

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\  
 Data File : BG042788.D  
 Acq On : 12 Sep 2019 18:56  
 Operator : HP/JU  
 Sample : K4852-10  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GIS-4(0-4)

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-BG091219.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         | 3.220       | 16            | 22          | 30           | rBV      | 213499         | 443493        | 7.93%           | 1.425%        |
| 2         | 3.296       | 30            | 35          | 47           | rVB      | 596331         | 891806        | 15.95%          | 2.866%        |
| 3         | 5.687       | 434           | 442         | 452          | rBV      | 1383196        | 2278768       | 40.75%          | 7.323%        |
| 4         | 7.268       | 702           | 711         | 723          | rBV      | 1549797        | 2723354       | 48.70%          | 8.752%        |
| 5         | 7.650       | 768           | 776         | 787          | rBV      | 1350639        | 2390981       | 42.76%          | 7.684%        |
| 6         | 8.120       | 848           | 856         | 863          | rBV      | 267791         | 458875        | 8.21%           | 1.475%        |
| 7         | 8.449       | 904           | 912         | 923          | rBV      | 977156         | 1710595       | 30.59%          | 5.497%        |
| 8         | 9.277       | 1044          | 1053        | 1061         | rBV      | 864497         | 1524535       | 27.26%          | 4.899%        |
| 9         | 10.928      | 1326          | 1334        | 1344         | rBV      | 347183         | 626540        | 11.20%          | 2.013%        |
| 10        | 13.367      | 1742          | 1749        | 1758         | rVB      | 2064626        | 3260416       | 58.30%          | 10.477%       |
| 11        | 14.183      | 1880          | 1888        | 1894         | rBV      | 269060         | 387564        | 6.93%           | 1.245%        |
| 12        | 14.736      | 1973          | 1982        | 1993         | rBV2     | 548216         | 885361        | 15.83%          | 2.845%        |
| 13        | 16.216      | 2227          | 2234        | 2248         | rBV      | 1791431        | 2814398       | 50.33%          | 9.044%        |
| 14        | 17.480      | 2442          | 2449        | 2461         | rVB      | 753197         | 1134920       | 20.29%          | 3.647%        |
| 15        | 18.373      | 2593          | 2601        | 2609         | rBV2     | 111081         | 181728        | 3.25%           | 0.584%        |
| 16        | 20.088      | 2887          | 2893        | 2900         | rVB      | 4185962        | 5592219       | 100.00%         | 17.971%       |
| 17        | 21.410      | 3113          | 3118        | 3127         | rBV      | 243727         | 389483        | 6.96%           | 1.252%        |
| 18        | 21.757      | 3170          | 3177        | 3185         | rVB2     | 824224         | 1373363       | 24.56%          | 4.413%        |
| 19        | 21.986      | 3212          | 3216        | 3222         | rVB3     | 40040          | 60349         | 1.08%           | 0.194%        |
| 20        | 22.621      | 3318          | 3324        | 3331         | rBV2     | 63223          | 123582        | 2.21%           | 0.397%        |
| 21        | 23.337      | 3439          | 3446        | 3457         | rBV2     | 63899          | 138758        | 2.48%           | 0.446%        |
| 22        | 24.172      | 3582          | 3588        | 3596         | rBV3     | 59464          | 136037        | 2.43%           | 0.437%        |
| 23        | 25.029      | 3724          | 3734        | 3746         | rVB2     | 492443         | 1369093       | 24.48%          | 4.400%        |
| 24        | 25.165      | 3749          | 3757        | 3766         | rVB2     | 49666          | 137193        | 2.45%           | 0.441%        |
| 25        | 26.334      | 3952          | 3956        | 3967         | rVB5     | 30354          | 84888         | 1.52%           | 0.273%        |

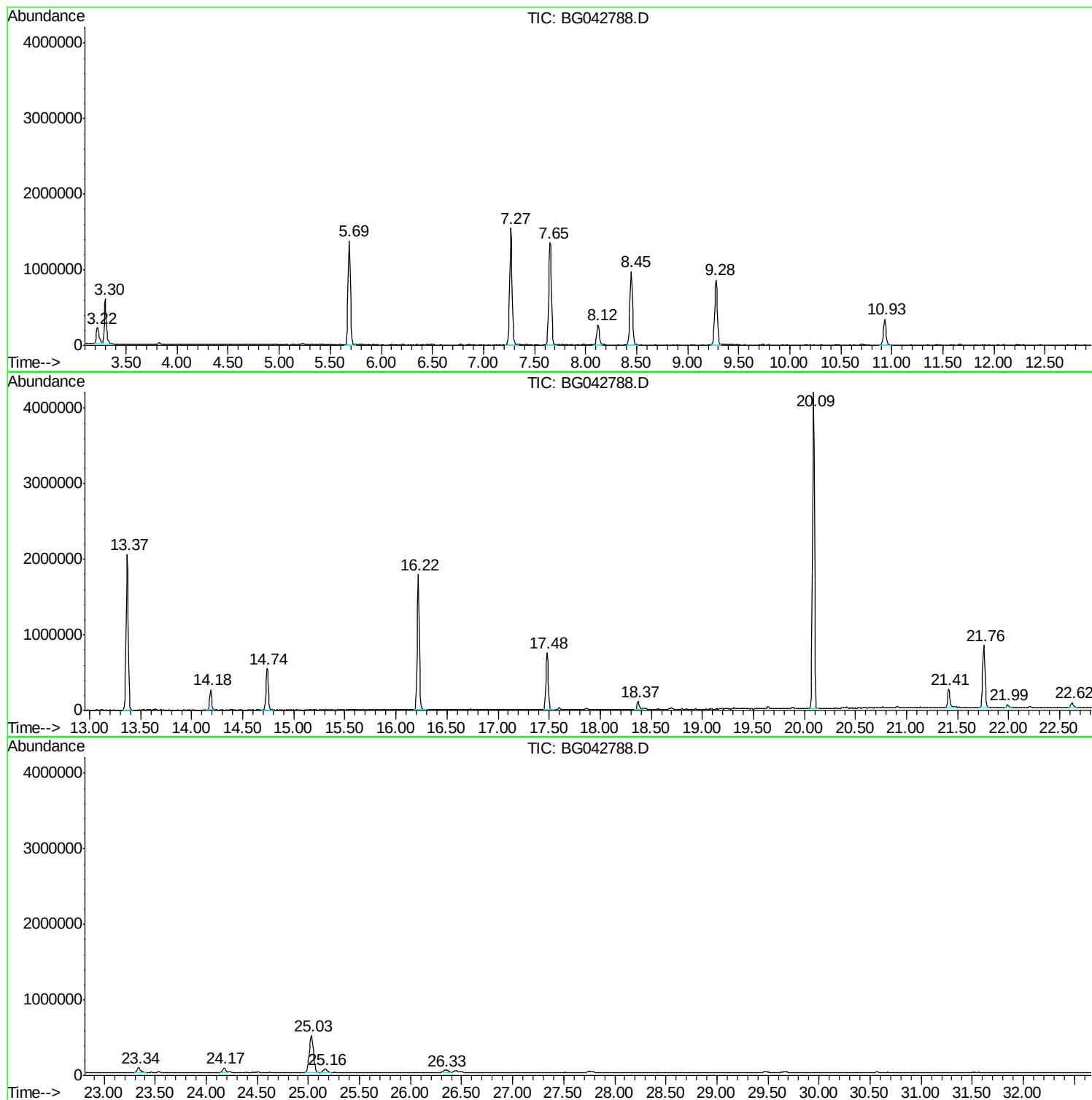
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BNA\_G  
ClientSampleId :  
GIS-4(0-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.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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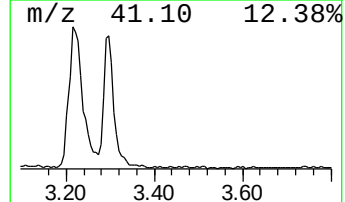
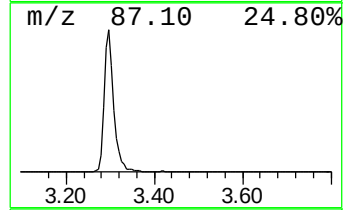
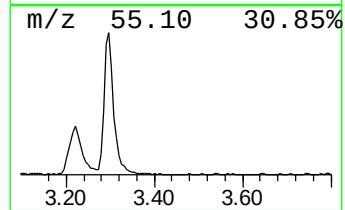
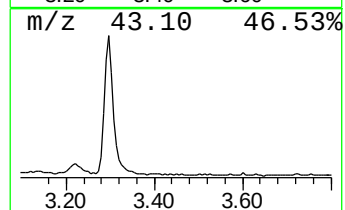
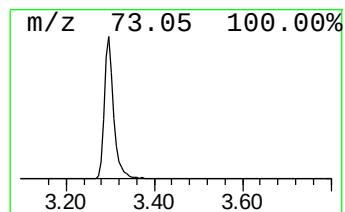
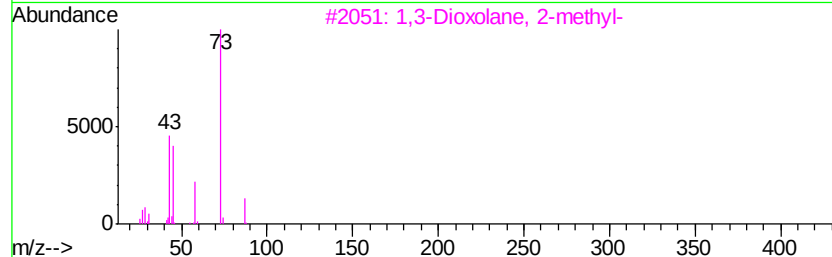
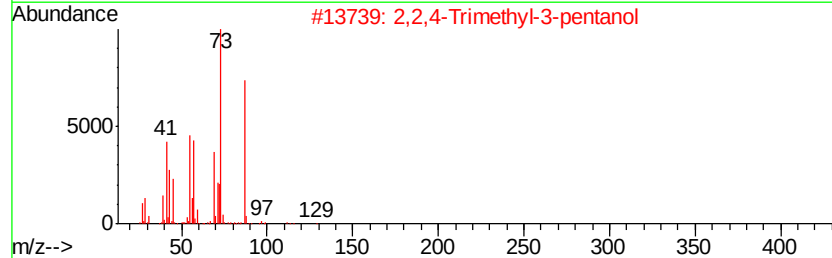
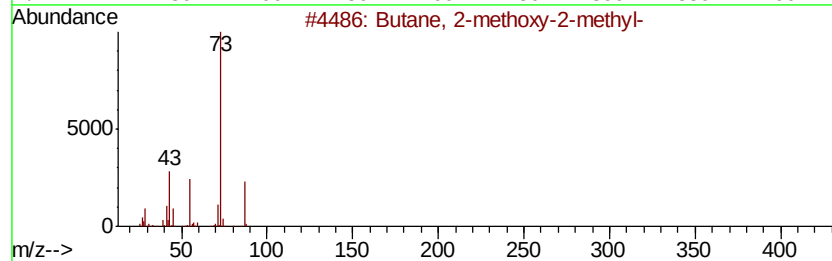
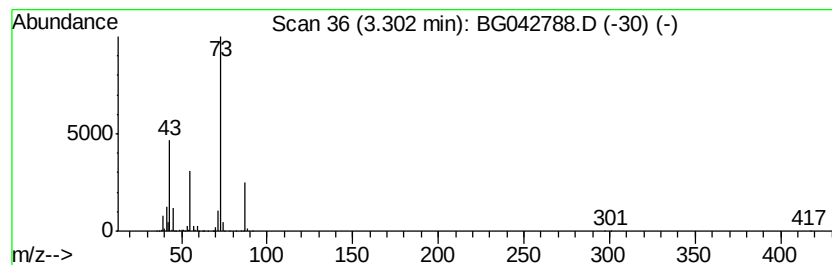
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.30 | 38.87 ng | 891806 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------|-----|---------|-------------|------|
| 1       |   | 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       |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 28   |
| 4       |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 25   |
| 5       |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |



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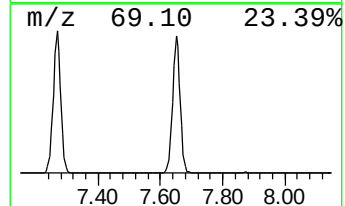
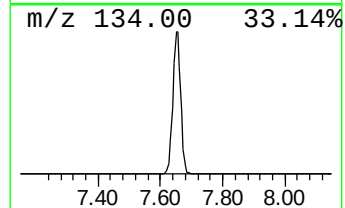
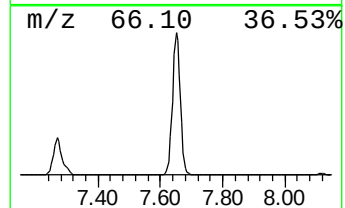
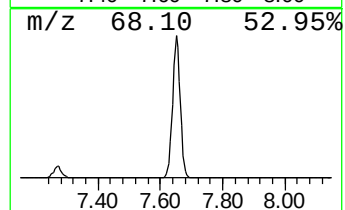
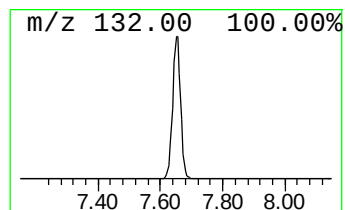
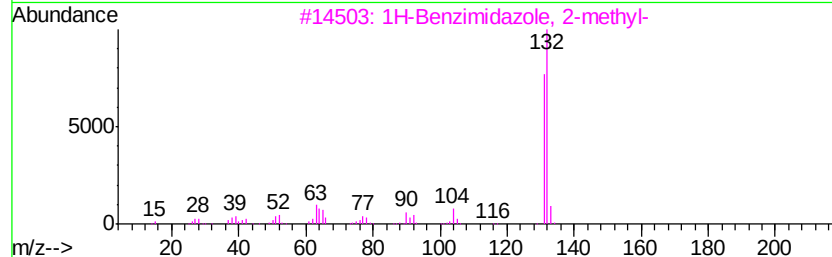
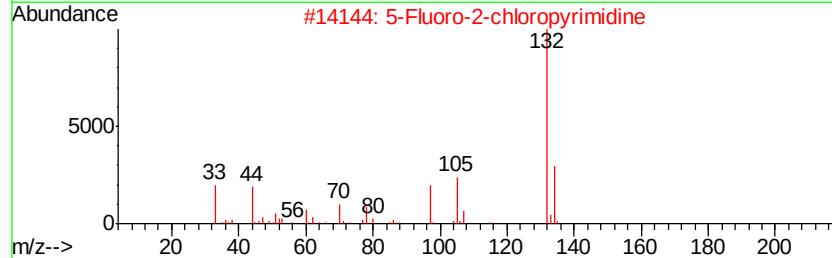
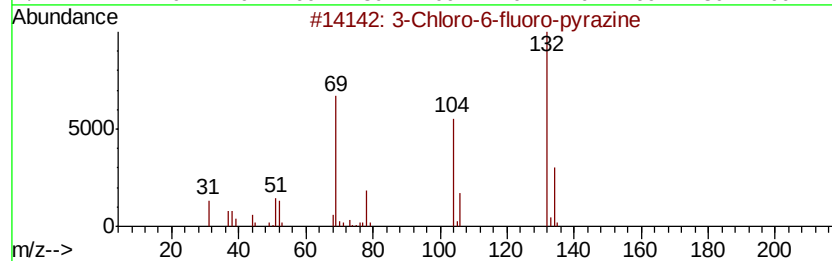
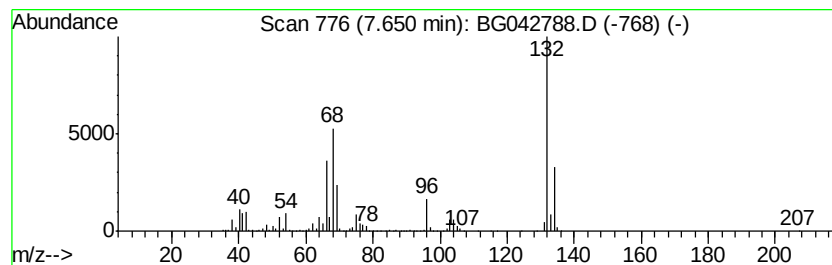
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown7.65 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.65 | 104.21 ng | 2390980 | 1,4-Dichlorobenzene-d4 | 8.12 |

| 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  | 27   |
| 3    |    | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Aminoindole               | 132 | C8H8N2    | 005192-03-0  | 22   |
| 5    |    | Tranylcypromine-propionyl   | 189 | C12H15NO  | 1000123-86-3 | 22   |



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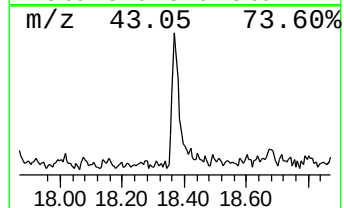
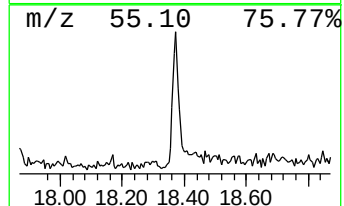
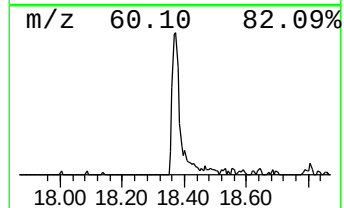
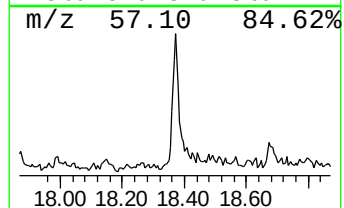
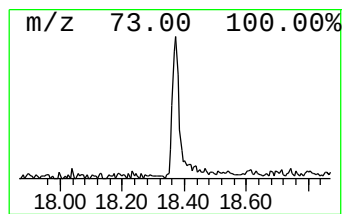
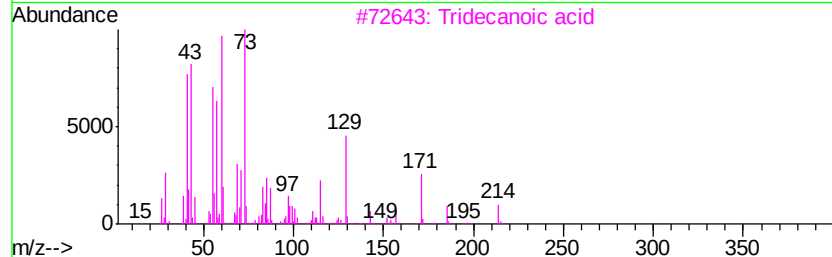
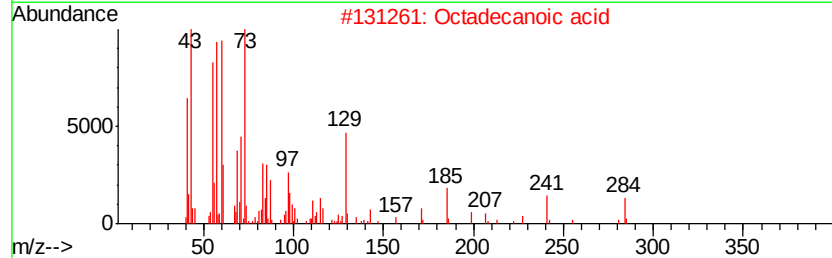
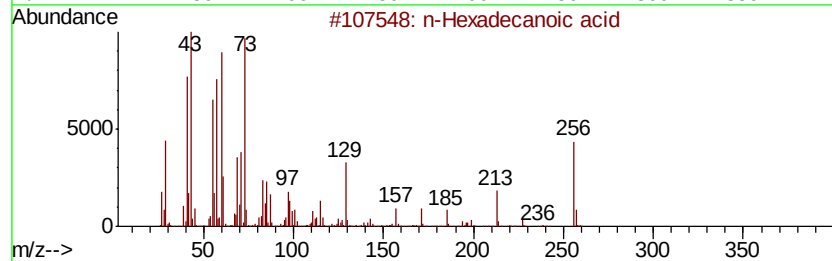
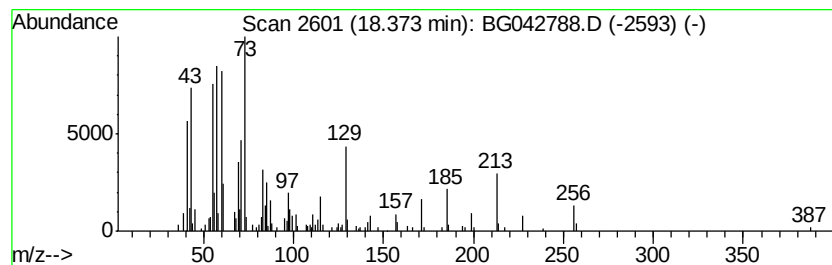
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.37 | 3.20 ng | 181728 | Phenanthrene-d10 | 17.48 |

| Hit# of 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|-----------|---------------------|-----|----------|-------------|------|
| 1         | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95   |
| 2         | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 87   |
| 3         | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 86   |
| 4         | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 5         | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 72   |



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 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

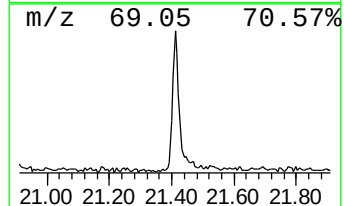
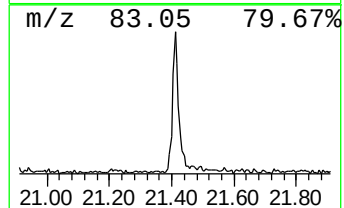
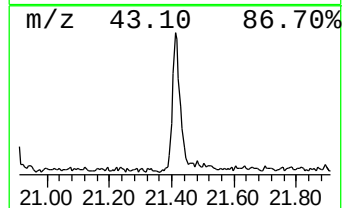
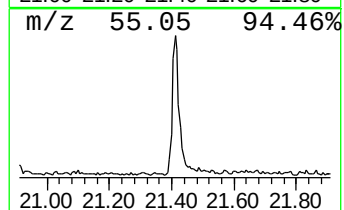
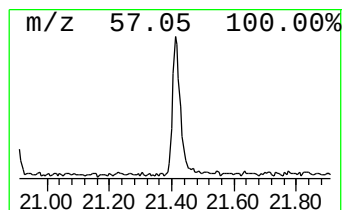
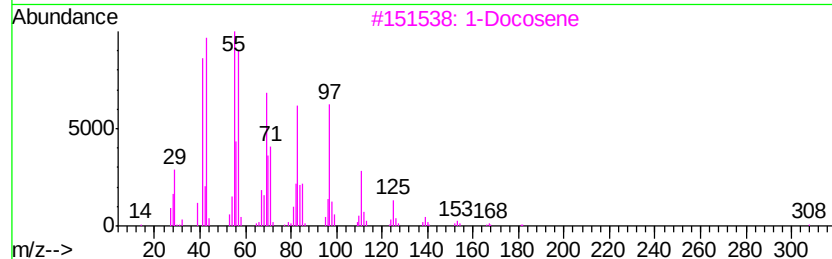
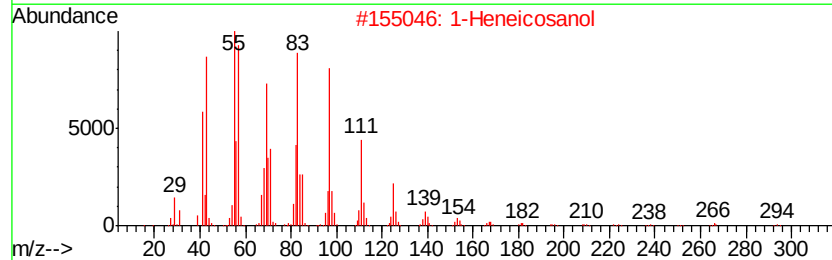
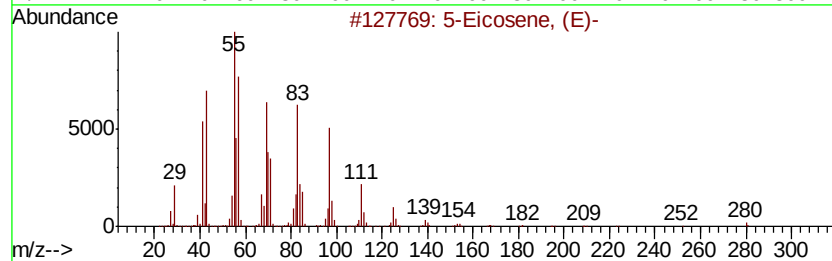
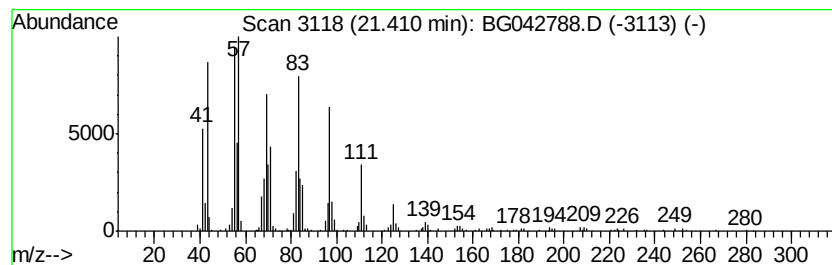
Instrument :  
 BNA\_G  
 ClientSampleId :  
 GIS-4(0-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
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 Peak Number 6 5-Eicosene, (E)- Concentration Rank 5

| R.T.  | EstConc                     | Area   | Relative to ISTD |     | R.T.       |             |      |
|-------|-----------------------------|--------|------------------|-----|------------|-------------|------|
| 21.41 | 5.67 ng                     | 389483 | Chrysene-d12     |     | 21.76      |             |      |
| Hit#  | of                          | 5      | Tentative ID     | MW  | MolForm    | CAS#        | Qual |
| 1     | 5-Eicosene, (E)-            |        |                  | 280 | C20H40     | 074685-30-6 | 98   |
| 2     | 1-Heneicosanol              |        |                  | 312 | C21H44O    | 015594-90-8 | 94   |
| 3     | 1-Docosene                  |        |                  | 308 | C22H44     | 001599-67-3 | 94   |
| 4     | n-Tetracosanol-1            |        |                  | 354 | C24H50O    | 000506-51-4 | 91   |
| 5     | Trifluoroacetoxy hexadecane |        |                  | 338 | C18H33F3O2 | 006222-03-3 | 91   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

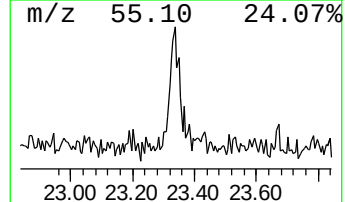
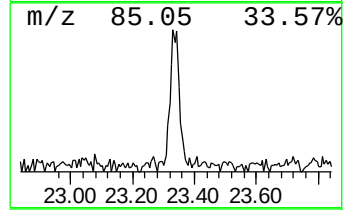
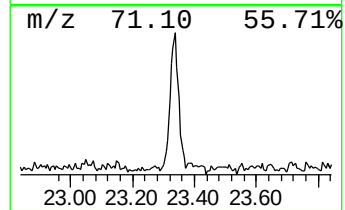
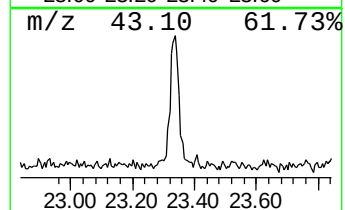
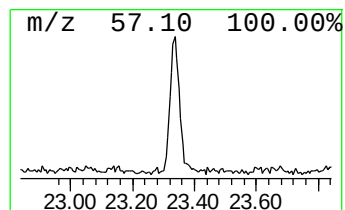
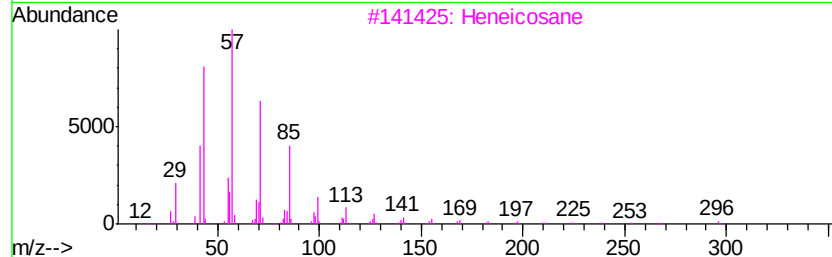
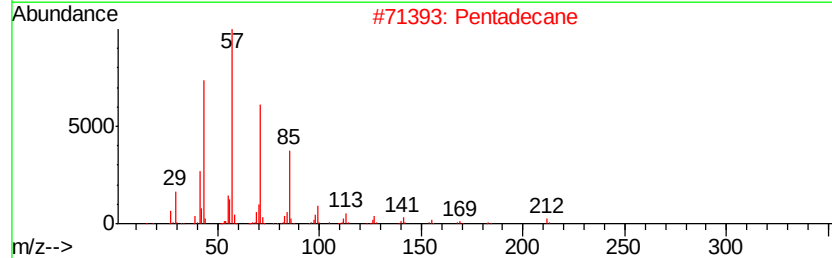
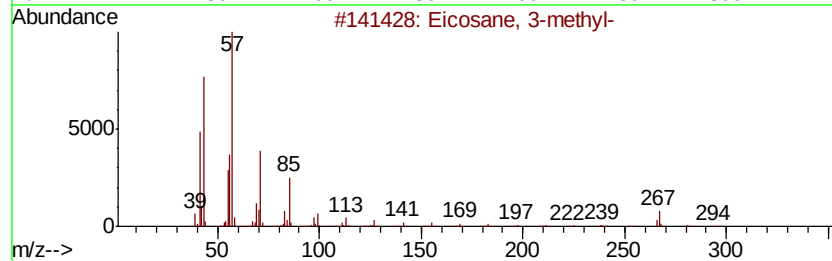
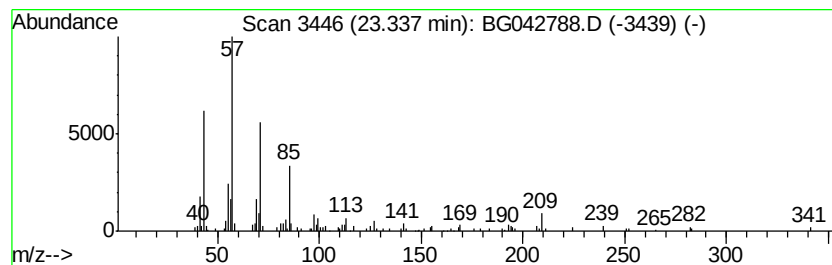
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Eicosane, 3-methyl- Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.34 | 2.02 ng | 138758 | Chrysene-d12     | 21.76 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane, 3-methyl- | 296 | C21H44  | 006418-46-8 | 72   |
| 2    |    | Pentadecane         | 212 | C15H32  | 000629-62-9 | 72   |
| 3    |    | Heneicosane         | 296 | C21H44  | 000629-94-7 | 72   |
| 4    |    | Eicosane, 2-methyl- | 296 | C21H44  | 001560-84-5 | 72   |
| 5    |    | Eicosane            | 282 | C20H42  | 000112-95-8 | 70   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\  
Data File : BG042788.D  
Acq On : 12 Sep 2019 18:56  
Operator : HP/JU  
Sample : K4852-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

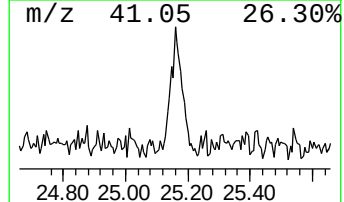
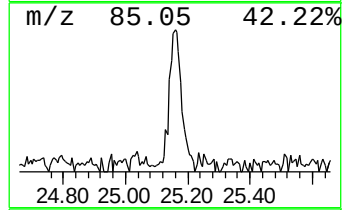
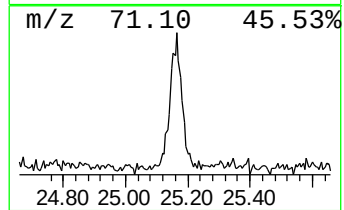
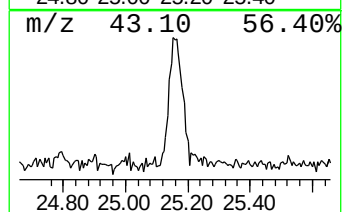
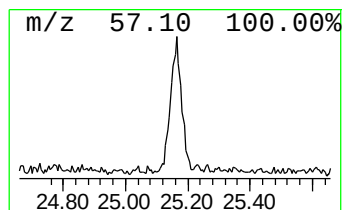
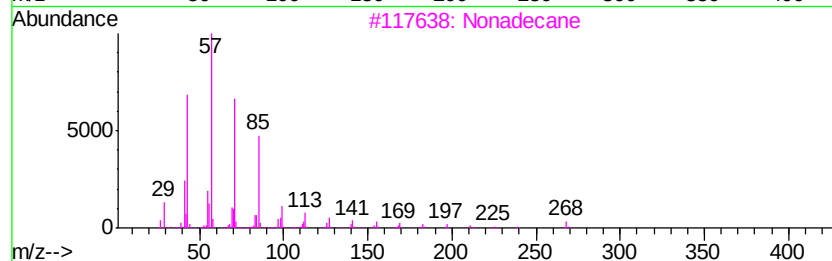
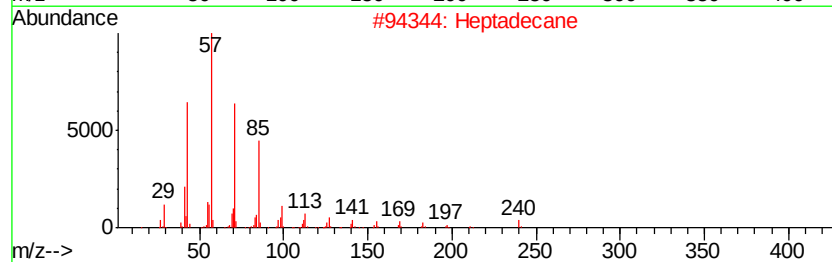
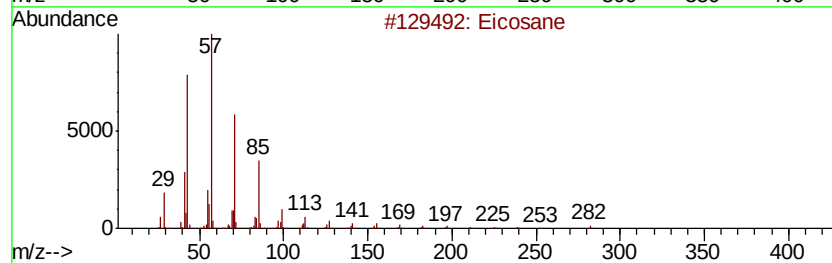
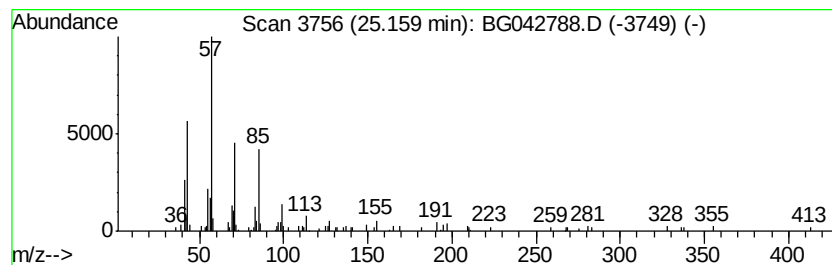
Instrument :  
BNA\_G  
ClientSampleId :  
GIS-4(0-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Eicosane Concentration Rank 8

| R.T.    | EstConc     | Area         | Relative to ISTD | R.T.      |
|---------|-------------|--------------|------------------|-----------|
| 25.16   | 2.00 ng     | 137193       | Perylene-d12     | 25.03     |
| Hit# of | 5           | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Eicosane    | 282 C20H42   | 000112-95-8      | 87        |
| 2       | Heptadecane | 240 C17H36   | 000629-78-7      | 80        |
| 3       | Nonadecane  | 268 C19H40   | 000629-92-5      | 80        |
| 4       | Tetracosane | 338 C24H50   | 000646-31-1      | 80        |
| 5       | Hexadecane  | 226 C16H34   | 000544-76-3      | 80        |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG091219\  
Data File : BG042788.D  
Acq On : 12 Sep 2019 18:56  
Operator : HP/JU  
Sample : K4852-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
GIS-4(0-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG091219.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... | 3.30  | 38.9    | ng    | 891806   | 1                     | 8.12  | 458875  | 20.0 |
| unknown7.65          | 7.65  | 104.2   | ng    | 2390980  | 1                     | 8.12  | 458875  | 20.0 |
| n-Hexadecanoic acid  | 18.37 | 3.2     | ng    | 181728   | 4                     | 17.48 | 1134920 | 20.0 |
| 5-Eicosene, (E)-     | 21.41 | 5.7     | ng    | 389483   | 5                     | 21.76 | 1373360 | 20.0 |
| Eicosane, 3-methyl-  | 23.34 | 2.0     | ng    | 138758   | 5                     | 21.76 | 1373360 | 20.0 |
| Eicosane             | 25.16 | 2.0     | ng    | 137193   | 6                     | 25.03 | 1369090 | 20.0 |