

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051916\  
 Data File : BF087199.D  
 Acq On : 19 May 2016 21:05  
 Operator : UM/SJ  
 Sample : H3144-15  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 11-AB-AC(0-2)

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-BF051716.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         | 1.713       | 9             | 11          | 44           | rVB      | 1943024        | 4528595       | 100.00%         | 12.394%       |
| 2         | 3.964       | 203           | 208         | 216          | rBV2     | 22141          | 73237         | 1.62%           | 0.200%        |
| 3         | 4.684       | 269           | 271         | 292          | rVB      | 274668         | 546006        | 12.06%          | 1.494%        |
| 4         | 5.153       | 310           | 312         | 326          | rBV      | 2925787        | 3389172       | 74.84%          | 9.275%        |
| 5         | 6.227       | 404           | 406         | 409          | rBV      | 2443946        | 3289440       | 72.64%          | 9.002%        |
| 6         | 6.342       | 413           | 416         | 418          | rBV      | 2717931        | 3449500       | 76.17%          | 9.440%        |
| 7         | 6.559       | 434           | 435         | 442          | rVB      | 668840         | 930465        | 20.55%          | 2.546%        |
| 8         | 6.719       | 447           | 449         | 452          | rBV      | 2821679        | 2505513       | 55.33%          | 6.857%        |
| 9         | 7.142       | 484           | 486         | 488          | rBV      | 2426768        | 2326028       | 51.36%          | 6.366%        |
| 10        | 7.850       | 546           | 548         | 551          | rBV      | 1333574        | 1220534       | 26.95%          | 3.340%        |
| 11        | 8.936       | 640           | 643         | 645          | rBV      | 3568388        | 3745148       | 82.70%          | 10.250%       |
| 12        | 9.336       | 676           | 678         | 680          | rBV      | 464222         | 411226        | 9.08%           | 1.125%        |
| 13        | 9.542       | 694           | 696         | 698          | rBV      | 101060         | 138999        | 3.07%           | 0.380%        |
| 14        | 9.599       | 698           | 701         | 703          | rBV      | 1535005        | 1352730       | 29.87%          | 3.702%        |
| 15        | 9.782       | 713           | 717         | 718          | rBV      | 27324          | 47699         | 1.05%           | 0.131%        |
| 16        | 10.045      | 738           | 740         | 742          | rBV      | 249184         | 200681        | 4.43%           | 0.549%        |
| 17        | 10.262      | 756           | 759         | 762          | rBV      | 64967          | 105658        | 2.33%           | 0.289%        |
| 18        | 10.388      | 768           | 770         | 773          | rBV      | 2289356        | 2191396       | 48.39%          | 5.997%        |
| 19        | 10.513      | 779           | 781         | 788          | rVB      | 219312         | 242038        | 5.34%           | 0.662%        |
| 20        | 10.959      | 818           | 820         | 822          | rBV      | 73232          | 68303         | 1.51%           | 0.187%        |
| 21        | 11.074      | 828           | 830         | 833          | rVV      | 1282382        | 1175522       | 25.96%          | 3.217%        |
| 22        | 11.634      | 876           | 879         | 882          | rBV      | 50120          | 90201         | 1.99%           | 0.247%        |
| 23        | 12.662      | 966           | 969         | 971          | rBV      | 2508931        | 2729856       | 60.28%          | 7.471%        |
| 24        | 13.577      | 1046          | 1049        | 1057         | rBV      | 49737          | 143440        | 3.17%           | 0.393%        |
| 25        | 13.702      | 1057          | 1060        | 1062         | rBV      | 880666         | 860959        | 19.01%          | 2.356%        |
| 26        | 15.051      | 1176          | 1178        | 1185         | rBV      | 679788         | 777243        | 17.16%          | 2.127%        |

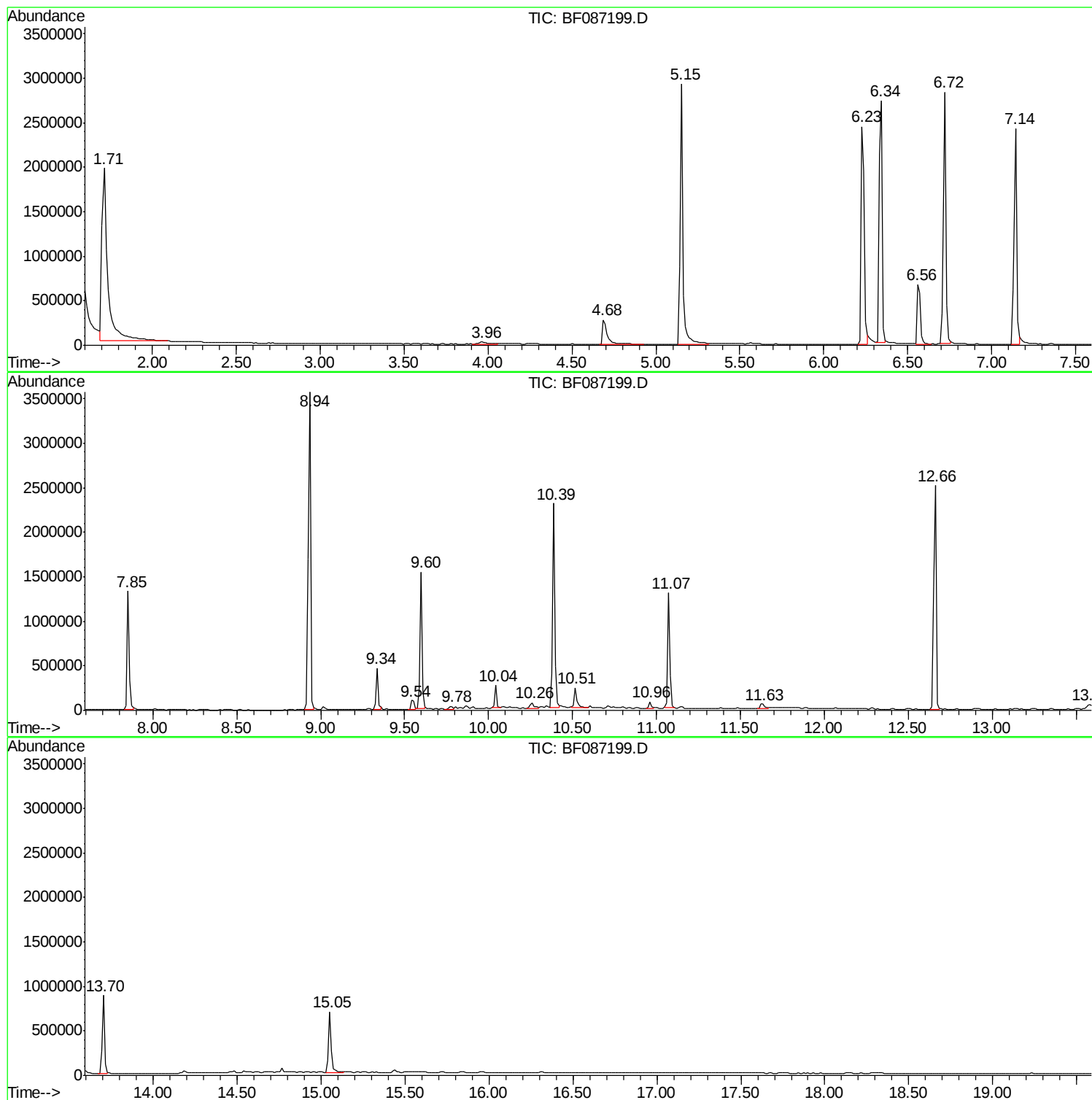
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ClientSampleId :  
11-AB-AC(0-2)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.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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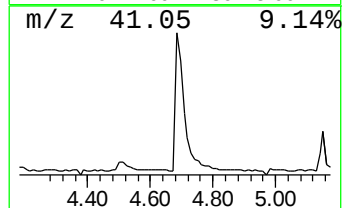
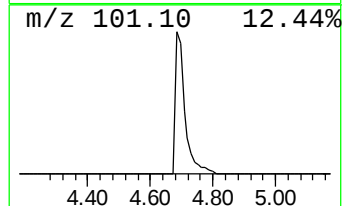
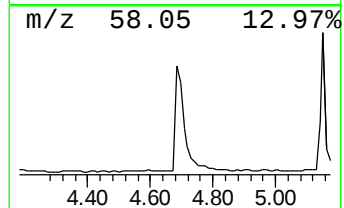
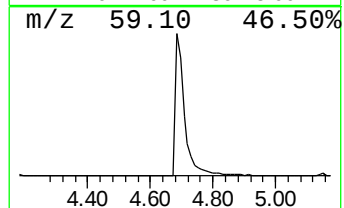
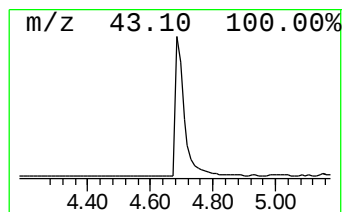
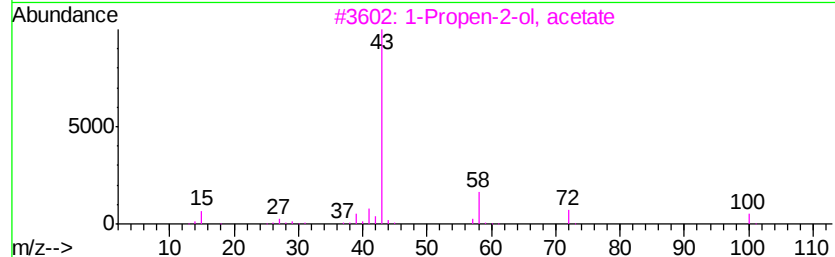
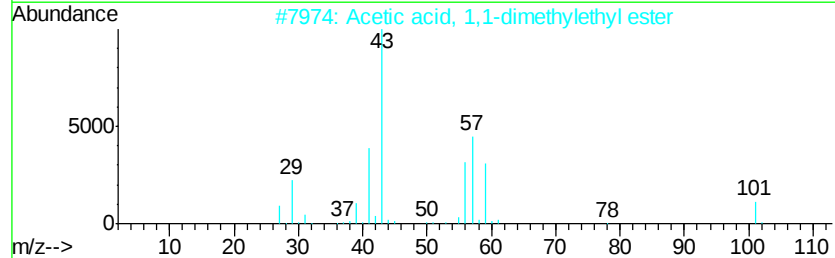
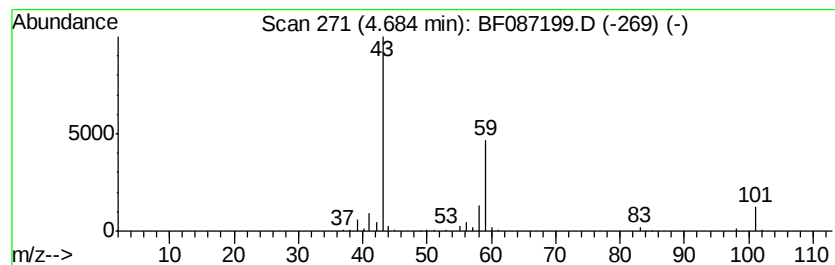
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.68 | 11.74 ng | 546006 | 1,4-Dichlorobenzene-d4 | 6.57 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2       |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 28   |
| 3       |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5 | 10   |
| 4       |   | Diacetamide                         | 101 | C4H7NO2 | 000625-77-4 | 9    |
| 5       |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.M  
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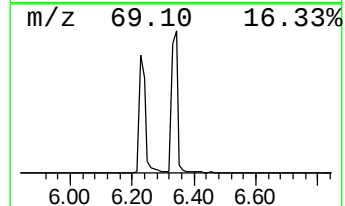
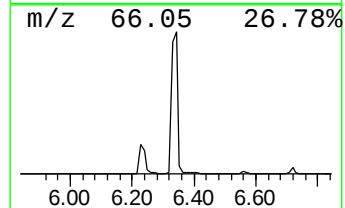
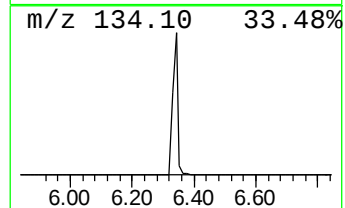
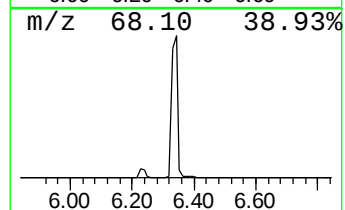
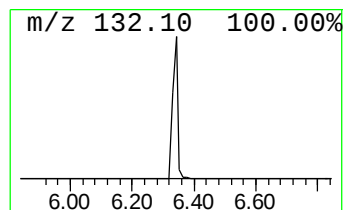
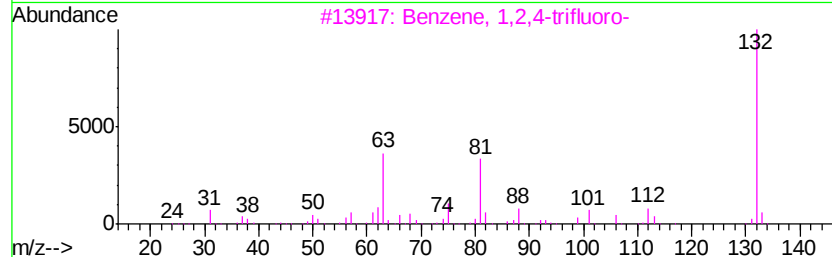
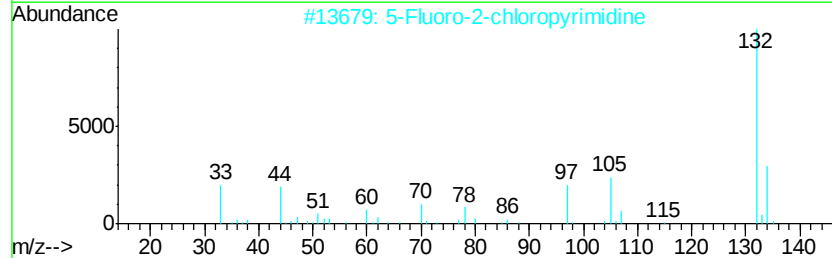
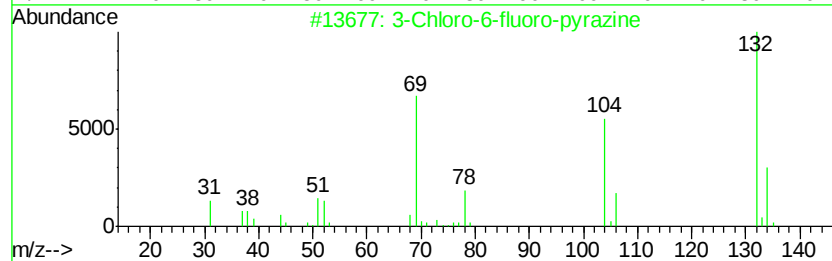
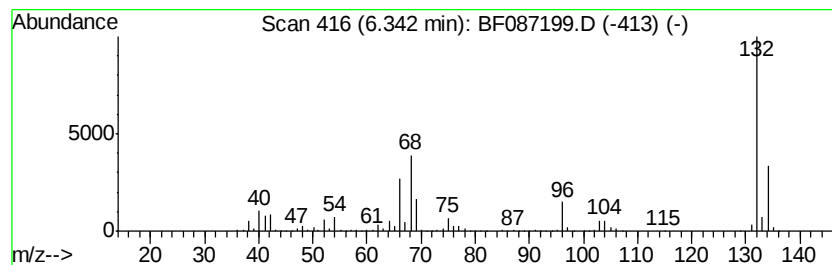
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown6.34 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.34 | 74.15 ng | 3449500 | 1,4-Dichlorobenzene-d4 | 6.57 |

| Hit# | of | Tentative ID                | MW  | MolForm   | CAS#         | Qual |
|------|----|-----------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine  | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 3    |    | Benzene, 1,2,4-trifluoro-   | 132 | C6H3F3    | 000367-23-7  | 9    |
| 4    |    | Benzene, 1,3,5-trifluoro-   | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | Xenon                       | 132 | Xe        | 007440-63-3  | 9    |



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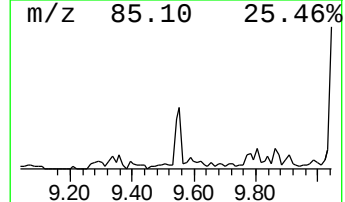
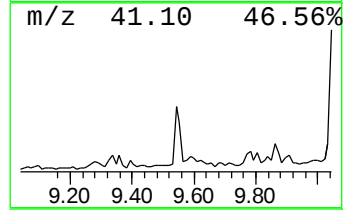
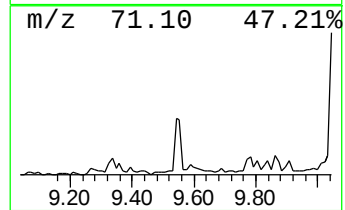
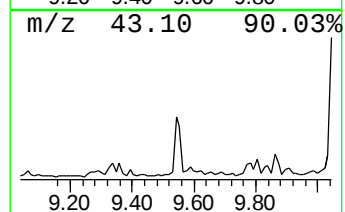
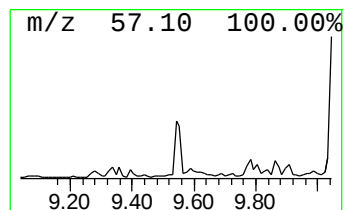
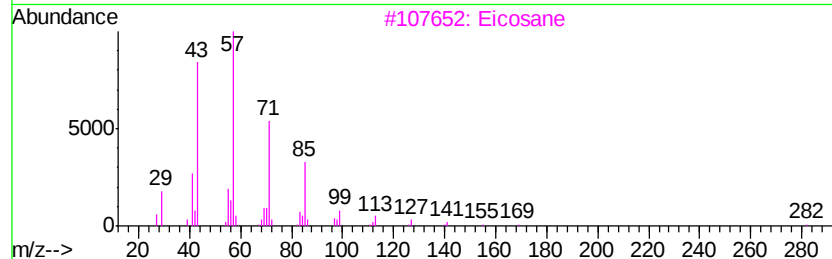
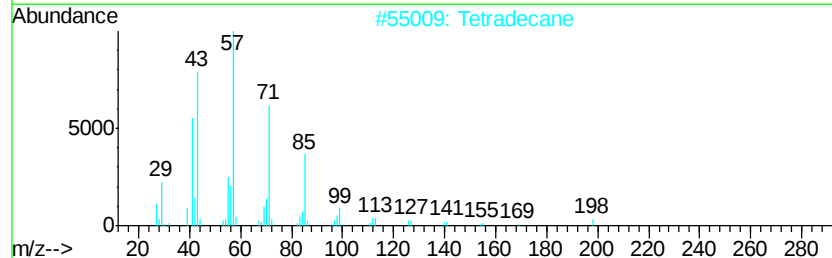
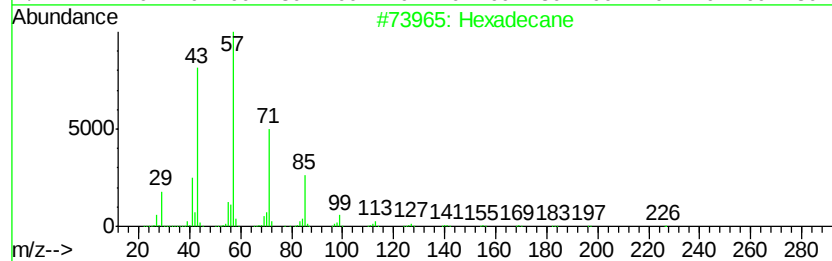
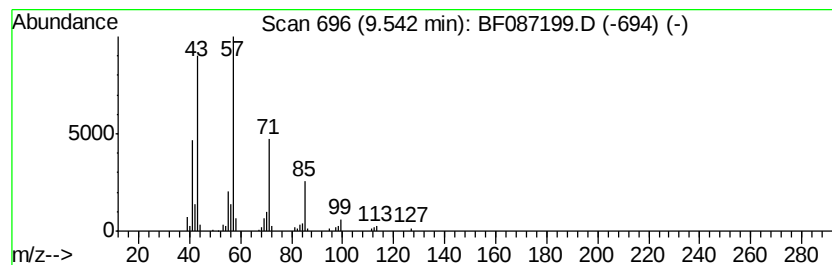
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Hexadecane Concentration Rank 8

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.54 | 2.06 ng | 138999 | Acenaphthene-d10 | 9.60 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane   | 226 | C16H34  | 000544-76-3 | 91   |
| 2    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 90   |
| 3    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 83   |
| 4    |    | Pentadecane  | 212 | C15H32  | 000629-62-9 | 78   |
| 5    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 78   |



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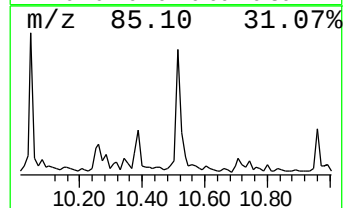
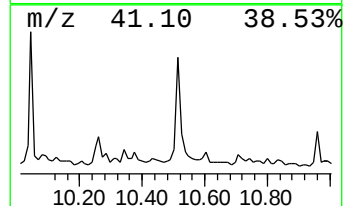
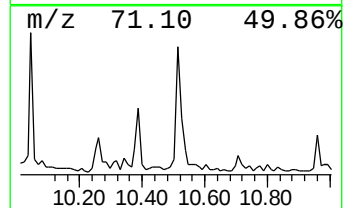
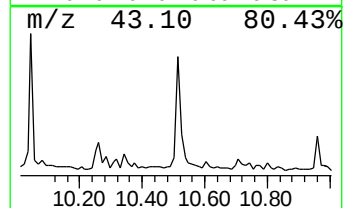
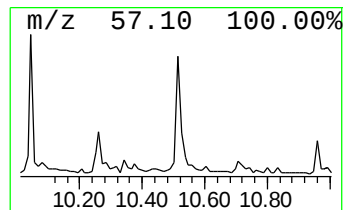
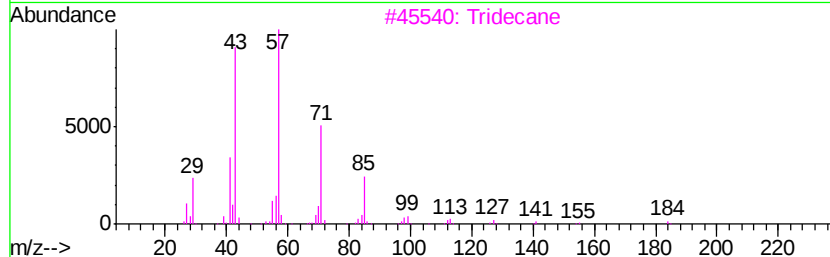
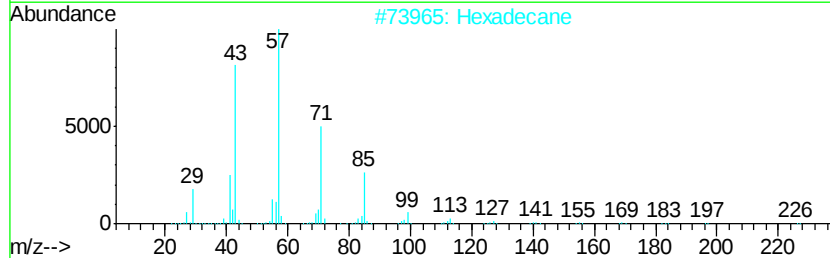
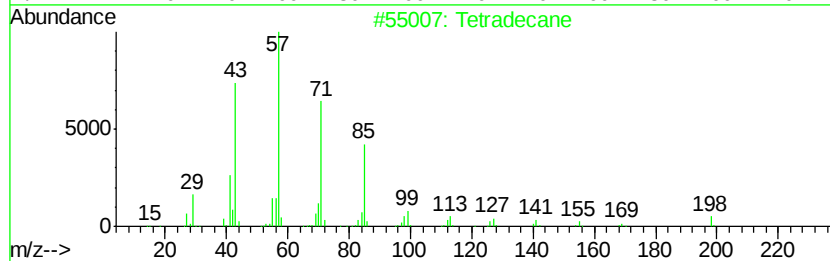
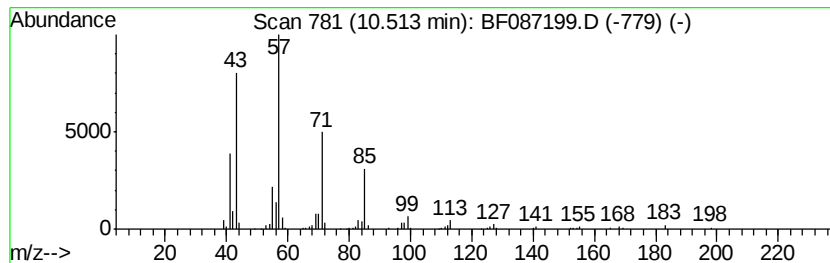
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Tetradecane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.51 | 4.12 ng | 242038 | Phenanthrene-d10 | 11.07 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetradecane          | 198 | C14H30  | 000629-59-4 | 93   |
| 2    |    | Hexadecane           | 226 | C16H34  | 000544-76-3 | 91   |
| 3    |    | Tridecane            | 184 | C13H28  | 000629-50-5 | 90   |
| 4    |    | Eicosane             | 282 | C20H42  | 000112-95-8 | 86   |
| 5    |    | Tridecane, 6-propyl- | 226 | C16H34  | 055045-10-8 | 80   |



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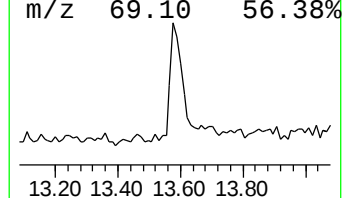
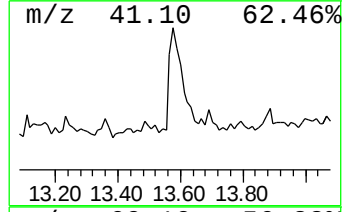
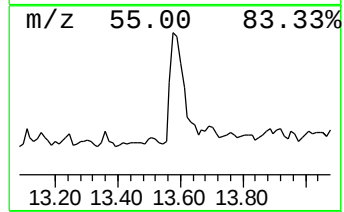
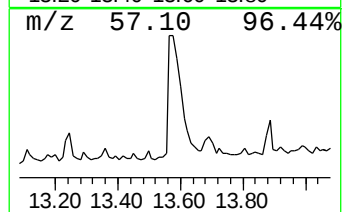
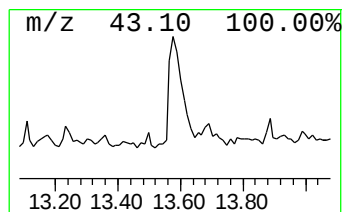
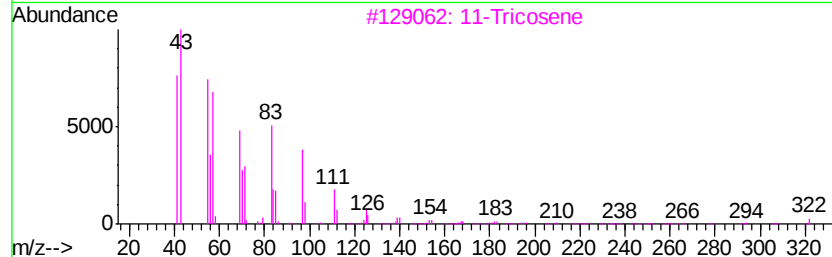
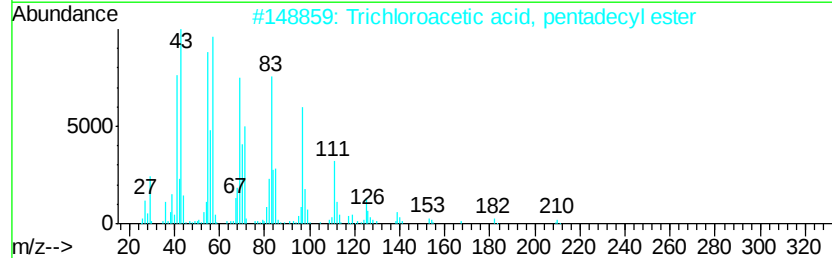
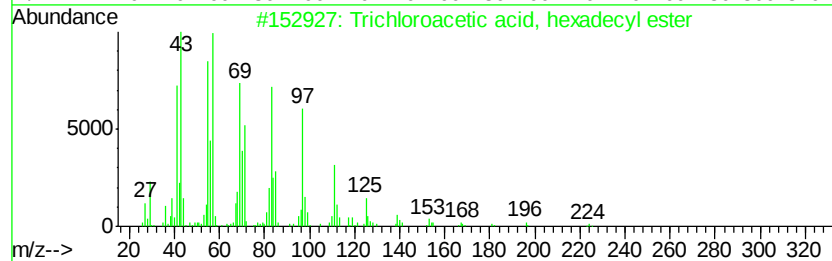
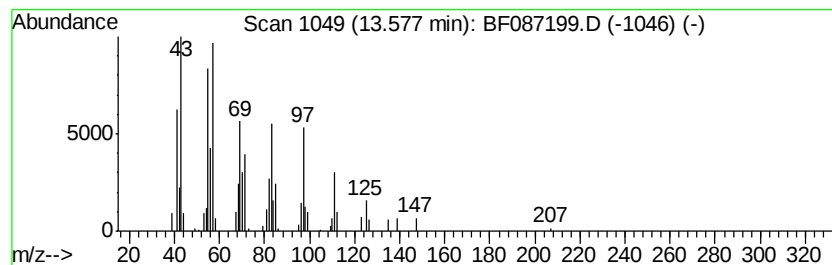
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Trichloroacetic acid, hexad... Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.58 | 3.33 ng | 143440 | Chrysene-d12     | 13.70 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------|-------------|------|
| 1    |    |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91   |
| 2    |    |   | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91   |
| 3    |    |   | 11-Tricosene                        | 322 | C23H46      | 052078-56-5 | 87   |
| 4    |    |   | 1-Docosene                          | 308 | C22H44      | 001599-67-3 | 87   |
| 5    |    |   | 1-Tetracosanol                      | 354 | C24H50O     | 000506-51-4 | 74   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051916\  
Data File : BF087199.D  
Acq On : 19 May 2016 21:05  
Operator : UM/SJ  
Sample : H3144-15  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
11-AB-AC(0-2)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.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... | 4.68  | 11.7    | ng    | 546006   | 1                     | 6.57  | 930465  | 20.0 |
| unknown6.34          | 6.34  | 74.2    | ng    | 3449500  | 1                     | 6.57  | 930465  | 20.0 |
| Hexadecane           | 9.54  | 2.1     | ng    | 138999   | 3                     | 9.60  | 1352730 | 20.0 |
| Tetradecane          | 10.51 | 4.1     | ng    | 242038   | 4                     | 11.07 | 1175520 | 20.0 |
| Trichloroacetic a... | 13.58 | 3.3     | ng    | 143440   | 5                     | 13.70 | 860959  | 20.0 |