

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG042919\  
 Data File : BG040662.D  
 Acq On : 29 Apr 2019 15:25  
 Operator : JU/SJ  
 Sample : K2576-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3

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:\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         | 3.160       | 6             | 12          | 21           | rBV      | 379601         | 689367        | 13.31%          | 2.943%        |
| 2         | 3.237       | 21            | 25          | 34           | rVB      | 111553         | 156889        | 3.03%           | 0.670%        |
| 3         | 5.681       | 434           | 441         | 450          | rBV      | 618968         | 960362        | 18.55%          | 4.100%        |
| 4         | 7.285       | 706           | 714         | 723          | rBV      | 453428         | 757089        | 14.62%          | 3.232%        |
| 5         | 7.673       | 772           | 780         | 788          | rBV      | 1011685        | 1730275       | 33.42%          | 7.386%        |
| 6         | 8.148       | 855           | 861         | 870          | rVB      | 199687         | 343961        | 6.64%           | 1.468%        |
| 7         | 8.477       | 909           | 917         | 924          | rVB      | 745505         | 1309407       | 25.29%          | 5.590%        |
| 8         | 9.329       | 1053          | 1062        | 1072         | rBV      | 807255         | 1398631       | 27.01%          | 5.971%        |
| 9         | 10.975      | 1335          | 1342        | 1351         | rVB      | 280675         | 503655        | 9.73%           | 2.150%        |
| 10        | 13.407      | 1743          | 1756        | 1765         | rBV      | 2015867        | 3148418       | 60.81%          | 13.440%       |
| 11        | 14.782      | 1983          | 1990        | 2001         | rVB2     | 481291         | 783673        | 15.14%          | 3.345%        |
| 12        | 16.262      | 2235          | 2242        | 2254         | rBV      | 1888490        | 2944743       | 56.88%          | 12.571%       |
| 13        | 17.526      | 2450          | 2457        | 2466         | rVB2     | 686685         | 1032351       | 19.94%          | 4.407%        |
| 14        | 18.378      | 2598          | 2602        | 2607         | rBV2     | 76087          | 106970        | 2.07%           | 0.457%        |
| 15        | 19.647      | 2814          | 2818        | 2823         | rBV      | 87979          | 125045        | 2.42%           | 0.534%        |
| 16        | 20.123      | 2893          | 2899        | 2912         | rVB      | 4032997        | 5177498       | 100.00%         | 22.102%       |
| 17        | 21.809      | 3180          | 3186        | 3196         | rVB      | 676274         | 1114224       | 21.52%          | 4.757%        |
| 18        | 25.176      | 3748          | 3759        | 3771         | rBV3     | 390683         | 1142725       | 22.07%          | 4.878%        |

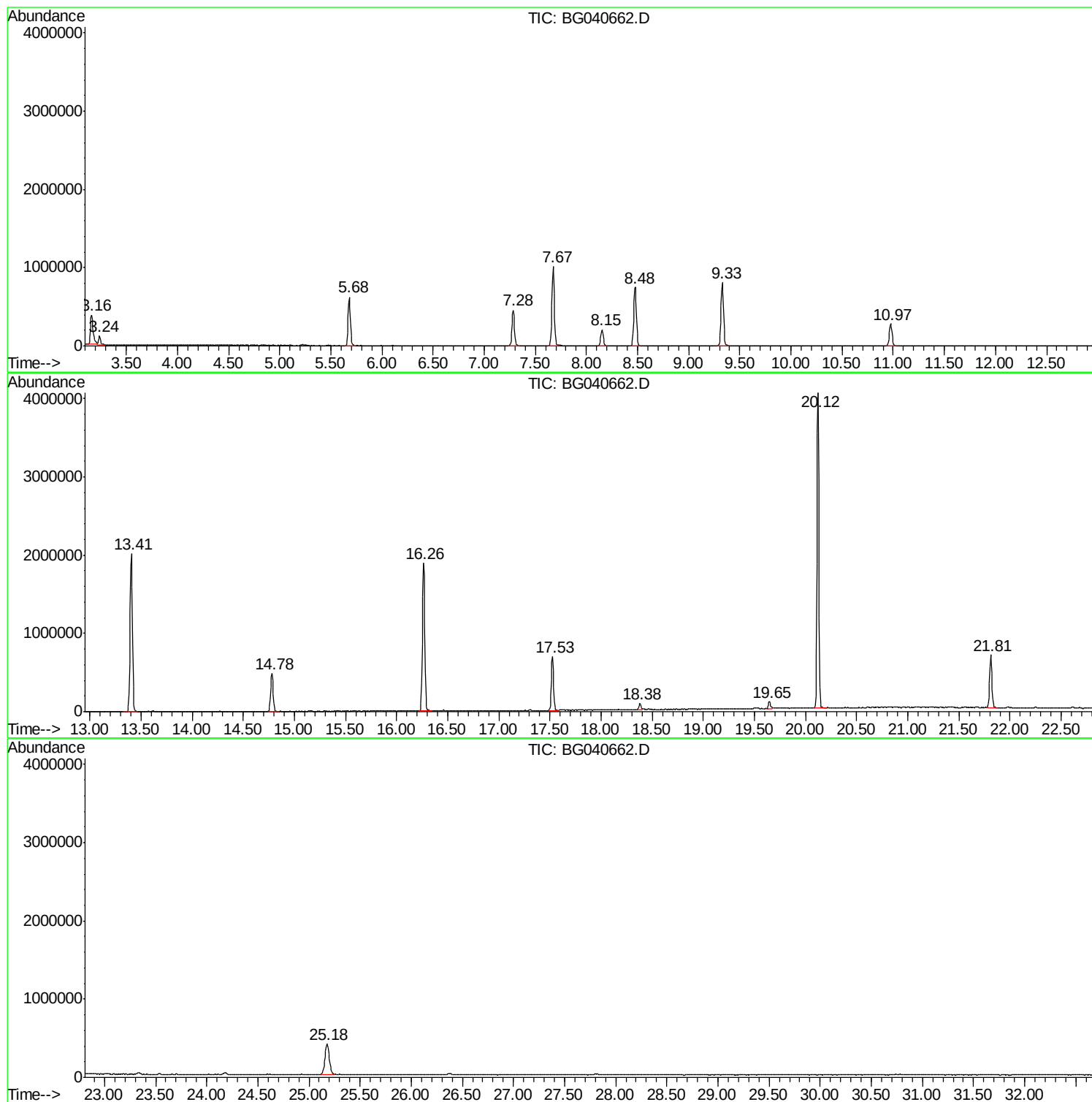
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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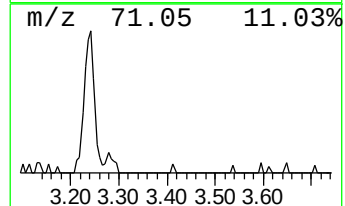
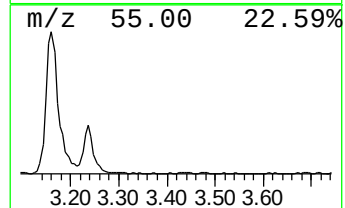
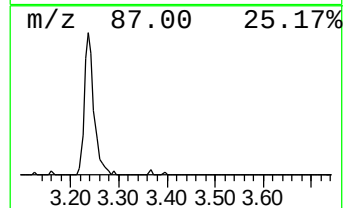
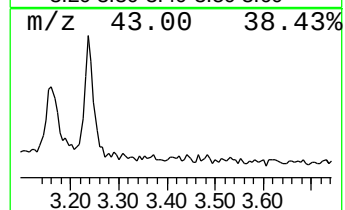
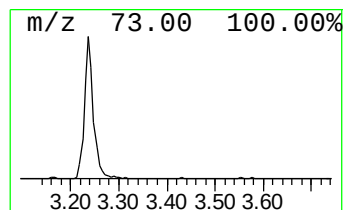
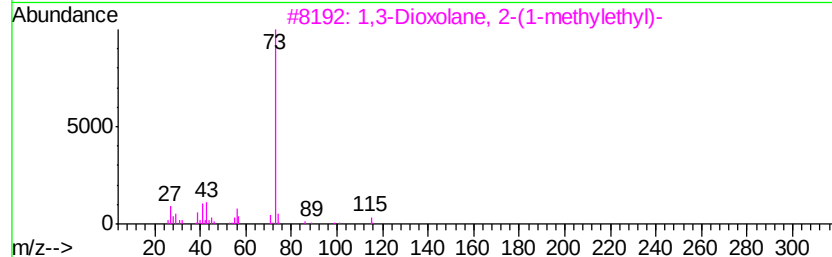
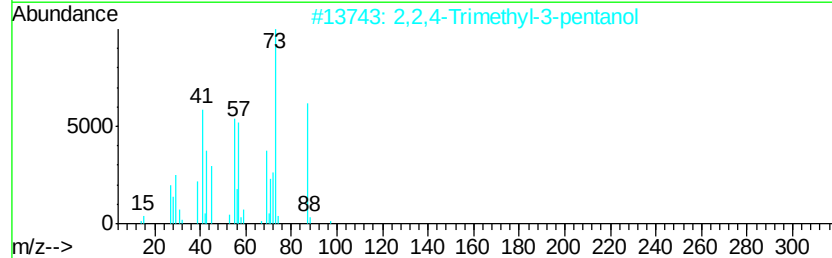
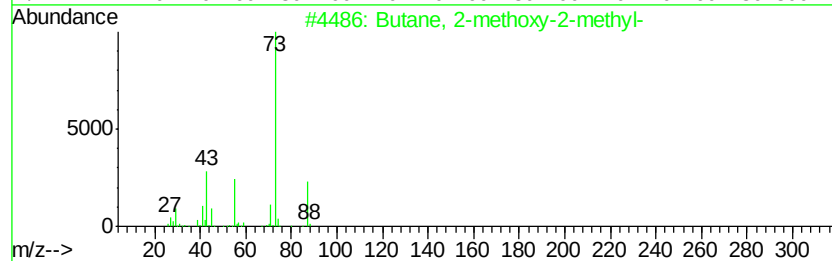
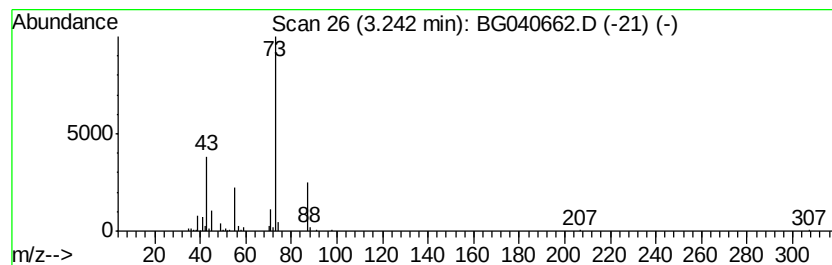
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 3.24 | 9.12 ng | 156889 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl-       | 102 | C6H14O  | 000994-05-8 | 56   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol        | 130 | C8H18O  | 005162-48-1 | 38   |
| 3    |    | 1,3-Dioxolane, 2-(1-methylethyl)- | 116 | C6H12O2 | 000822-83-3 | 25   |
| 4    |    | 1,4-Butanediamine                 | 88  | C4H12N2 | 000110-60-1 | 9    |
| 5    |    | Silane, tetramethyl-              | 88  | C4H12Si | 000075-76-3 | 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

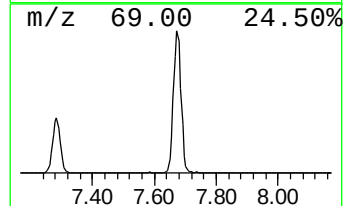
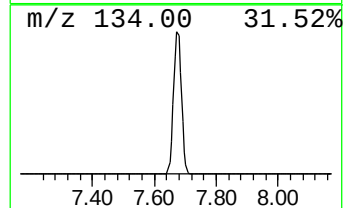
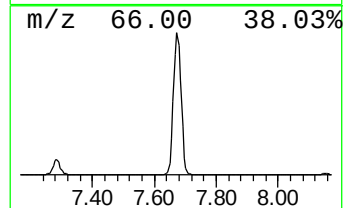
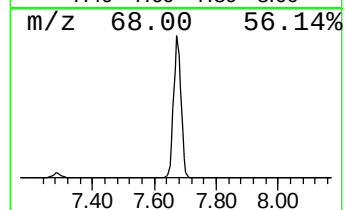
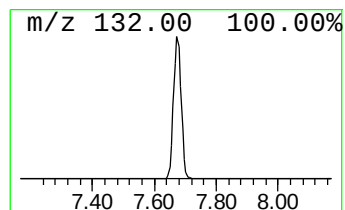
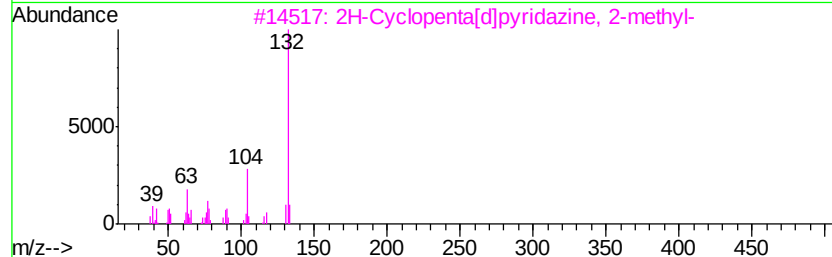
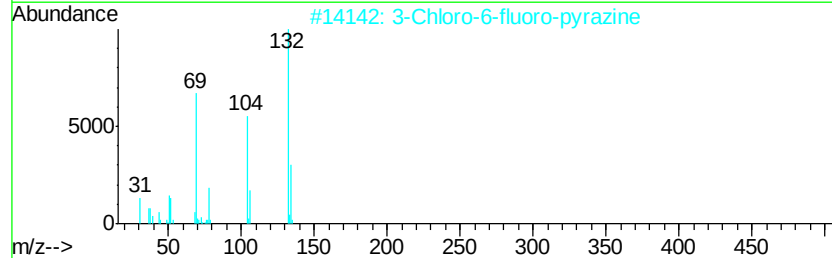
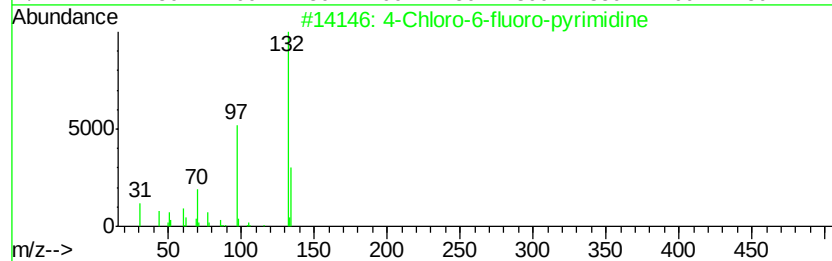
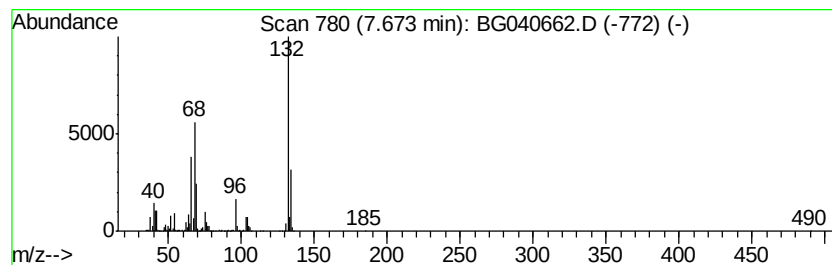
TIC Library : C:\Database\NIST11.L  
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Peak Number 3 unknown7.67 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.67 | 100.61 ng | 1730280 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 22   |
| 4    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 22   |
| 5    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 22   |



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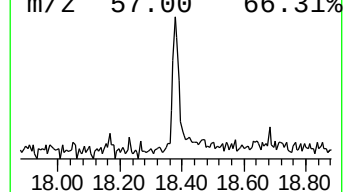
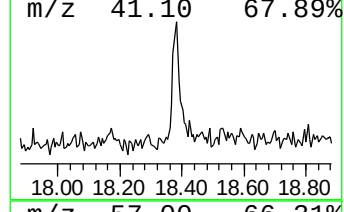
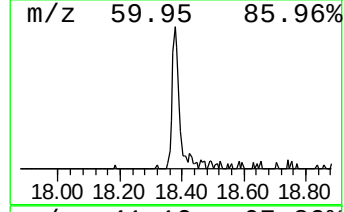
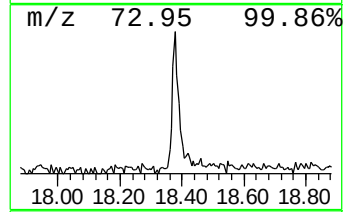
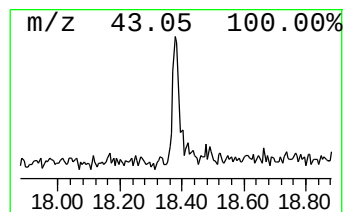
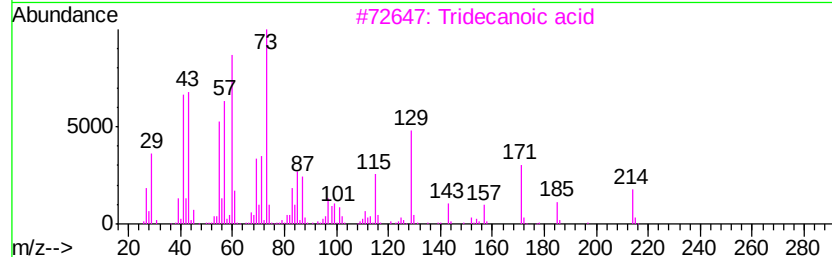
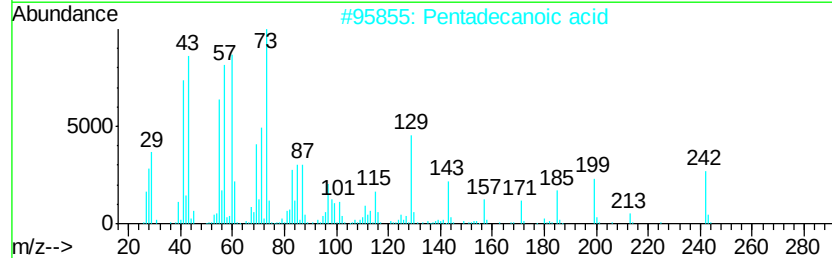
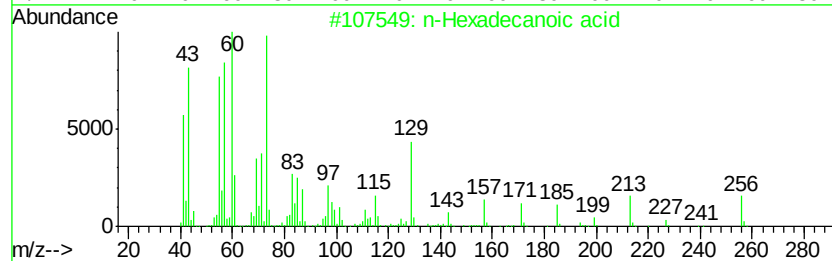
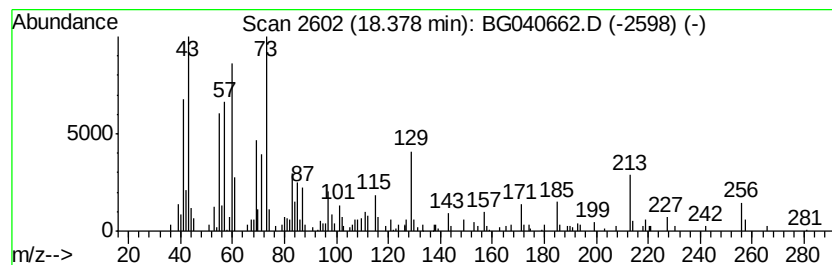
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.38 | 2.07 ng | 106970 | Phenanthrene-d10 | 17.53 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 2       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 91   |
| 3       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 89   |
| 4       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 80   |
| 5       |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 76   |



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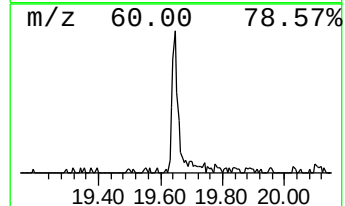
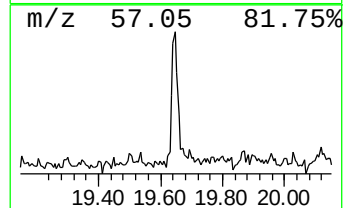
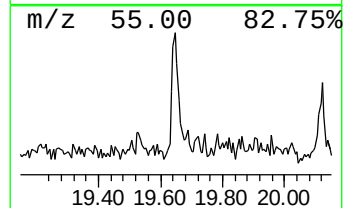
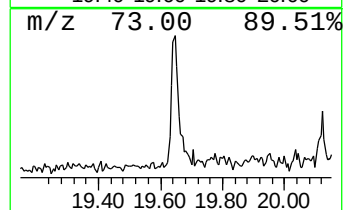
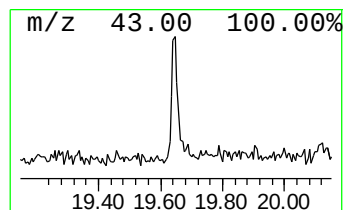
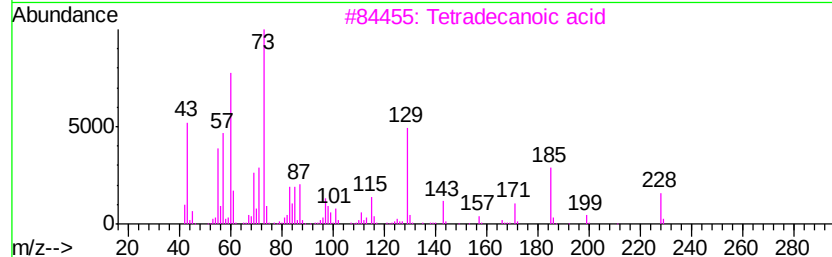
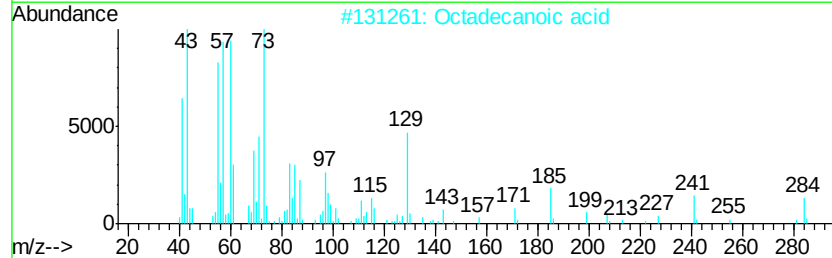
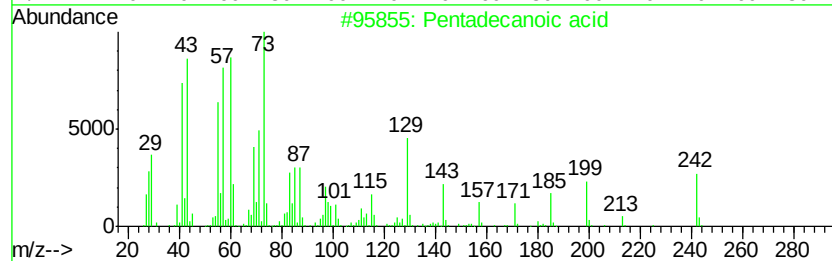
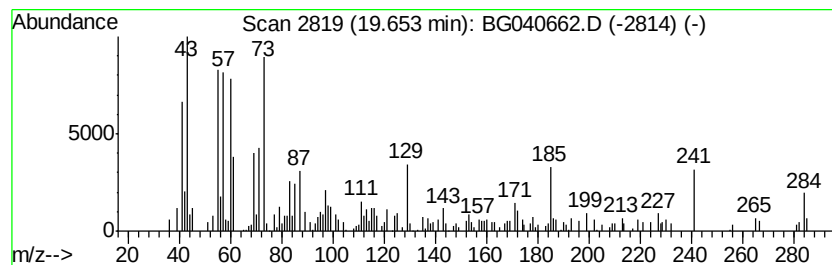
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
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Peak Number 6 Pentadecanoic acid Concentration Rank 5

| R.T.      | EstConc            | Area   | Relative to ISTD |             | R.T.  |
|-----------|--------------------|--------|------------------|-------------|-------|
| 19.65     | 2.42 ng            | 125045 | Phenanthrene-d10 |             | 17.53 |
| Hit# of 5 | Tentative ID       | MW     | MolForm          | CAS#        | Qual  |
| 1         | Pentadecanoic acid | 242    | C15H30O2         | 001002-84-2 | 86    |
| 2         | Octadecanoic acid  | 284    | C18H36O2         | 000057-11-4 | 81    |
| 3         | Tetradecanoic acid | 228    | C14H28O2         | 000544-63-8 | 64    |
| 4         | Undecanoic acid    | 186    | C11H22O2         | 000112-37-8 | 55    |
| 5         | n-Decanoic acid    | 172    | C10H20O2         | 000334-48-5 | 49    |



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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... | 3.24  | 9.1     | ng    | 156889   | 1                     | 8.15  | 343961  | 20.0 |
| unknown7.67          | 7.67  | 100.6   | ng    | 1730280  | 1                     | 8.15  | 343961  | 20.0 |
| n-Hexadecanoic acid  | 18.38 | 2.1     | ng    | 106970   | 4                     | 17.53 | 1032350 | 20.0 |
| Pentadecanoic acid   | 19.65 | 2.4     | ng    | 125045   | 4                     | 17.53 | 1032350 | 20.0 |