

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG051119\  
 Data File : BG040902.D  
 Acq On : 12 May 2019 10:23  
 Operator : HP/JU  
 Sample : K2768-11  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P026-SS015-0612-01

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:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.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         | 3.140       | 4             | 9           | 18           | rBV      | 193366         | 359218        | 9.18%           | 1.472%        |
| 2         | 3.217       | 18            | 22          | 34           | rVB      | 207335         | 295526        | 7.55%           | 1.211%        |
| 3         | 5.667       | 432           | 439         | 449          | rBV      | 1044694        | 1677736       | 42.88%          | 6.877%        |
| 4         | 7.276       | 704           | 713         | 724          | rBV      | 1158714        | 2023358       | 51.71%          | 8.293%        |
| 5         | 7.658       | 770           | 778         | 789          | rBV      | 1110456        | 1860775       | 47.56%          | 7.627%        |
| 6         | 8.128       | 851           | 858         | 871          | rBV      | 196224         | 344516        | 8.81%           | 1.412%        |
| 7         | 8.457       | 905           | 914         | 921          | rBV      | 736954         | 1252749       | 32.02%          | 5.135%        |
| 8         | 9.309       | 1051          | 1059        | 1067         | rBV      | 693013         | 1246441       | 31.86%          | 5.109%        |
| 9         | 10.955      | 1332          | 1339        | 1347         | rBV      | 269700         | 481374        | 12.30%          | 1.973%        |
| 10        | 13.387      | 1745          | 1753        | 1760         | rBV      | 1666446        | 2506040       | 64.05%          | 10.271%       |
| 11        | 14.204      | 1884          | 1892        | 1897         | rBV      | 263872         | 374939        | 9.58%           | 1.537%        |
| 12        | 14.762      | 1979          | 1987        | 1995         | rBV2     | 476750         | 747969        | 19.12%          | 3.066%        |
| 13        | 16.248      | 2232          | 2240        | 2250         | rBV      | 1687871        | 2638997       | 67.45%          | 10.816%       |
| 14        | 17.506      | 2448          | 2454        | 2465         | rVB2     | 687461         | 1026856       | 26.24%          | 4.209%        |
| 15        | 18.358      | 2593          | 2599        | 2607         | rBV      | 239898         | 345752        | 8.84%           | 1.417%        |
| 16        | 19.550      | 2797          | 2802        | 2809         | rVB      | 33613          | 49375         | 1.26%           | 0.202%        |
| 17        | 19.621      | 2809          | 2814        | 2824         | rBV2     | 87185          | 144874        | 3.70%           | 0.594%        |
| 18        | 19.909      | 2857          | 2863        | 2869         | rBV      | 56888          | 87012         | 2.22%           | 0.357%        |
| 19        | 20.103      | 2889          | 2896        | 2901         | rBV      | 2965215        | 3912721       | 100.00%         | 16.037%       |
| 20        | 21.389      | 3109          | 3115        | 3122         | rBV4     | 92500          | 205581        | 5.25%           | 0.843%        |
| 21        | 21.789      | 3175          | 3183        | 3189         | rBV2     | 668123         | 1183575       | 30.25%          | 4.851%        |
| 22        | 21.942      | 3203          | 3209        | 3214         | rBV3     | 23650          | 40813         | 1.04%           | 0.167%        |
| 23        | 22.564      | 3310          | 3315        | 3320         | rBV2     | 32636          | 59108         | 1.51%           | 0.242%        |
| 24        | 23.275      | 3431          | 3436        | 3443         | rVB4     | 60532          | 114398        | 2.92%           | 0.469%        |
| 25        | 23.481      | 3465          | 3471        | 3476         | rVB2     | 55425          | 115195        | 2.94%           | 0.472%        |
| 26        | 24.110      | 3573          | 3578        | 3588         | rVB5     | 51647          | 121226        | 3.10%           | 0.497%        |
| 27        | 25.132      | 3739          | 3752        | 3763         | rBV2     | 383004         | 1181916       | 30.21%          | 4.844%        |

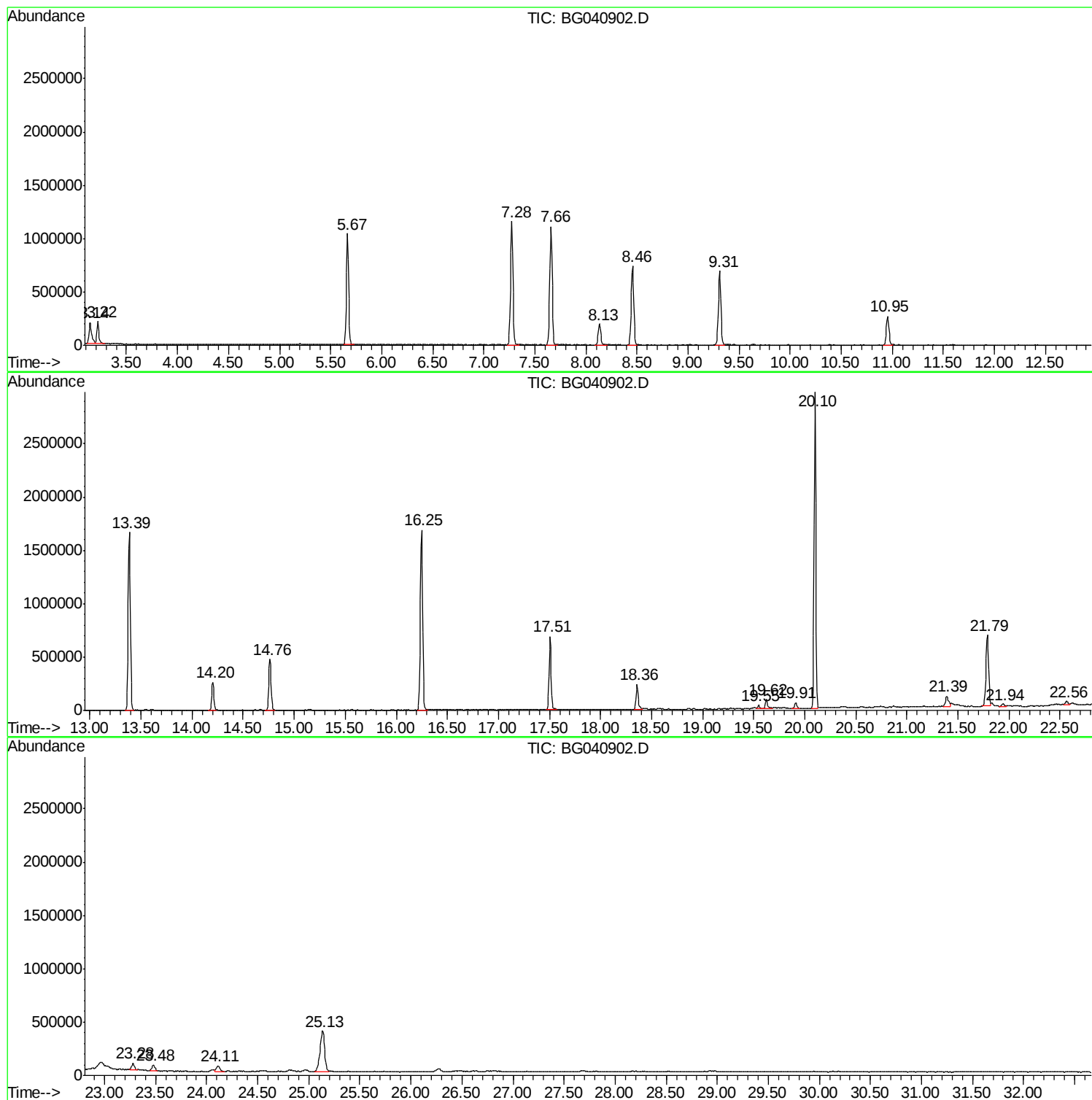
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BNA\_G  
ClientSampleId :  
P026-SS015-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.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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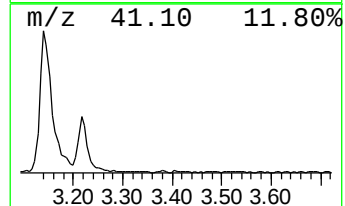
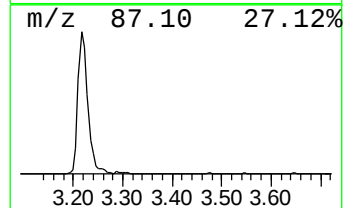
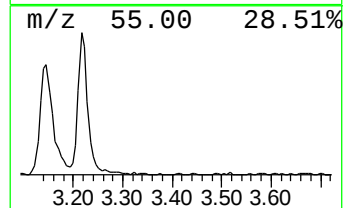
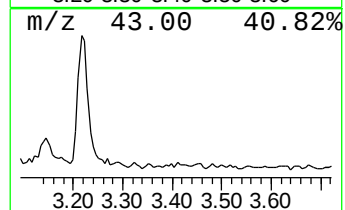
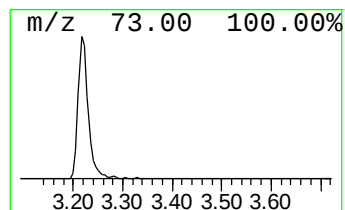
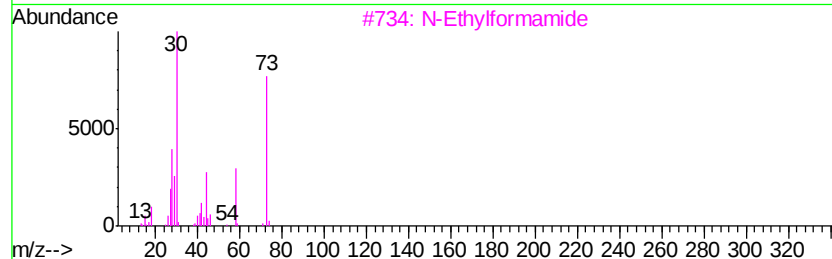
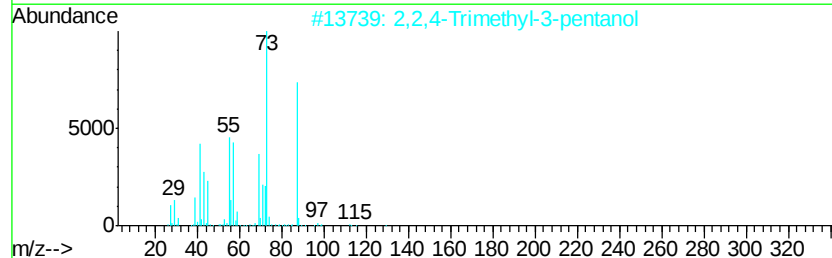
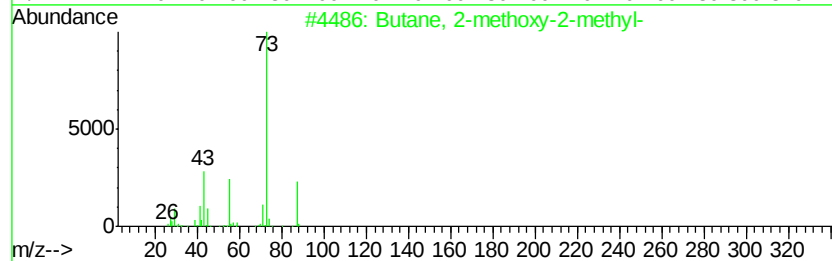
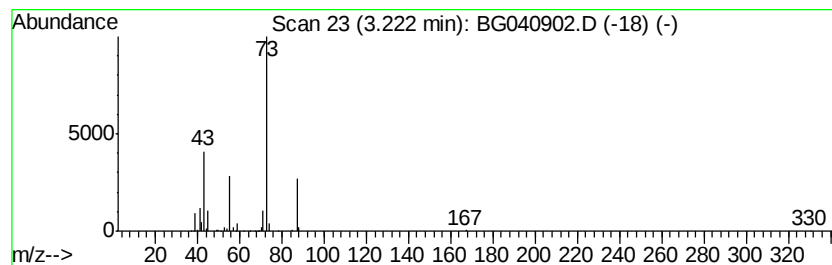
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.22 | 17.16 ng | 295526 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 38   |
| 3    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 4    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |
| 5    |    | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

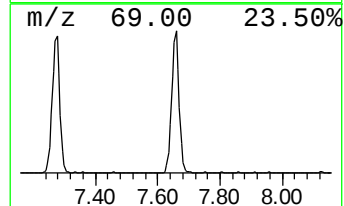
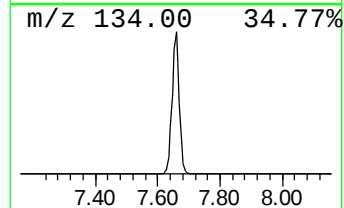
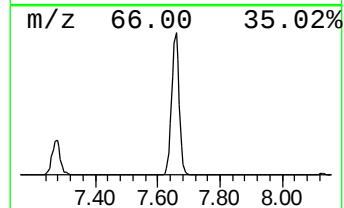
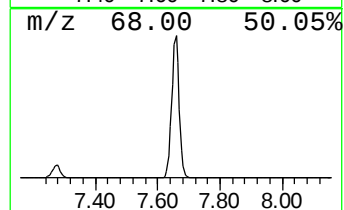
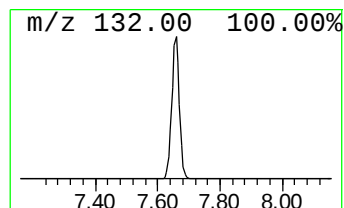
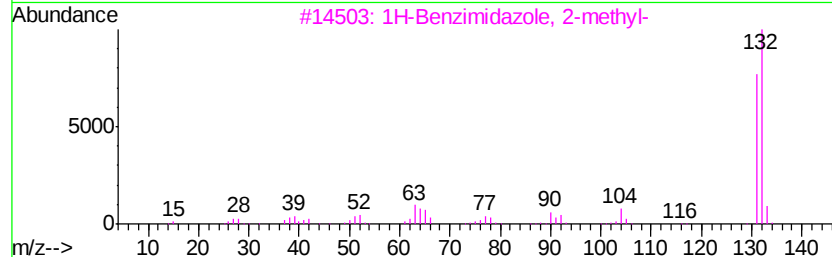
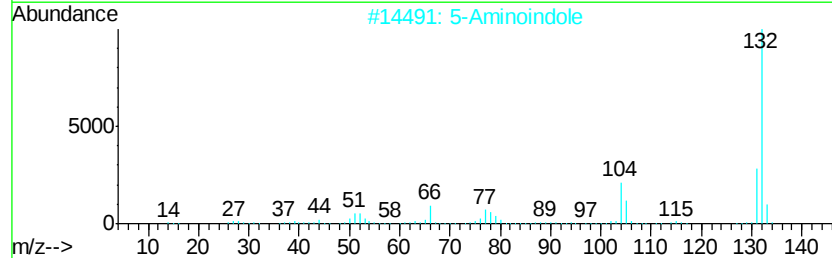
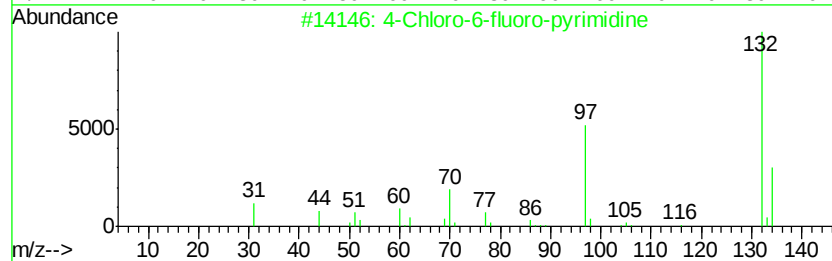
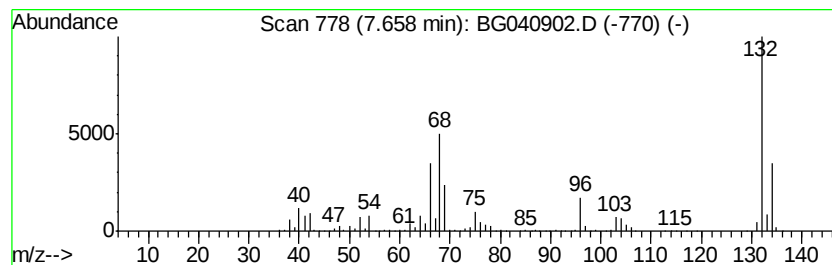
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown7.66 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.66 | 108.02 ng | 1860780 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 5-Aminoindole                | 132 | C8H8N2    | 005192-03-0  | 22   |
| 3    |    | 1H-Benzimidazole, 2-methyl-  | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 3-Chloro-6-fluoro-pyrazine   | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    | Cyclopropanamine, 1-phenyl-  | 133 | C9H11N    | 1000351-26-2 | 14   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.M  
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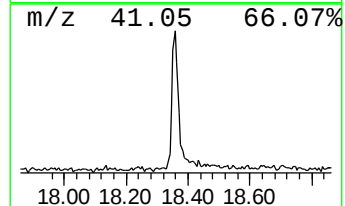
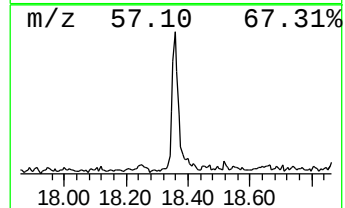
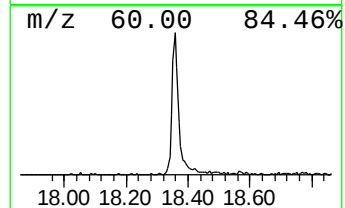
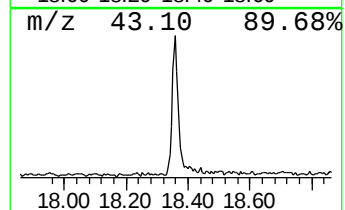
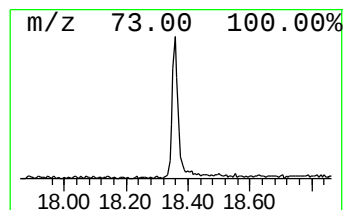
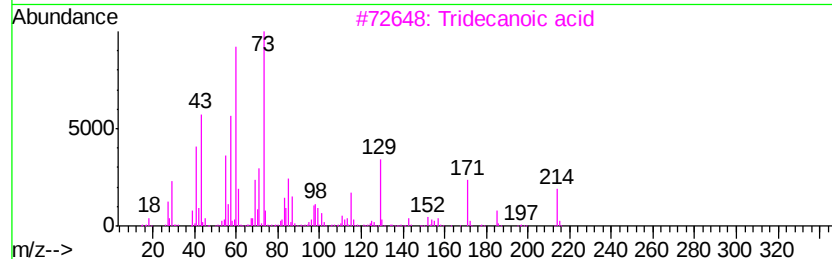
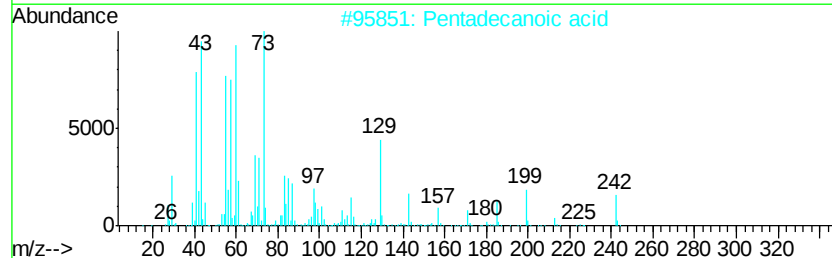
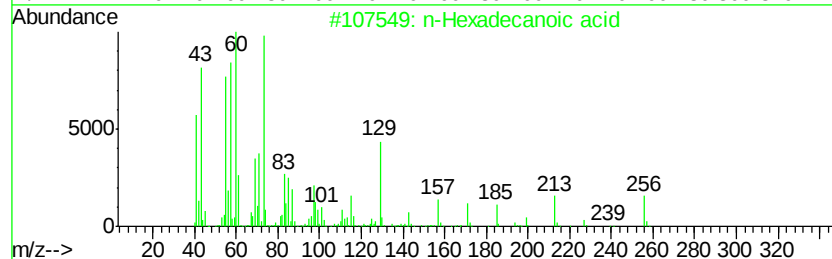
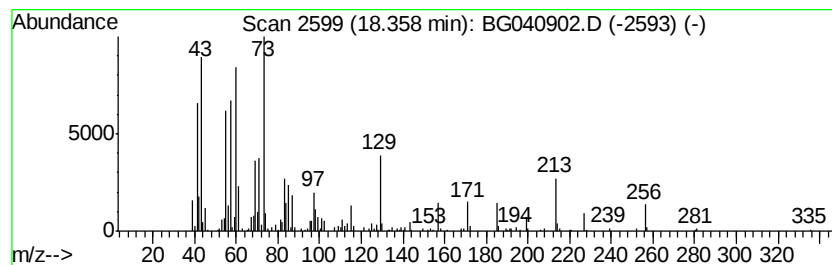
TIC Library : C:\Database\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.36 | 6.73 ng | 345752 | Phenanthrene-d10 | 17.51 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 83   |
| 3    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 76   |
| 4    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 64   |
| 5    |    | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 60   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.M  
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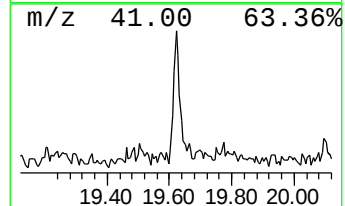
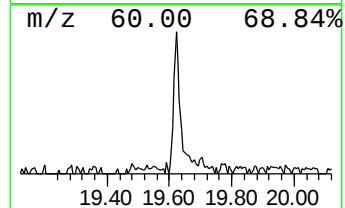
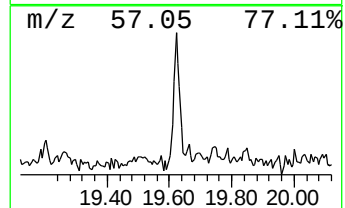
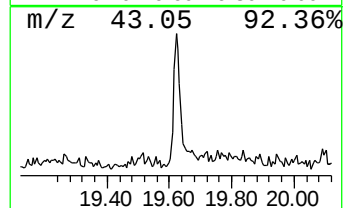
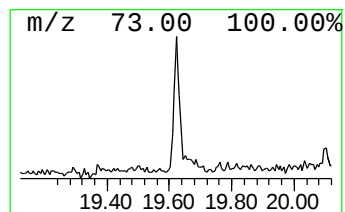
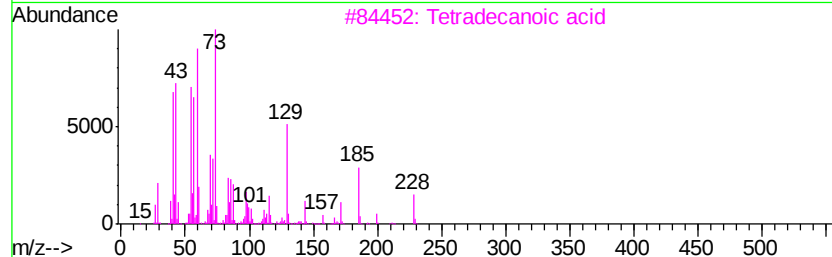
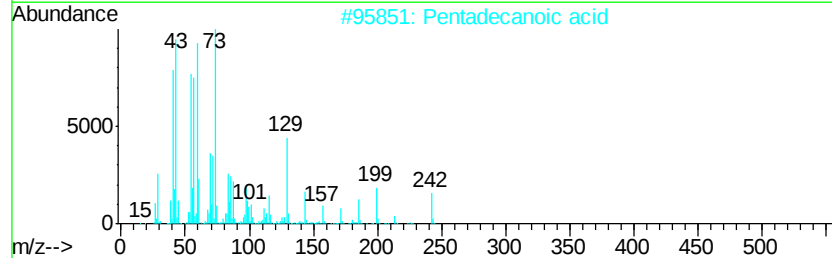
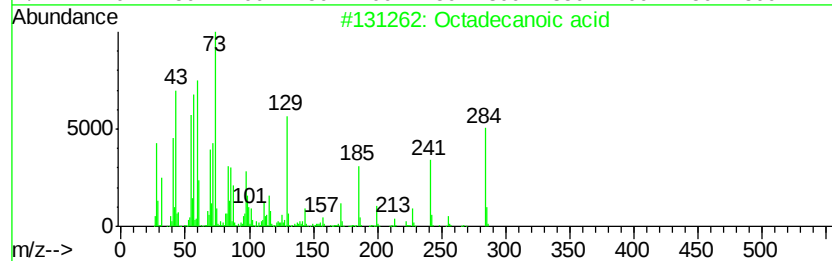
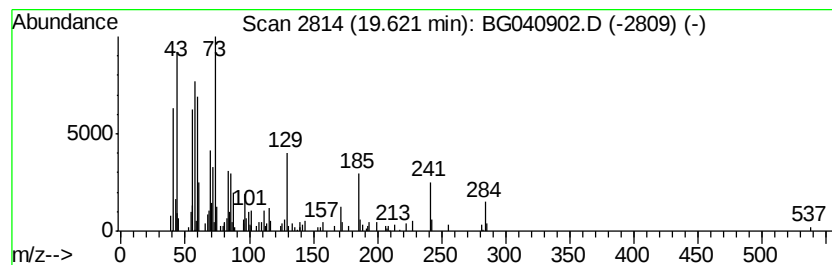
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 Peak Number 6 Octadecanoic acid Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.62 | 2.82 ng | 144874 | Phenanthrene-d10 | 17.51 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 94   |
| 2    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 89   |
| 3    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 64   |
| 4    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 64   |
| 5    |    | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 62   |



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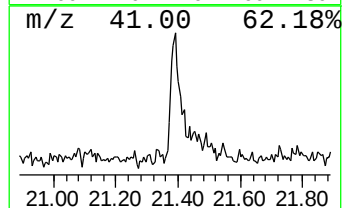
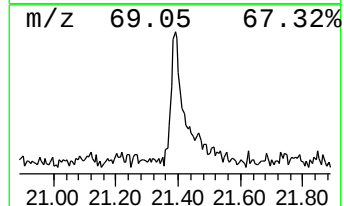
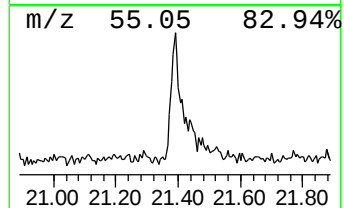
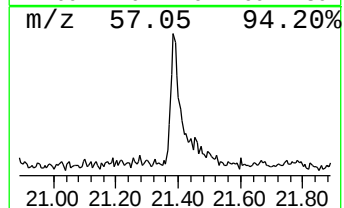
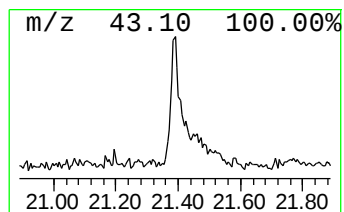
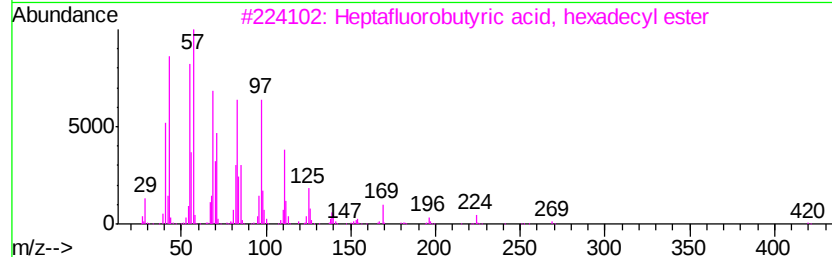
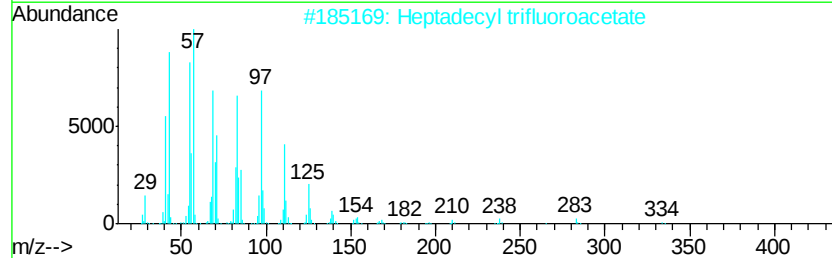
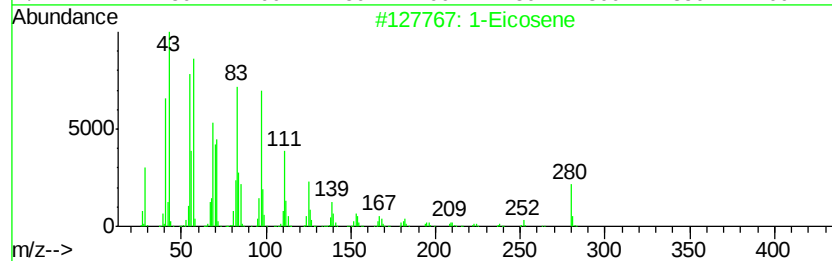
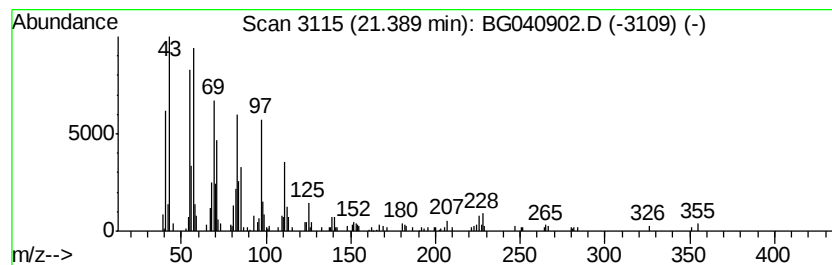
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 1-Eicosene Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 21.39     | 3.47 ng                             | 205581 | Chrysene-d12     | 21.79        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 1-Eicosene                          | 280    | C20H40           | 003452-07-1  | 93   |
| 2         | Heptadecyl trifluoroacetate         | 352    | C19H35F3O2       | 1000351-87-0 | 93   |
| 3         | Heptafluorobutyric acid, hexadec... | 438    | C20H33F7O2       | 006385-15-5  | 90   |
| 4         | Heptafluorobutyric acid, pentade... | 424    | C19H31F7O2       | 959261-23-5  | 90   |
| 5         | 1-Tricosene                         | 322    | C23H46           | 018835-32-0  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG051119\  
Data File : BG040902.D  
Acq On : 12 May 2019 10:23  
Operator : HP/JU  
Sample : K2768-11  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P026-SS015-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

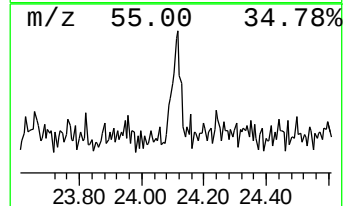
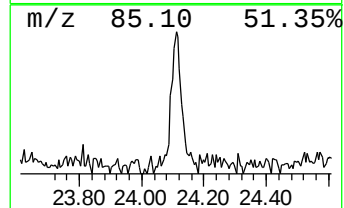
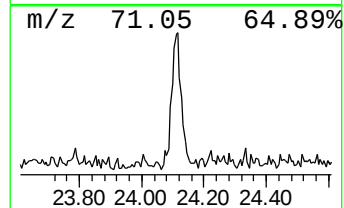
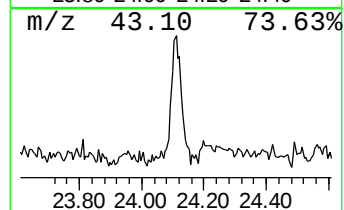
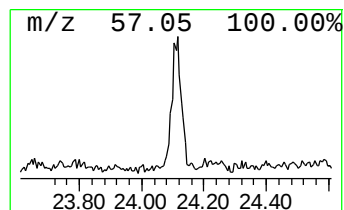
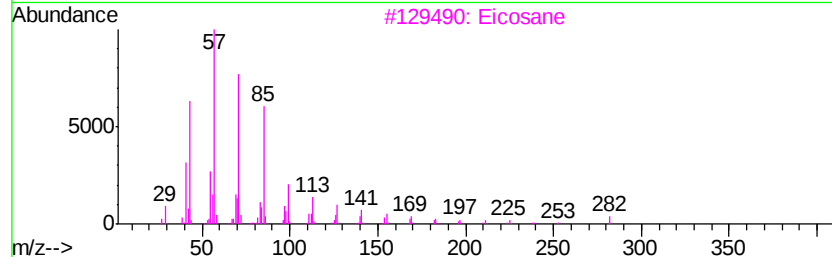
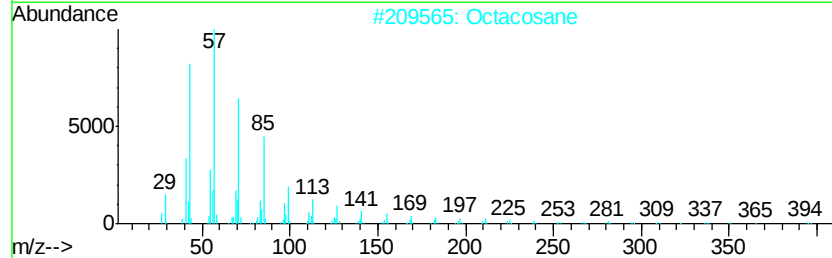
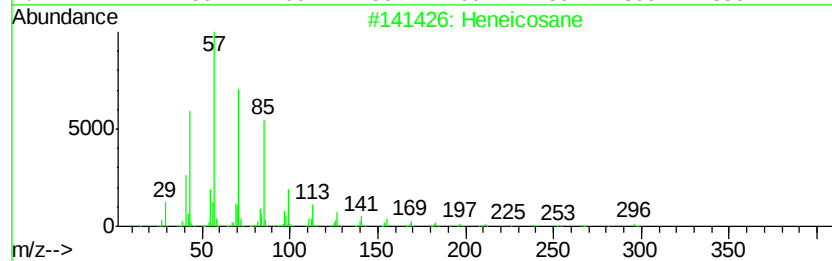
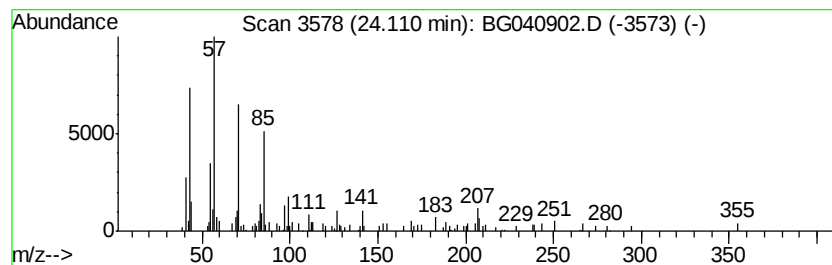
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Heneicosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 24.11 | 2.05 ng | 121226 | Perylene-d12     | 25.13 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane    | 296 | C21H44  | 000629-94-7 | 72   |
| 2    |    | Octacosane     | 394 | C28H58  | 000630-02-4 | 72   |
| 3    |    | Eicosane       | 282 | C20H42  | 000112-95-8 | 72   |
| 4    |    | Hentriacontane | 437 | C31H64  | 000630-04-6 | 72   |
| 5    |    | Heptacosane    | 380 | C27H56  | 000593-49-7 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG051119\  
Data File : BG040902.D  
Acq On : 12 May 2019 10:23  
Operator : HP/JU  
Sample : K2768-11  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P026-SS015-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.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 |
| Butane, 2-methoxy... | 3.22  | 17.2    | ng    | 295526   | 1                     | 8.13  | 344516  | 20.0 |
| unknown7.66          | 7.66  | 108.0   | ng    | 1860780  | 1                     | 8.13  | 344516  | 20.0 |
| n-Hexadecanoic acid  | 18.36 | 6.7     | ng    | 345752   | 4                     | 17.51 | 1026860 | 20.0 |
| Octadecanoic acid    | 19.62 | 2.8     | ng    | 144874   | 4                     | 17.51 | 1026860 | 20.0 |
| 1-Eicosene           | 21.39 | 3.5     | ng    | 205581   | 5                     | 21.79 | 1183580 | 20.0 |
| Heneicosane          | 24.11 | 2.0     | ng    | 121226   | 6                     | 25.13 | 1181920 | 20.0 |