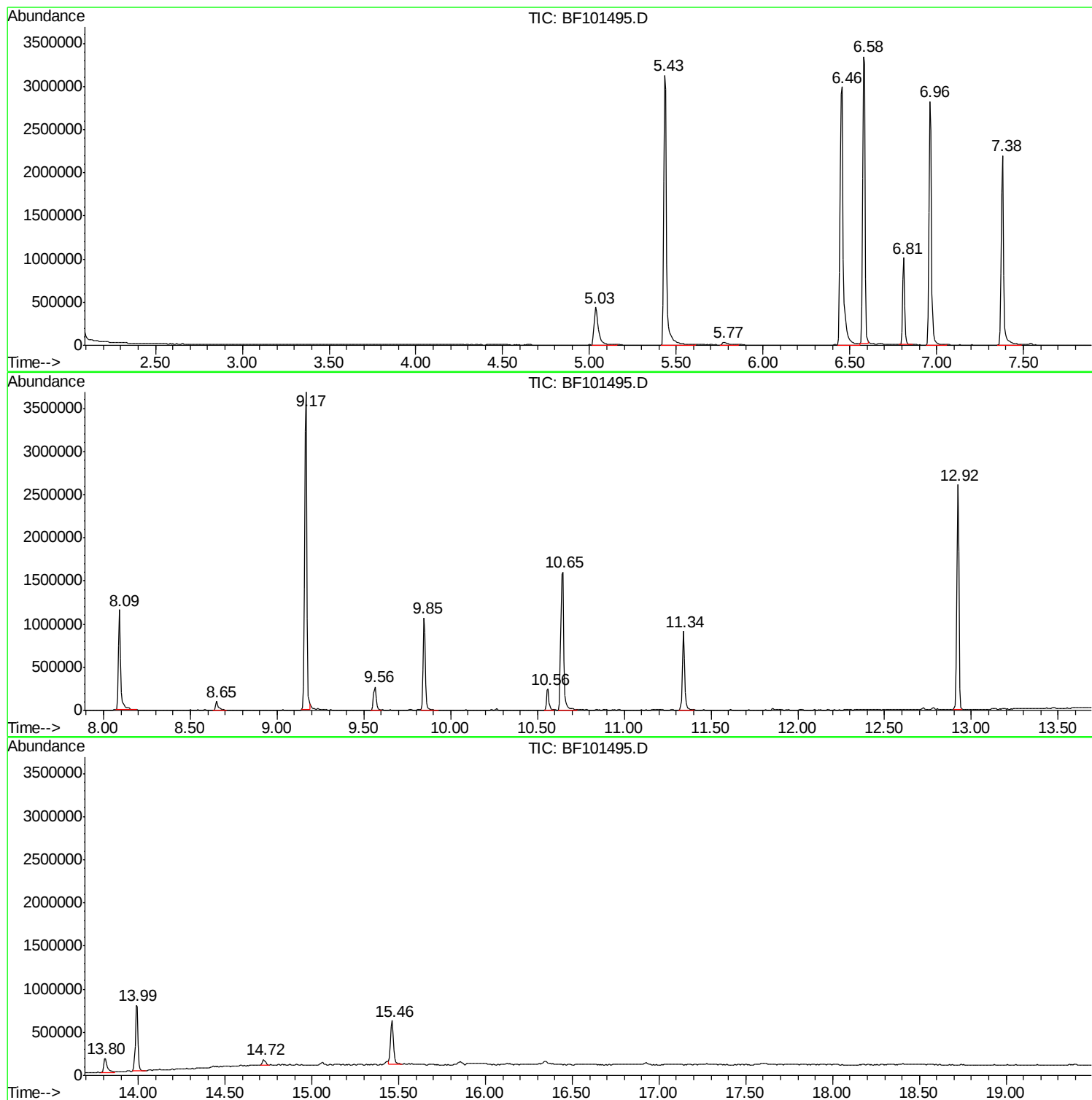
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Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-122-2(50-52)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.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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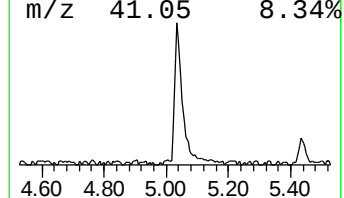
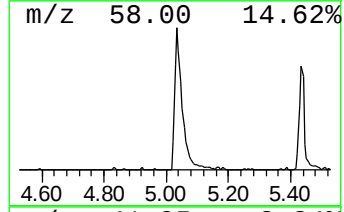
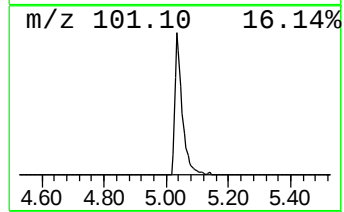
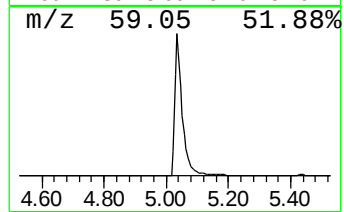
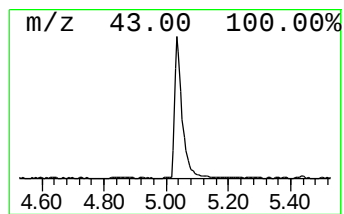
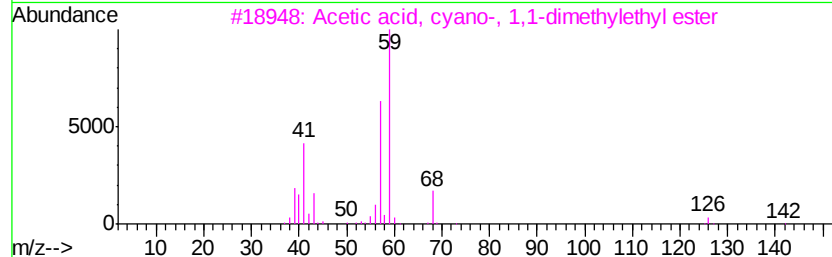
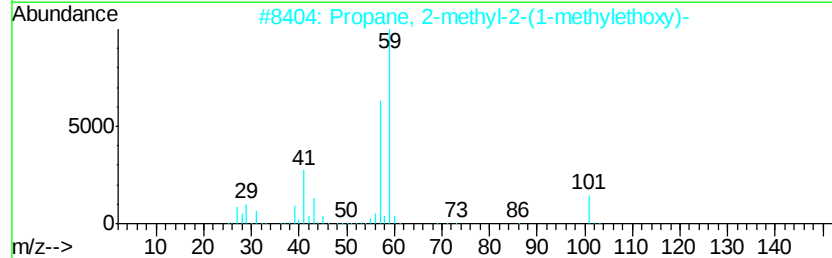
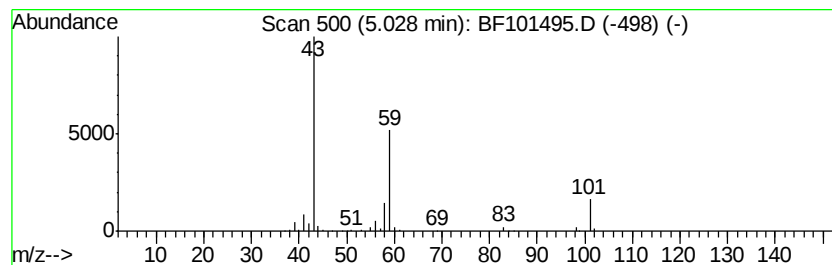
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|--------|------------------------|-------------|------|
| 5.03      | 16.51 ng                            | 739081 | 1,4-Dichlorobenzene-d4 | 6.81        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#        | Qual |
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-    | 116    | C6H12O2                | 000123-42-2 | 64   |
| 2         | Propane, 2-methyl-2-(1-methyleth... | 116    | C7H16O                 | 017348-59-3 | 33   |
| 3         | Acetic acid, cyano-, 1,1-dimethy... | 141    | C7H11NO2               | 001116-98-9 | 25   |
| 4         | 1-Propen-2-ol, acetate              | 100    | C5H8O2                 | 000108-22-5 | 10   |
| 5         | Morpholine, 4-methyl-               | 101    | C5H11NO                | 000109-02-4 | 9    |



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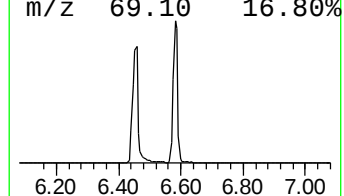
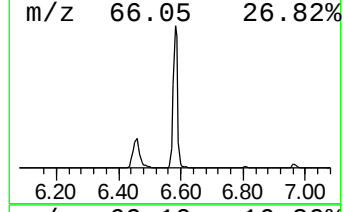
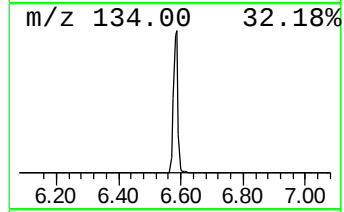
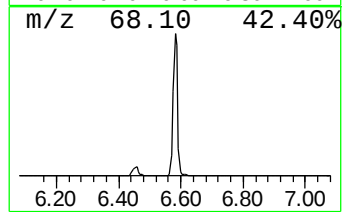
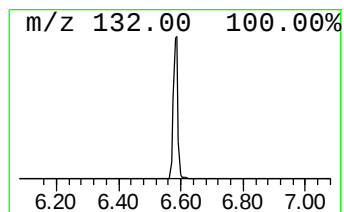
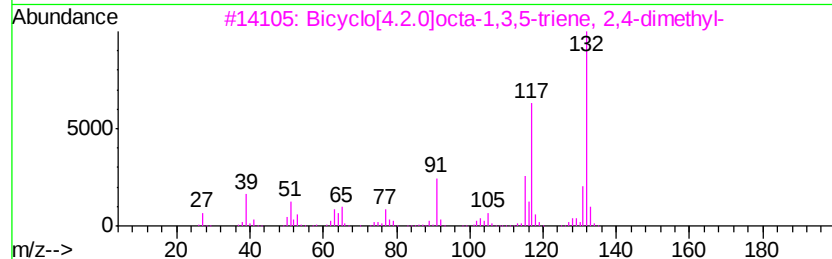
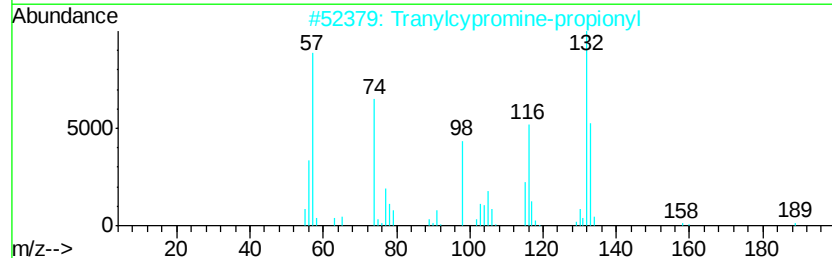
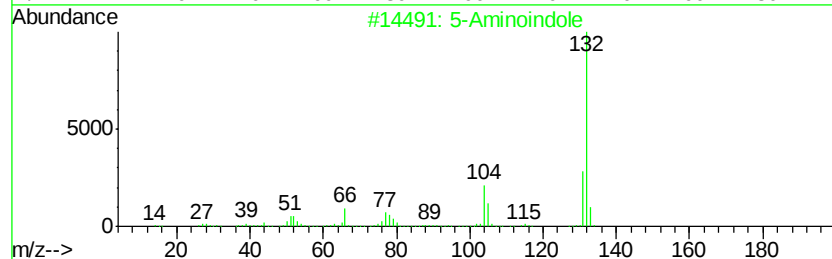
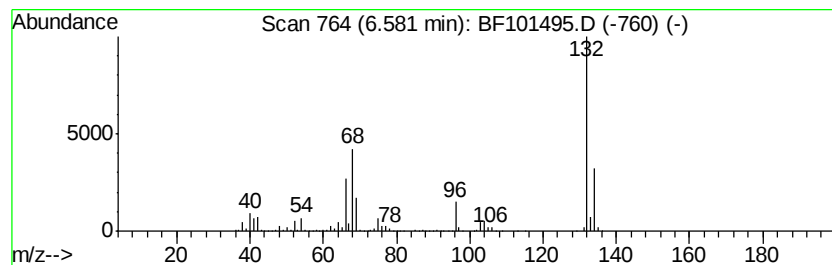
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.58 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.58 | 77.35 ng | 3463630 | 1,4-Dichlorobenzene-d4 | 6.81 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-59-9  | 9    |



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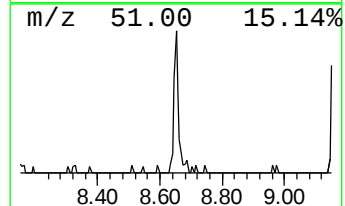
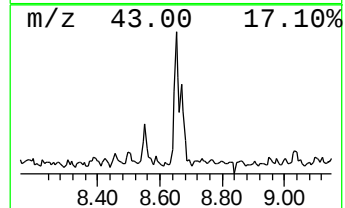
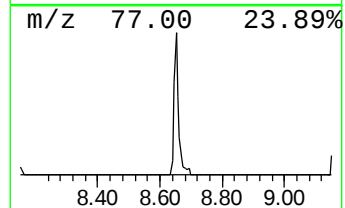
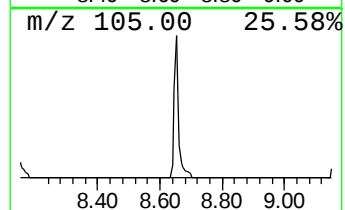
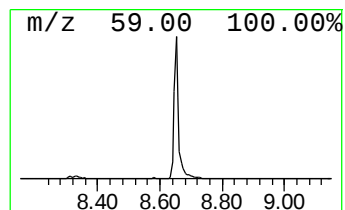
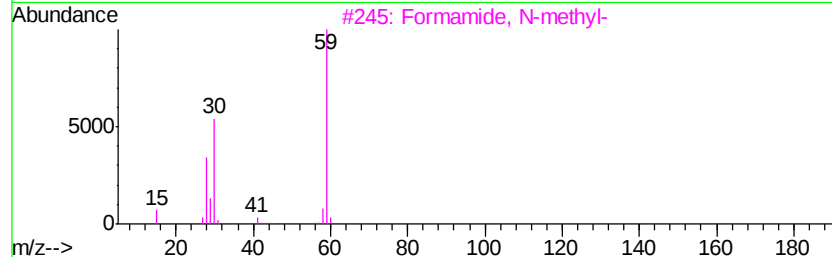
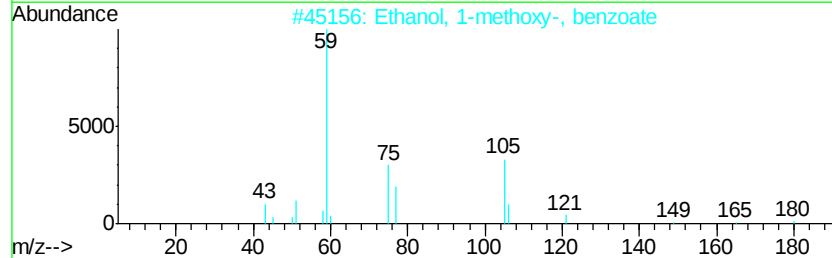
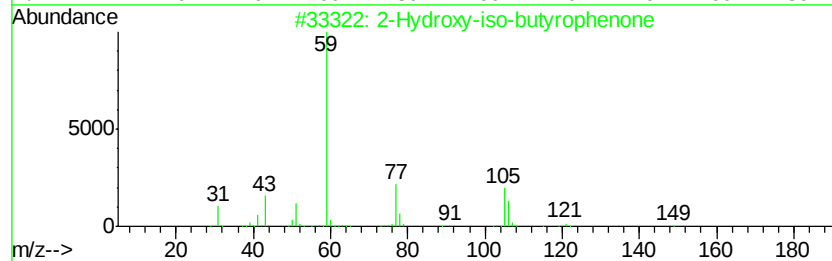
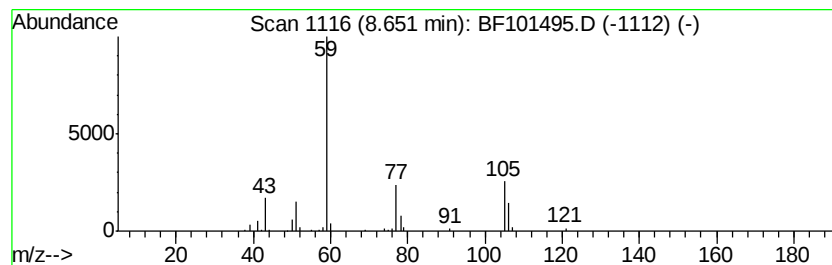
TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 4 2-Hydroxy-iso-butyrophenone Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.65 | 2.05 ng | 113990 | Napthalene-d8    | 8.09 |

| 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 | 72   |
| 3    |    | Formamide, N-methyl-          | 59  | C2H5NO   | 000123-39-7 | 7    |
| 4    |    | Guanidine                     | 59  | CH5N3    | 000113-00-8 | 7    |
| 5    |    | 2-Butanone, 1-chloro-         | 106 | C4H7ClO  | 000616-27-3 | 5    |



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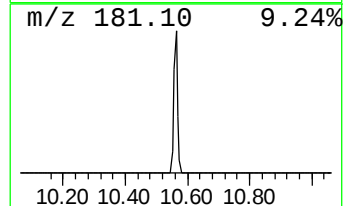
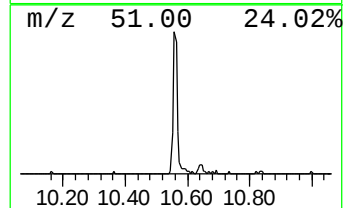
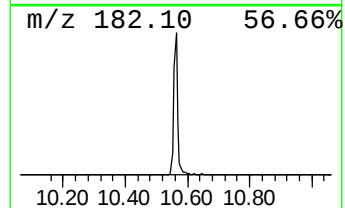
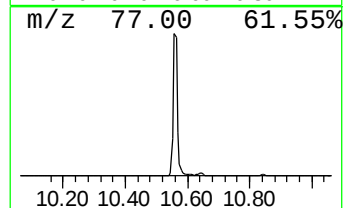
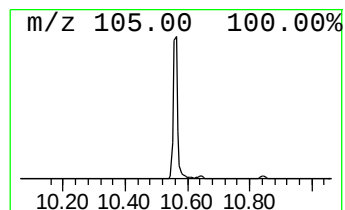
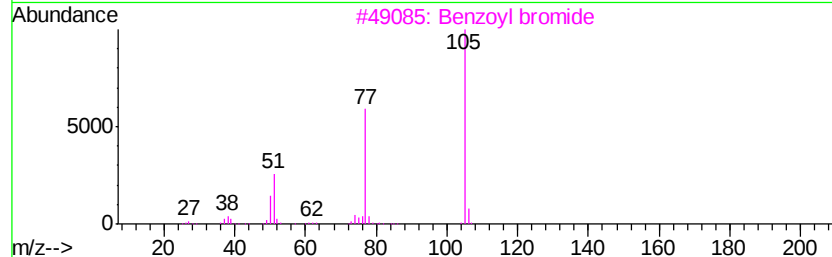
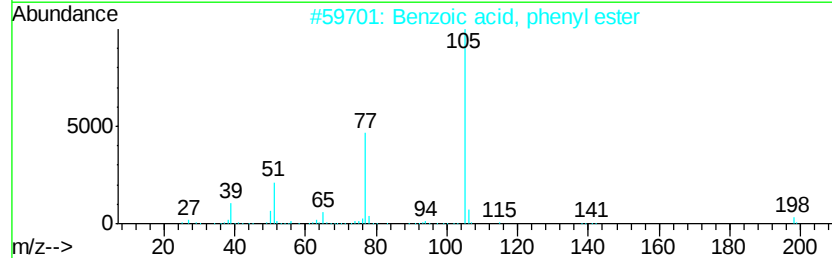
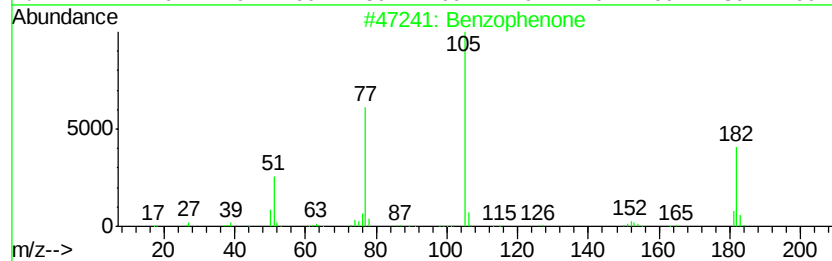
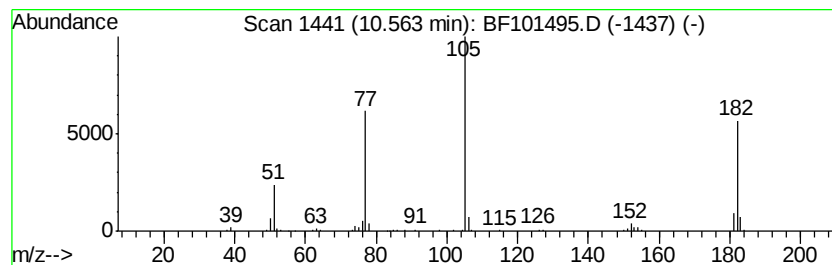
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Peak Number 5 Benzophenone Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.56 | 4.40 ng | 227576 | Acenaphthene-d10 | 9.85 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|---------|---|-------------------------------------|-----|----------|--------------|------|
| 1       |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9  | 97   |
| 2       |   | Benzoic acid, phenyl ester          | 198 | C13H10O2 | 000093-99-2  | 47   |
| 3       |   | Benzoyl bromide                     | 184 | C7H5BrO  | 000618-32-6  | 47   |
| 4       |   | 2-(2-Oxo-2-phenyl-ethyl)-malonon... | 184 | C11H8N2O | 1000296-76-9 | 47   |
| 5       |   | Benzoyl isothiocyanate              | 163 | C8H5NOS  | 000532-55-8  | 47   |



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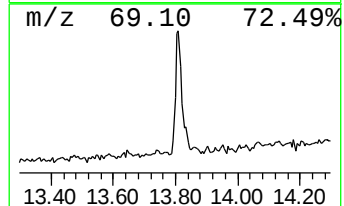
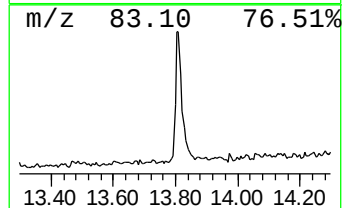
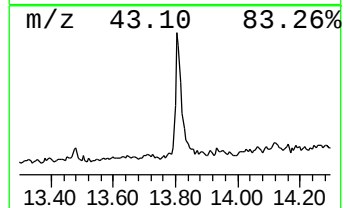
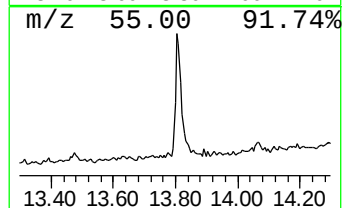
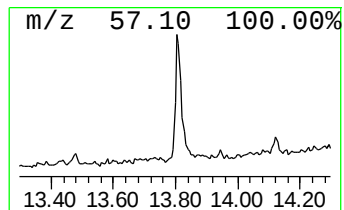
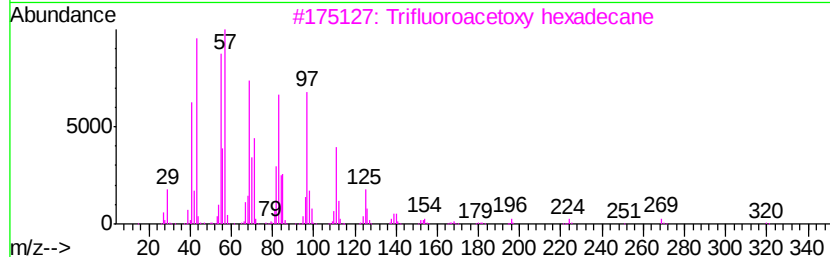
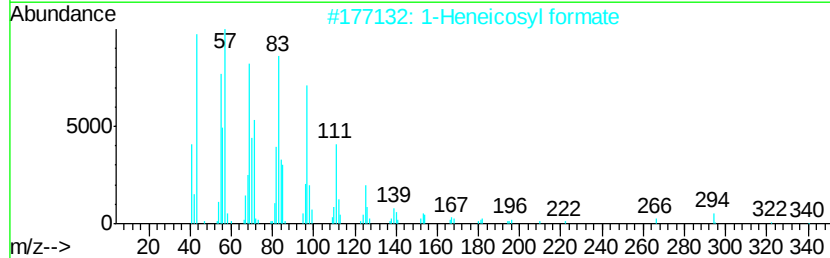
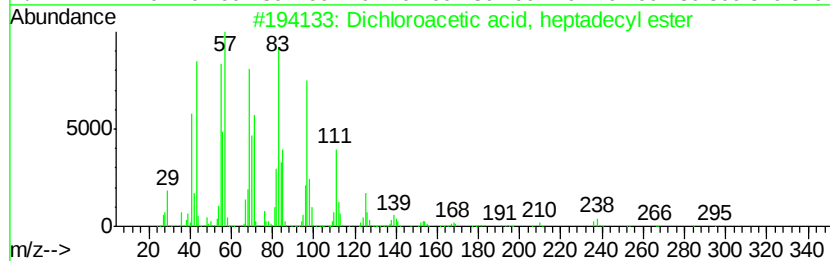
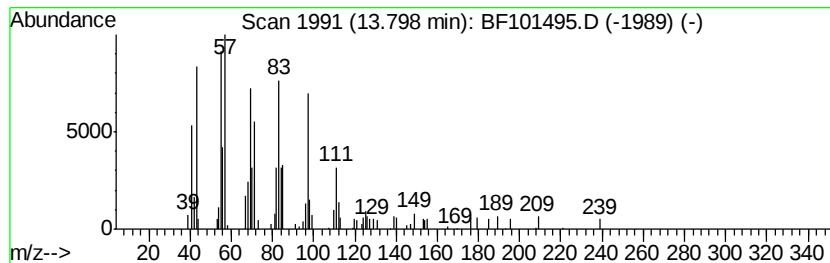
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Peak Number 6 Dichloroacetic acid, heptad... Concentration Rank 4

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 13.80     | 6.06 ng                             | 245706 | Chrysene-d12     | 13.99        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Dichloroacetic acid, heptadecyl ... | 366    | C19H36Cl2O2      | 1000282-98-2 | 95   |
| 2         | 1-Heneicosyl formate                | 340    | C22H44O2         | 077899-03-7  | 94   |
| 3         | Trifluoroacetoxy hexadecane         | 338    | C18H33F3O2       | 006222-03-3  | 94   |
| 4         | Heptafluorobutyric acid, pentade... | 424    | C19H31F7O2       | 959261-23-5  | 94   |
| 5         | Pentafluoropropionic acid, penta... | 374    | C18H31F5O2       | 959092-08-1  | 94   |



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Acq On : 18 Dec 2017 21:51  
Operator : SJ/JU  
Sample : I6888-07  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-122-2(50-52)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.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... | 5.03  | 16.5    | ng    | 739081   | 1                     | 6.81  | 895527  | 20.0 |
| unknown6.58          | 6.58  | 77.3    | ng    | 3463630  | 1                     | 6.81  | 895527  | 20.0 |
| 2-Hydroxy-iso-but... | 8.65  | 2.0     | ng    | 113990   | 2                     | 8.09  | 1112690 | 20.0 |
| Benzophenone         | 10.56 | 4.4     | ng    | 227576   | 3                     | 9.85  | 1035160 | 20.0 |
| Dichloroacetic ac... | 13.80 | 6.1     | ng    | 245706   | 5                     | 13.99 | 810291  | 20.0 |