

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032819\  
 Data File : BG040205.D  
 Acq On : 28 Mar 2019 18:24  
 Operator : JU/SJ  
 Sample : K2107-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

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-BG032719.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.141    | 3          | 9        | 17        | rBV   | 167355      | 333897     | 8.24%        | 1.429%     |
| 2      | 3.211    | 17         | 21       | 34        | rVB   | 160867      | 241190     | 5.96%        | 1.032%     |
| 3      | 4.234    | 190        | 195      | 202       | rVB   | 34657       | 53528      | 1.32%        | 0.229%     |
| 4      | 5.620    | 424        | 431      | 451       | rVB   | 1113923     | 1798789    | 44.41%       | 7.699%     |
| 5      | 7.224    | 696        | 704      | 714       | rBV   | 1161217     | 1993962    | 49.23%       | 8.534%     |
| 6      | 7.600    | 759        | 768      | 780       | rBV   | 1102623     | 1916319    | 47.31%       | 8.202%     |
| 7      | 8.070    | 841        | 848      | 864       | rVB   | 210552      | 368460     | 9.10%        | 1.577%     |
| 8      | 8.388    | 895        | 902      | 913       | rBV   | 735306      | 1300902    | 32.12%       | 5.568%     |
| 9      | 9.245    | 1038       | 1048     | 1060      | rBV   | 669259      | 1196048    | 29.53%       | 5.119%     |
| 10     | 10.885   | 1319       | 1327     | 1337      | rBV   | 283059      | 501708     | 12.39%       | 2.147%     |
| 11     | 13.317   | 1733       | 1741     | 1750      | rBV   | 1523778     | 2431269    | 60.03%       | 10.406%    |
| 12     | 14.146   | 1875       | 1882     | 1888      | rBV   | 82494       | 122400     | 3.02%        | 0.524%     |
| 13     | 14.698   | 1969       | 1976     | 1984      | rBV2  | 428664      | 707569     | 17.47%       | 3.028%     |
| 14     | 16.190   | 2223       | 2230     | 2243      | rBV   | 1420018     | 2178034    | 53.78%       | 9.322%     |
| 15     | 17.448   | 2437       | 2444     | 2451      | rBV   | 617082      | 943547     | 23.30%       | 4.038%     |
| 16     | 18.300   | 2584       | 2589     | 2600      | rBV2  | 53057       | 98384      | 2.43%        | 0.421%     |
| 17     | 20.045   | 2880       | 2886     | 2892      | rBV   | 3151413     | 4050137    | 100.00%      | 17.334%    |
| 18     | 21.325   | 3098       | 3104     | 3120      | rBV3  | 130165      | 381267     | 9.41%        | 1.632%     |
| 19     | 21.719   | 3164       | 3171     | 3183      | rVB   | 684649      | 1155721    | 28.54%       | 4.946%     |
| 20     | 21.866   | 3190       | 3196     | 3201      | rVB2  | 30750       | 42894      | 1.06%        | 0.184%     |
| 21     | 22.477   | 3294       | 3300     | 3305      | rBV3  | 33924       | 60321      | 1.49%        | 0.258%     |
| 22     | 23.176   | 3413       | 3419     | 3425      | rBV2  | 40862       | 76801      | 1.90%        | 0.329%     |
| 23     | 23.993   | 3550       | 3558     | 3565      | rBV3  | 42840       | 104107     | 2.57%        | 0.446%     |
| 24     | 24.956   | 3714       | 3722     | 3723      | rBV4  | 40371       | 70825      | 1.75%        | 0.303%     |
| 25     | 25.021   | 3724       | 3733     | 3746      | rVB2  | 387618      | 1148642    | 28.36%       | 4.916%     |
| 26     | 26.108   | 3909       | 3918     | 3926      | rVB7  | 29796       | 88001      | 2.17%        | 0.377%     |

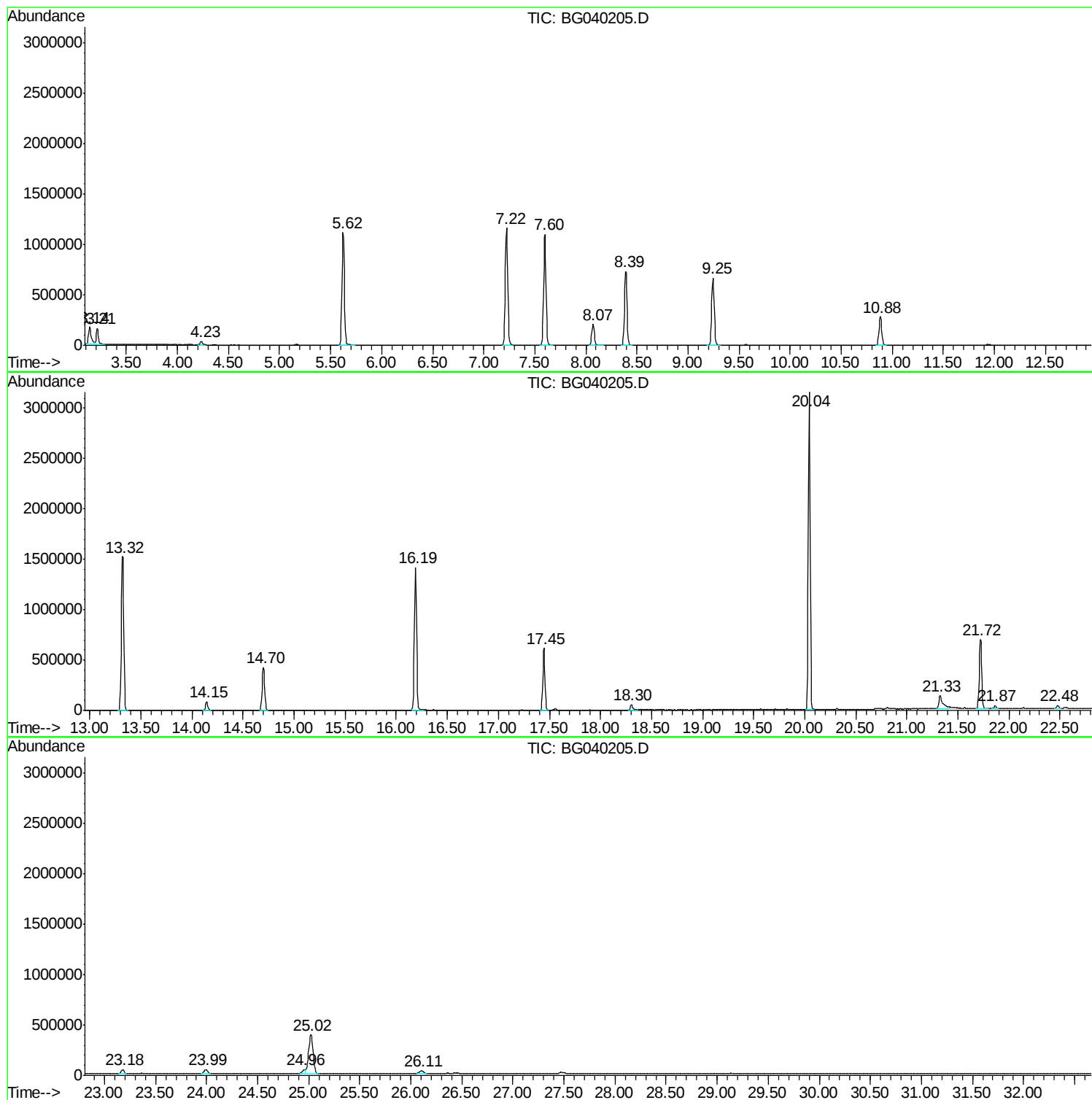
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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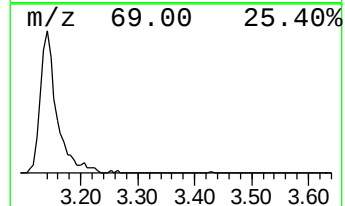
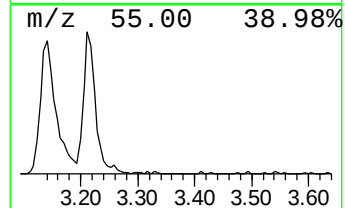
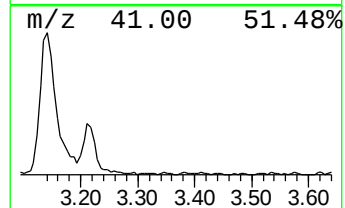
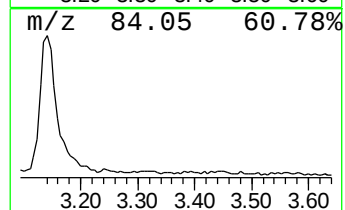
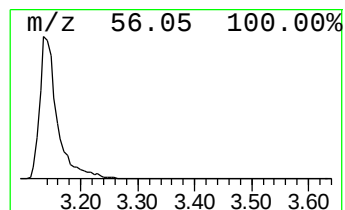
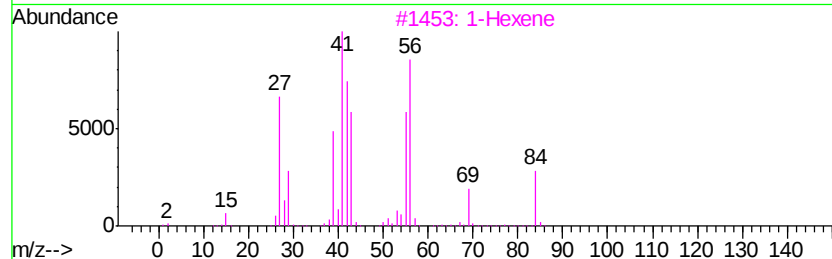
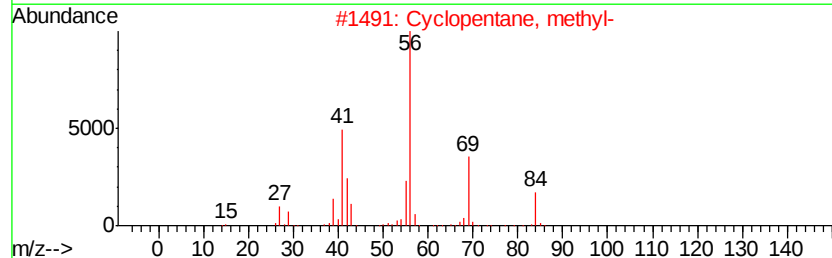
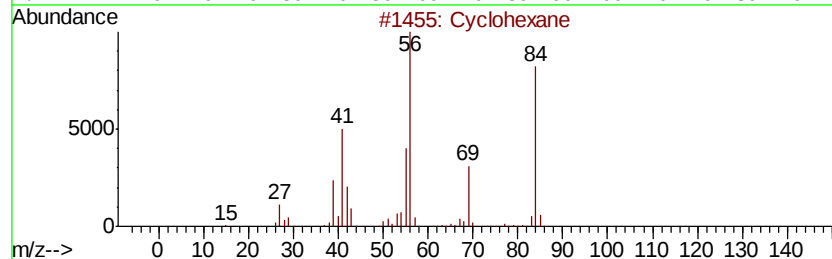
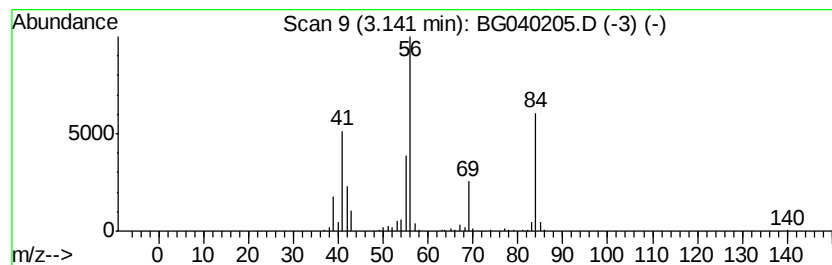
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Cyclopentane, methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.14 | 18.12 ng | 333897 | 1,4-Dichlorobenzene-d4 | 8.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane                         | 84  | C6H12   | 000110-82-7 | 91   |
| 2    |    | Cyclopentane, methyl-               | 84  | C6H12   | 000096-37-7 | 72   |
| 3    |    | 1-Hexene                            | 84  | C6H12   | 000592-41-6 | 59   |
| 4    |    | 1-Pentene, 2-methyl-                | 84  | C6H12   | 000763-29-1 | 50   |
| 5    |    | Cyclobutanecarbonitrile, 3,3-dim... | 109 | C7H11N  | 053783-86-1 | 43   |



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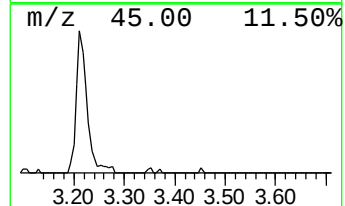
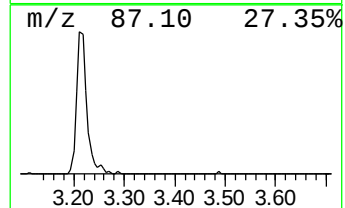
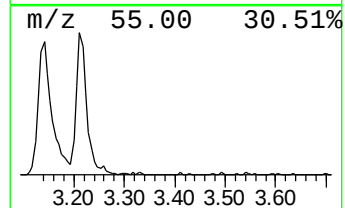
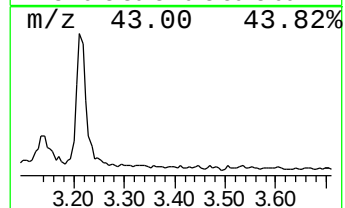
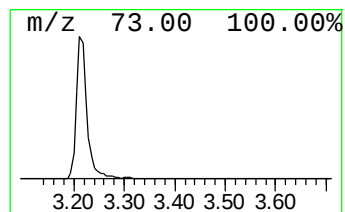
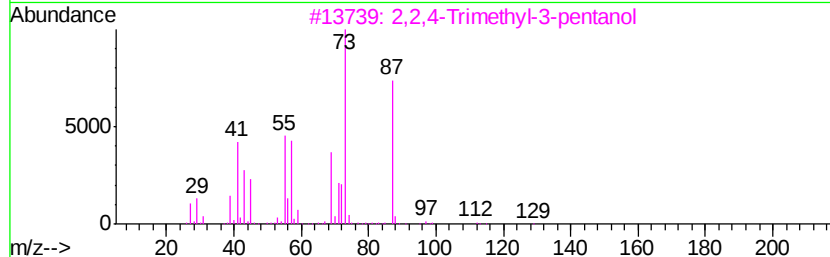
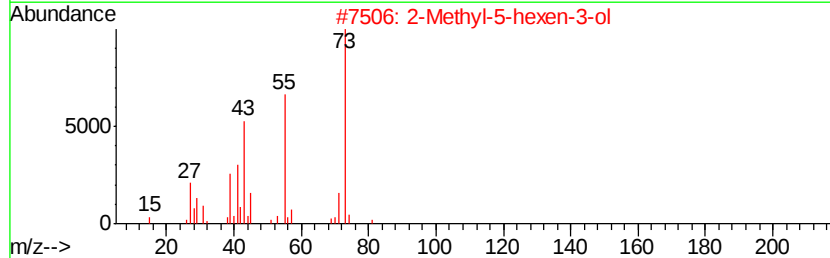
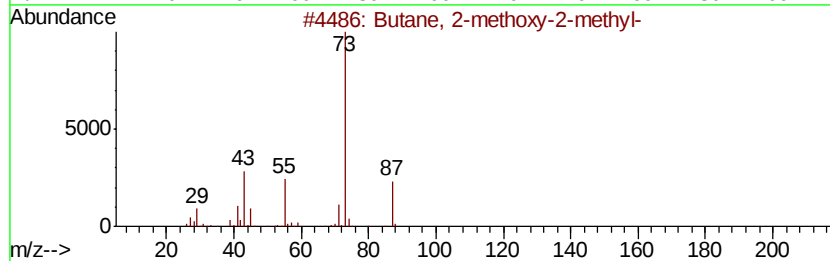
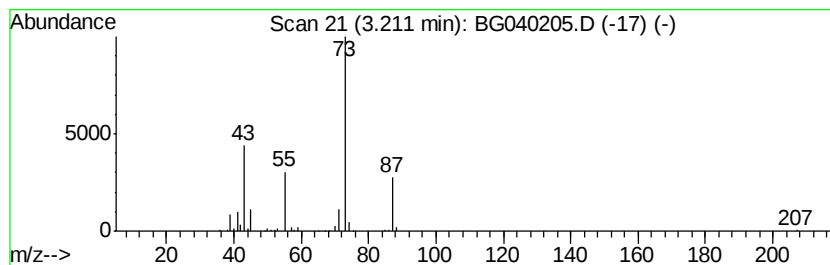
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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.21 | 13.09 ng | 241190 | 1,4-Dichlorobenzene-d4 | 8.07 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 72   |
| 2    |    | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 40   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 38   |
| 4    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 23   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |



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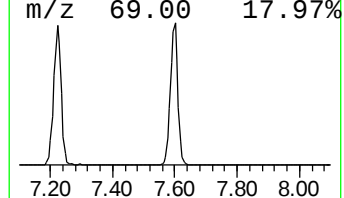
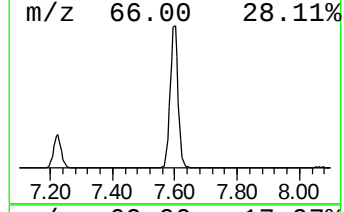
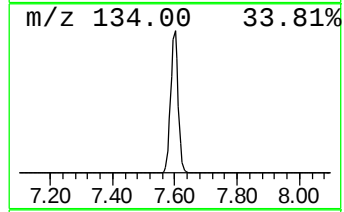
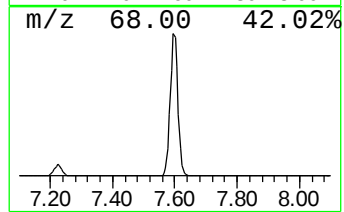
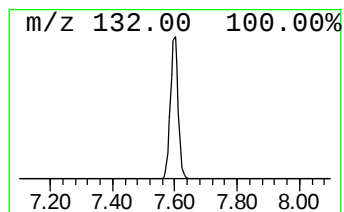
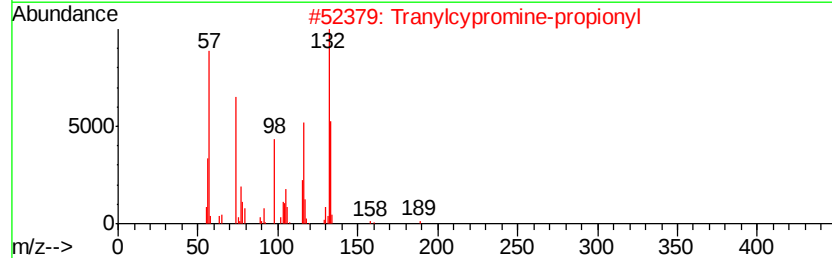
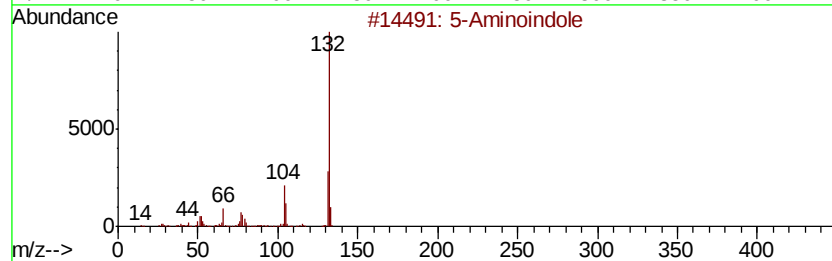
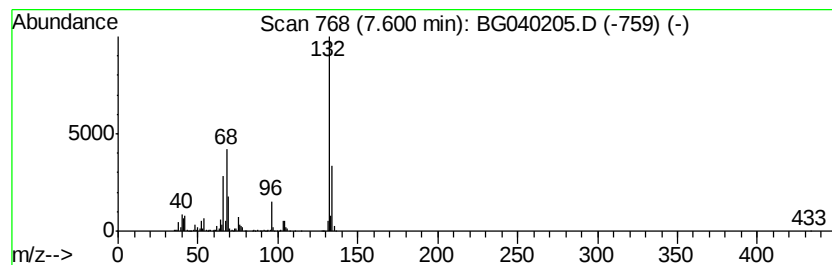
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TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown7.60 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.60 | 104.02 ng | 1916320 | 1,4-Dichlorobenzene-d4 | 8.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 5-Aminoindole                       | 132 | C8H8N2   | 005192-03-0  | 22   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO | 1000123-86-3 | 12   |
| 3    |    | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2   | 000615-15-6  | 10   |
| 4    |    | Imidazole, 4,5-dicvano-1-methyl-    | 132 | C6H4N4   | 019485-35-9  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12   | 028749-81-7  | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

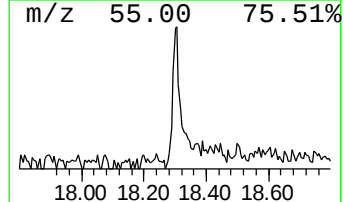
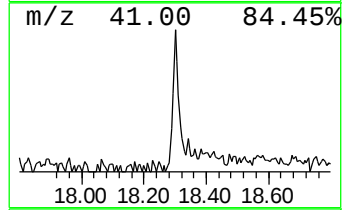
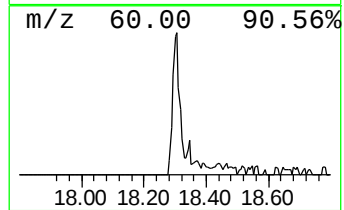
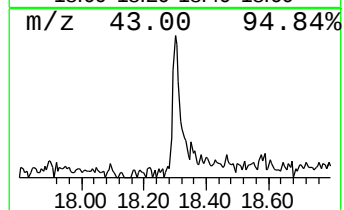
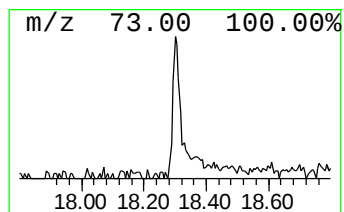
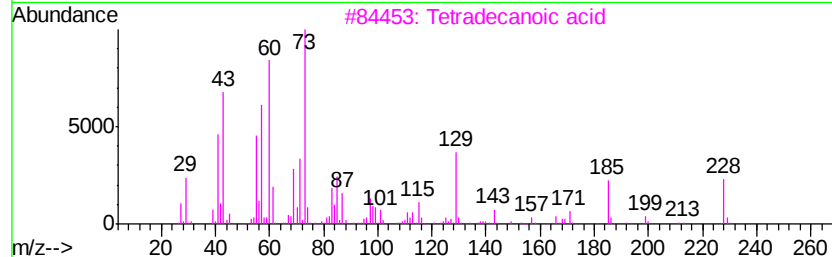
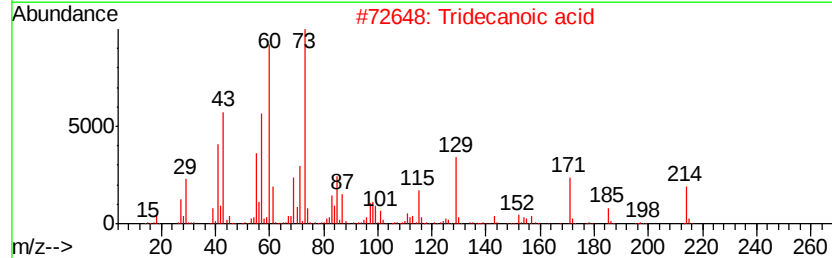
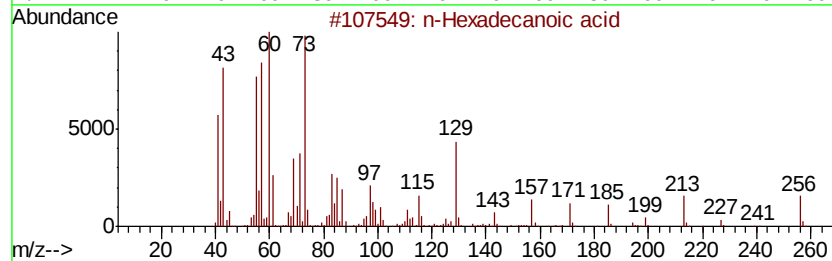
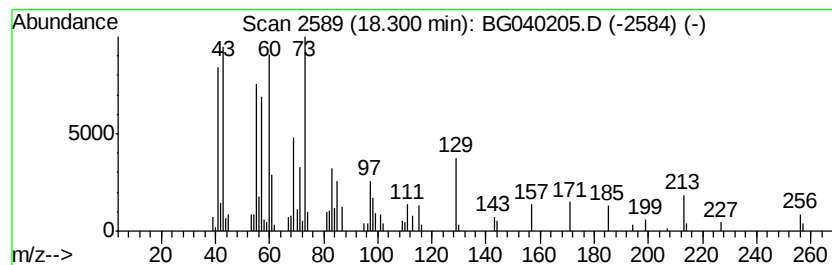
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 n-Hexadecanoic acid Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 18.30 | 2.09 ng | 98384 | Phenanthrene-d10 | 17.45 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm   | CAS#        | Qual |
|---------|---|---------------------|-----|-----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2  | 000057-10-3 | 93   |
| 2       |   | Tridecanoic acid    | 214 | C13H26O2  | 000638-53-9 | 76   |
| 3       |   | Tetradecanoic acid  | 228 | C14H28O2  | 000544-63-8 | 64   |
| 4       |   | Pentadecanoic acid  | 242 | C15H30O2  | 001002-84-2 | 64   |
| 5       |   | Maltose             | 342 | C12H22O11 | 000069-79-4 | 50   |



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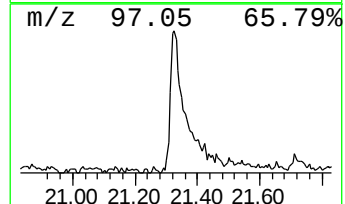
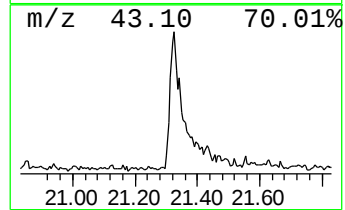
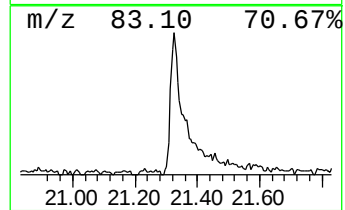
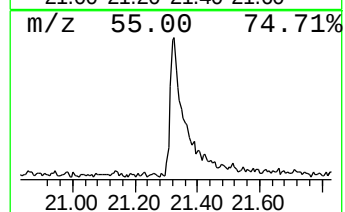
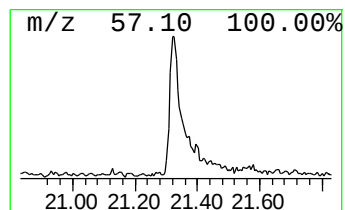
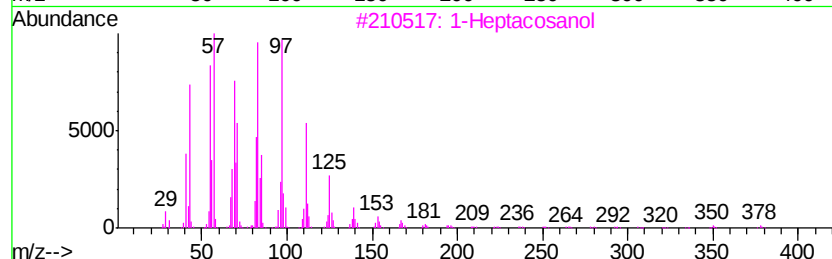
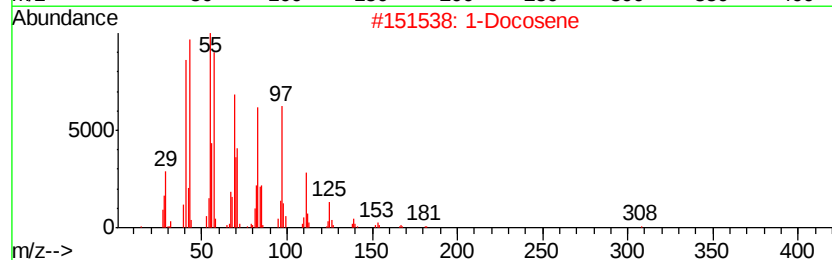
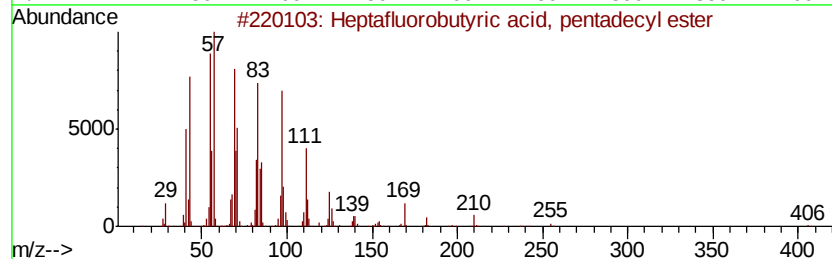
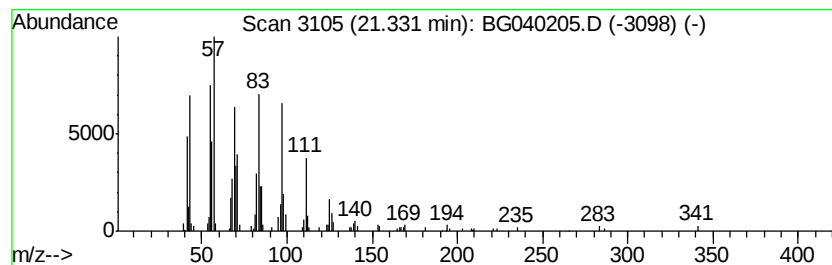
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Heptafluorobutyric acid, pe... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.33 | 6.60 ng | 381267 | Chrysene-d12     | 21.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2  | 959261-23-5  | 94   |
| 2    |    | 1-Docosene                          | 308 | C22H44      | 001599-67-3  | 94   |
| 3    |    | 1-Heptacosanol                      | 396 | C27H56O     | 002004-39-9  | 91   |
| 4    |    | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2  | 959092-08-1  | 91   |
| 5    |    | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG032819\  
Data File : BG040205.D  
Acq On : 28 Mar 2019 18:24  
Operator : JU/SJ  
Sample : K2107-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG032719.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 |
| Cyclopentane, met... | 3.14  | 18.1    | ng    | 333897   | 1                     | 8.07  | 368460  | 20.0 |
| Butane, 2-methoxy... | 3.21  | 13.1    | ng    | 241190   | 1                     | 8.07  | 368460  | 20.0 |
| unknown7.60          | 7.60  | 104.0   | ng    | 1916320  | 1                     | 8.07  | 368460  | 20.0 |
| n-Hexadecanoic acid  | 18.30 | 2.1     | ng    | 98384    | 4                     | 17.45 | 943547  | 20.0 |
| Heptafluorobutyri... | 21.33 | 6.6     | ng    | 381267   | 5                     | 21.72 | 1155720 | 20.0 |