

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\  
 Data File : BF089804.D  
 Acq On : 19 Aug 2016 19:07  
 Operator : UM/SJ  
 Sample : H4478-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SEWER-DISCHARGE-39ST-081516

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-BF081916.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.655       | 5             | 6           | 15           | rVB      | 1058056        | 2172834       | 6.39%           | 1.722%        |
| 2         | 1.781       | 15            | 17          | 81           | rVB      | 11957292       | 34000513      | 100.00%         | 26.948%       |
| 3         | 4.810       | 280           | 282         | 289          | rBV      | 589252         | 687592        | 2.02%           | 0.545%        |
| 4         | 5.256       | 318           | 321         | 323          | rBV      | 3270451        | 3504154       | 10.31%          | 2.777%        |
| 5         | 6.307       | 411           | 413         | 415          | rBV      | 2756289        | 2227249       | 6.55%           | 1.765%        |
| 6         | 6.444       | 422           | 425         | 427          | rBV      | 7730223        | 7064276       | 20.78%          | 5.599%        |
| 7         | 6.684       | 443           | 446         | 448          | rBV      | 3187986        | 2963554       | 8.72%           | 2.349%        |
| 8         | 6.844       | 457           | 460         | 462          | rBV      | 7541443        | 9909337       | 29.14%          | 7.854%        |
| 9         | 7.244       | 492           | 495         | 498          | rBV      | 5958417        | 7393953       | 21.75%          | 5.860%        |
| 10        | 7.965       | 556           | 558         | 561          | rBV      | 4633091        | 3855919       | 11.34%          | 3.056%        |
| 11        | 8.239       | 580           | 582         | 584          | rBV      | 786976         | 627285        | 1.84%           | 0.497%        |
| 12        | 9.050       | 650           | 653         | 655          | rBV      | 14789902       | 14701045      | 43.24%          | 11.652%       |
| 13        | 9.439       | 685           | 687         | 689          | rBV      | 956175         | 763958        | 2.25%           | 0.605%        |
| 14        | 9.713       | 709           | 711         | 713          | rBV      | 5388787        | 4529646       | 13.32%          | 3.590%        |
| 15        | 10.491      | 777           | 779         | 782          | rBV2     | 4024842        | 5123281       | 15.07%          | 4.061%        |
| 16        | 11.188      | 837           | 840         | 842          | rBV      | 5078709        | 4282979       | 12.60%          | 3.395%        |
| 17        | 11.782      | 887           | 892         | 894          | rBV2     | 1565330        | 2510857       | 7.38%           | 1.990%        |
| 18        | 12.525      | 955           | 957         | 964          | rBV      | 1320470        | 1656314       | 4.87%           | 1.313%        |
| 19        | 12.776      | 976           | 979         | 982          | rBV      | 10147465       | 12348398      | 36.32%          | 9.787%        |
| 20        | 13.817      | 1068          | 1070        | 1077         | rVB      | 3643308        | 3411249       | 10.03%          | 2.704%        |
| 21        | 15.222      | 1190          | 1193        | 1196         | rBV      | 1793785        | 2436259       | 7.17%           | 1.931%        |

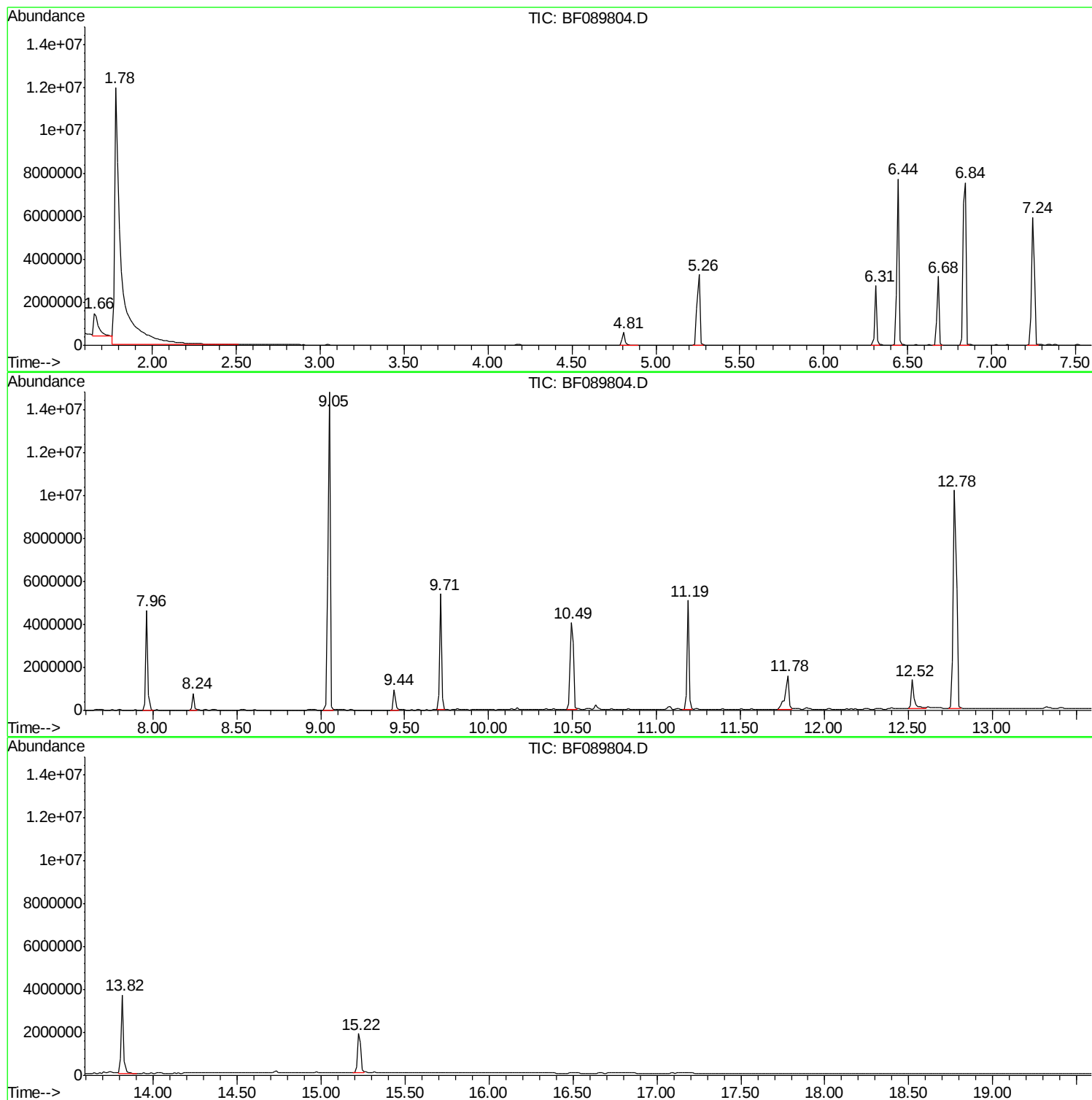
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ALS Vial : 20 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
SEWER-DISCHARGE-39ST-081516

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081916\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

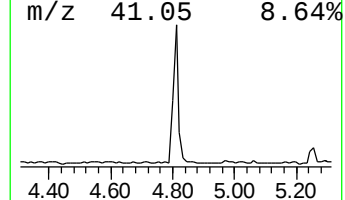
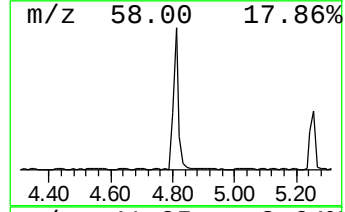
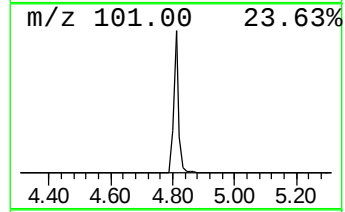
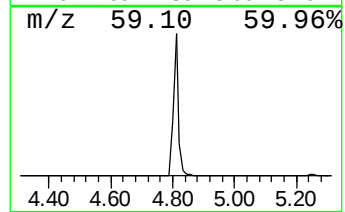
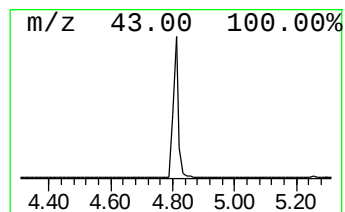
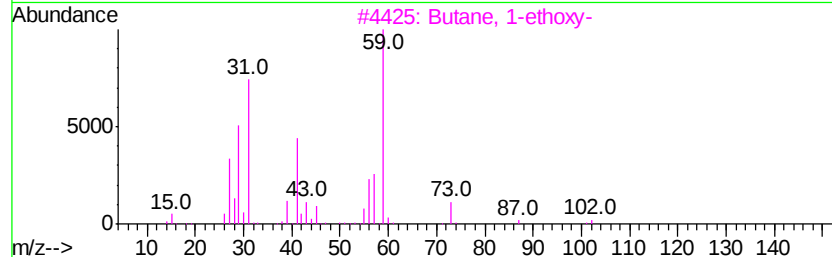
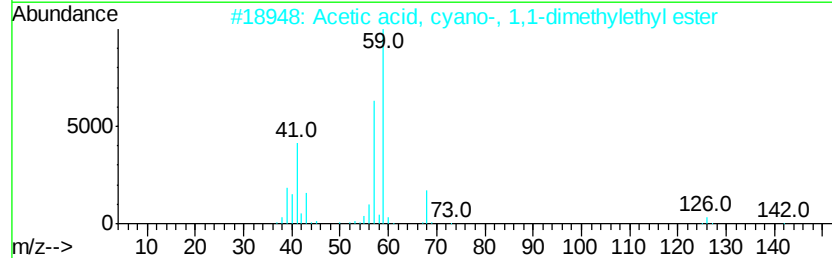
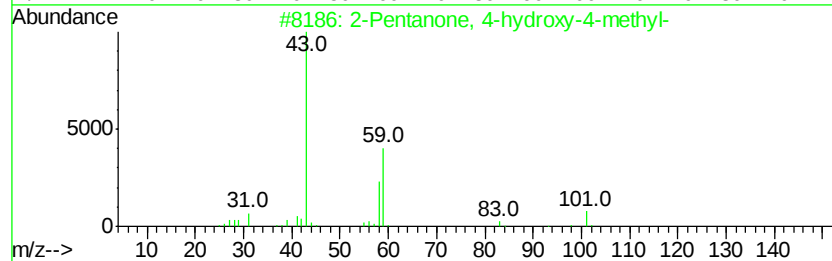
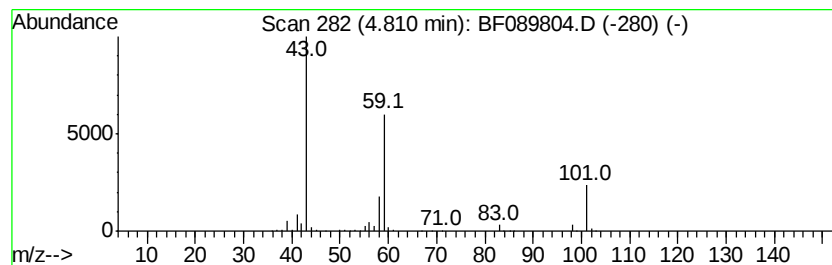
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.81 | 4.64 ng | 687592 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 3    |    |   | Butane, 1-ethoxy-                    | 102 | C6H14O   | 000628-81-9 | 9    |
| 4    |    |   | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |
| 5    |    |   | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |



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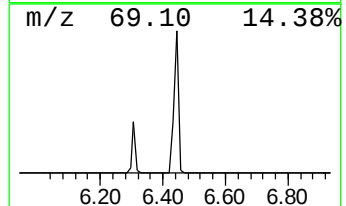
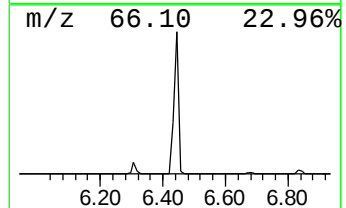
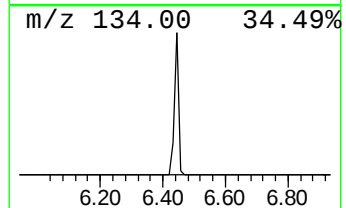
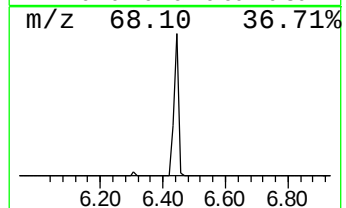
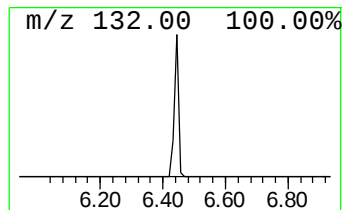
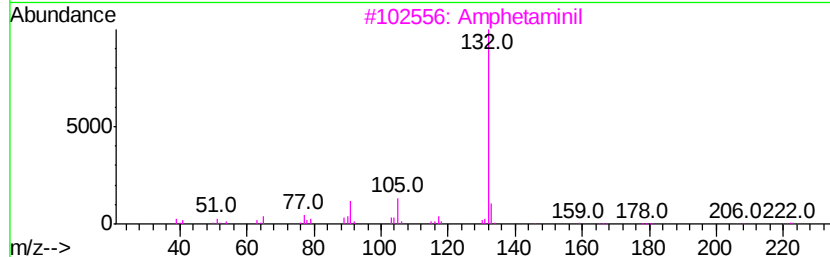
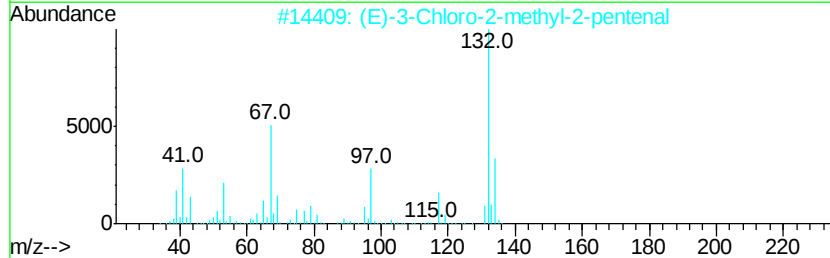
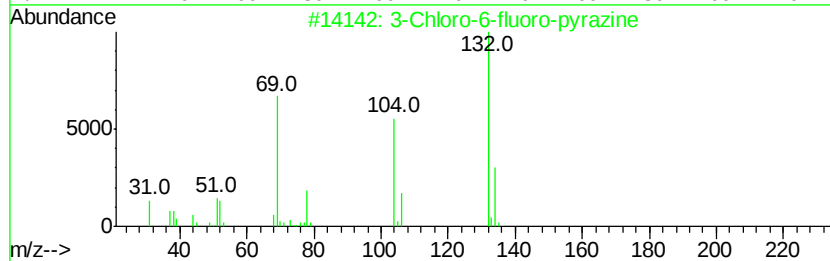
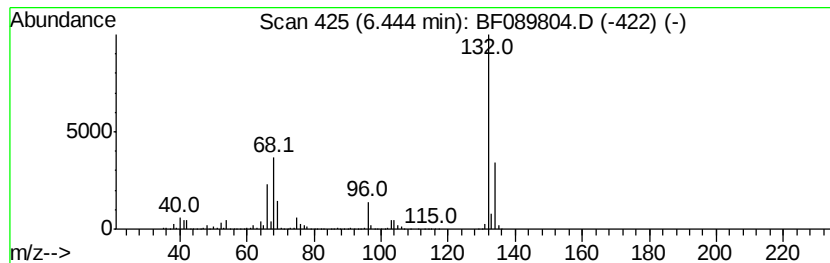
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 unknown6.44 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.44 | 47.67 ng | 7064280 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 35   |
| 3    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 5    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |



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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

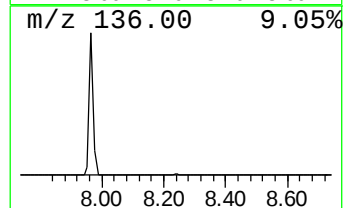
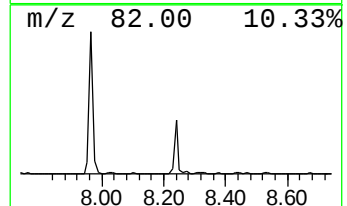
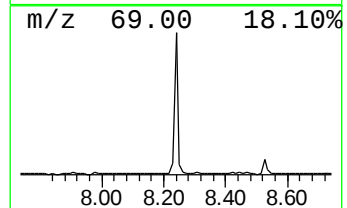
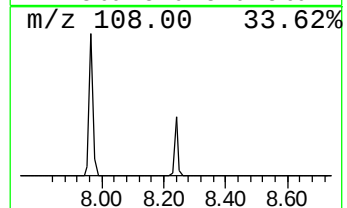
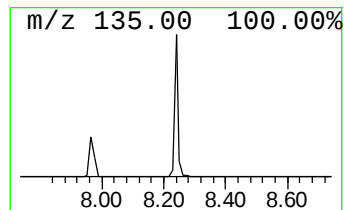
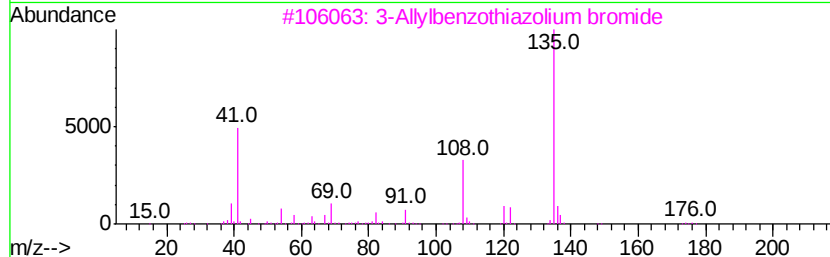
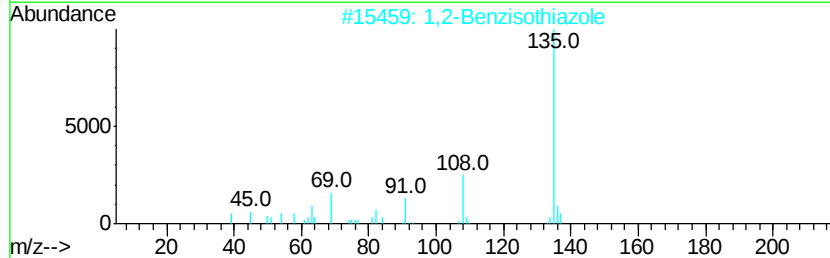
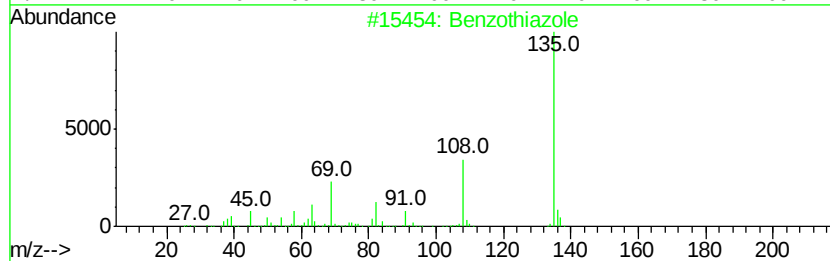
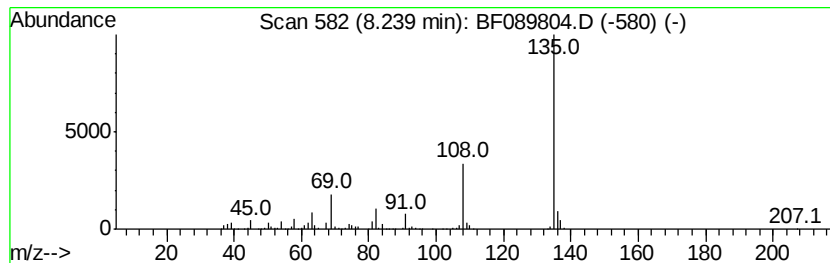
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzothiazole Concentration Rank 8

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.24 | 3.25 ng | 627285 | Napthalene-d8    | 7.96 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Benzothiazole                       | 135 | C7H5NS     | 000095-16-9 | 97   |
| 2    |    | 1,2-Benzisothiazole                 | 135 | C7H5NS     | 000272-16-2 | 86   |
| 3    |    | 3-Allylbenzothiazolium bromide      | 255 | C10H10BrNS | 016407-55-9 | 83   |
| 4    |    | Thieno[2,3-c]pyridine               | 135 | C7H5NS     | 000272-12-8 | 78   |
| 5    |    | 1H-Pyrazolo[3,4-d]pyrimidin-4-amine | 135 | C5H5N5     | 002380-63-4 | 64   |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

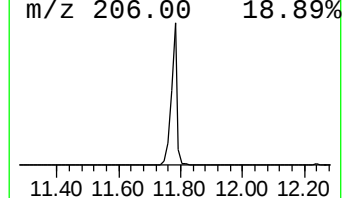
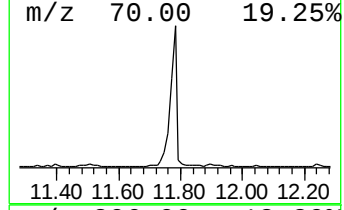
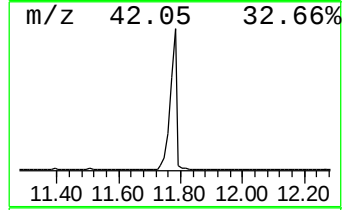
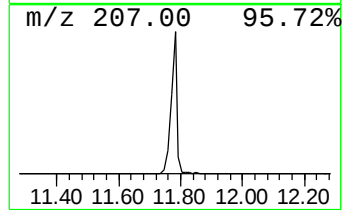
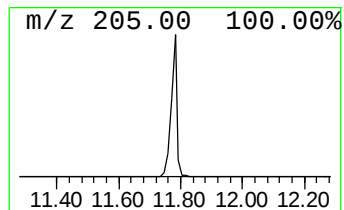
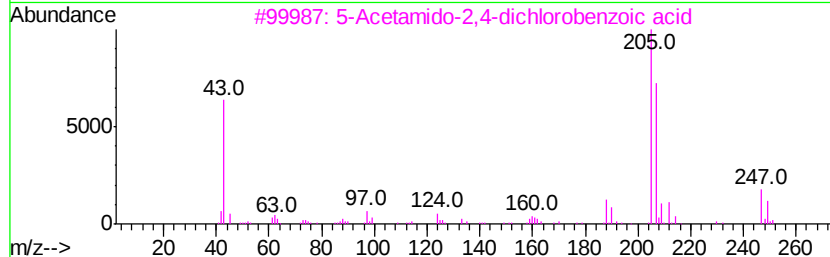
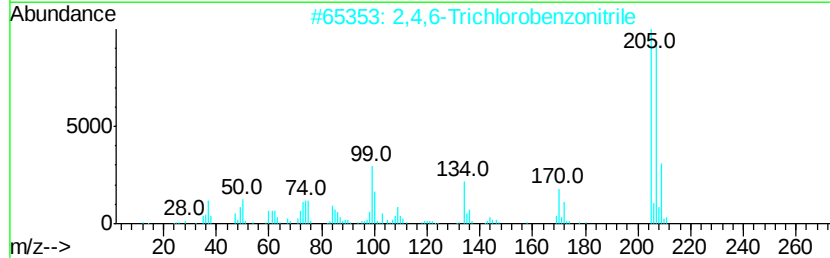
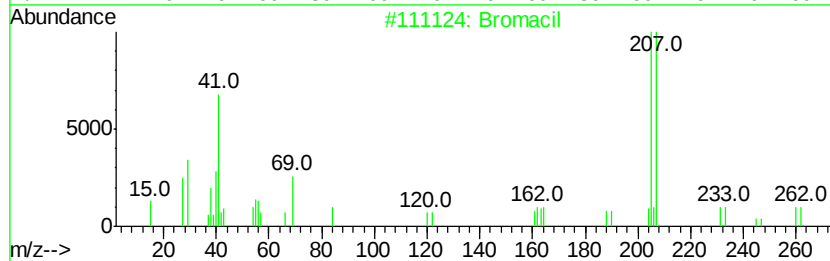
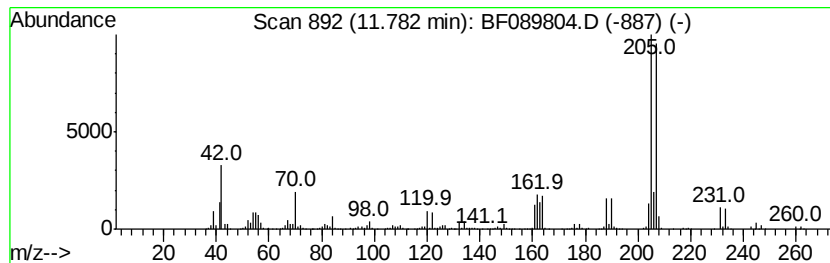
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Bromacil Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.78 | 11.72 ng | 2510860 | Phenanthrene-d10 | 11.19 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Bromacil                            | 260 | C9H13BrN2O2 | 000314-40-9 | 94   |
| 2    |    | 2,4,6-Trichlorobenzonitrile         | 205 | C7H2Cl3N    | 006575-05-9 | 53   |
| 3    |    | 5-Acetamido-2,4-dichlorobenzoic ... | 247 | C9H7Cl2NO3  | 050602-49-8 | 45   |
| 4    |    | Benzoic acid, 3-amino-2,5-dichloro- | 205 | C7H5Cl2NO2  | 000133-90-4 | 45   |
| 5    |    | 4H-Benzo[def]carbazole, 4-methyl-   | 205 | C15H11N     | 084819-26-1 | 25   |



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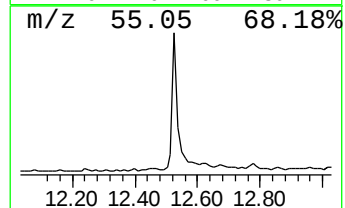
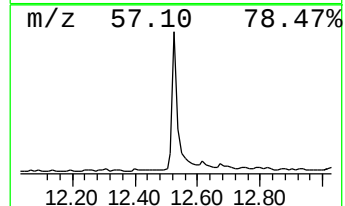
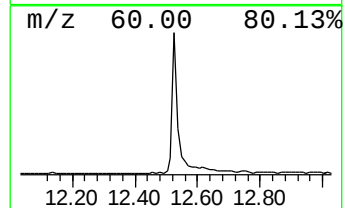
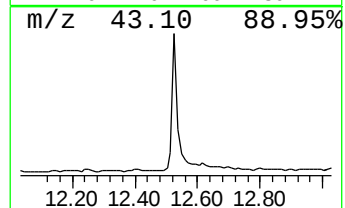
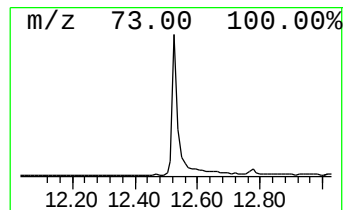
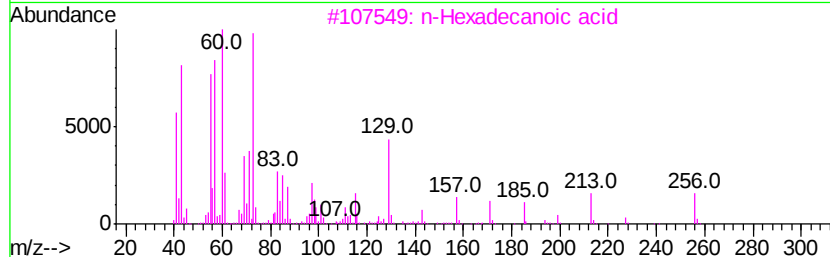
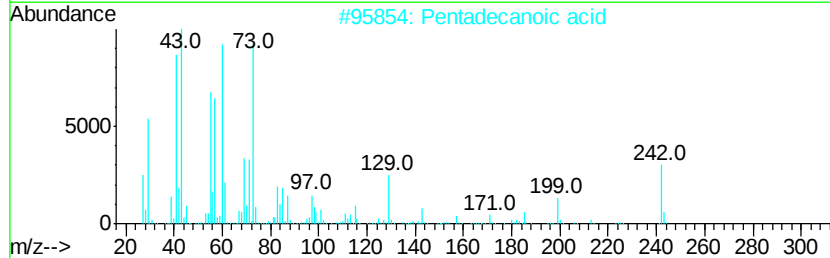
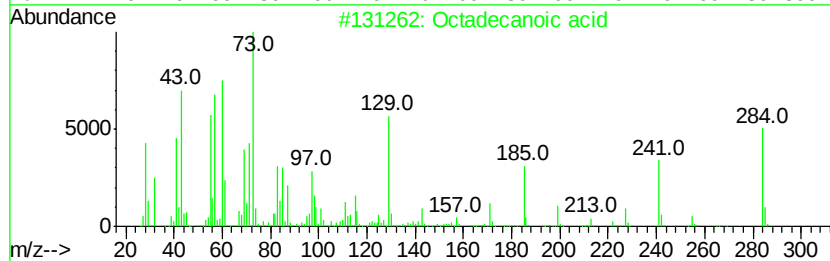
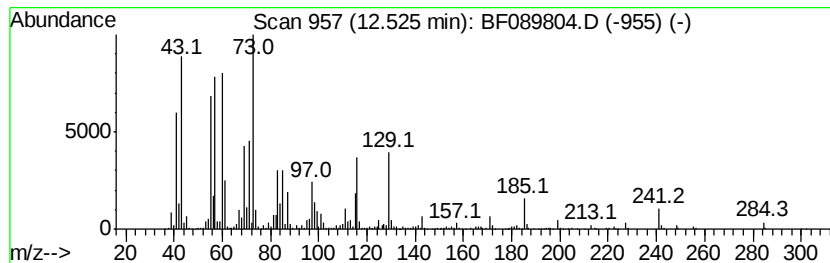
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Octadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 12.53 | 9.71 ng | 1656310 | Chrysene-d12     | 13.82 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 87   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 76   |
| 5    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 68   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081916\  
Data File : BF089804.D  
Acq On : 19 Aug 2016 19:07  
Operator : UM/SJ  
Sample : H4478-01  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SEWER-DISCHARGE-39ST-081516

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081916.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... | 4.81  | 4.6     | ng    | 687592   | 1                     | 6.68  | 2963550 | 20.0 |
| unknown6.44          | 6.44  | 47.7    | ng    | 7064280  | 1                     | 6.68  | 2963550 | 20.0 |
| Benzothiazole        | 8.24  | 3.3     | ng    | 627285   | 2                     | 7.96  | 3855920 | 20.0 |
| Bromacil             | 11.78 | 11.7    | ng    | 2510860  | 4                     | 11.19 | 4282980 | 20.0 |
| Octadecanoic acid    | 12.53 | 9.7     | ng    | 1656310  | 5                     | 13.82 | 3411250 | 20.0 |