

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062920\  
 Data File : BF120729.D  
 Acq On : 29 Jun 2020 15:59  
 Operator : JU/CG  
 Sample : L3129-11 20X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1308

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\_F\METHODS\8270-BF061020.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         | 6.787       | 796           | 799         | 803          | rBV      | 697037         | 585629        | 25.06%          | 4.782%        |
| 2         | 8.069       | 1011          | 1017        | 1021         | rBV      | 1085675        | 963660        | 41.24%          | 7.869%        |
| 3         | 8.692       | 1120          | 1123        | 1126         | rBV2     | 40251          | 55099         | 2.36%           | 0.450%        |
| 4         | 8.951       | 1164          | 1167        | 1170         | rBV4     | 49688          | 55375         | 2.37%           | 0.452%        |
| 5         | 9.034       | 1177          | 1181        | 1183         | rBV4     | 48002          | 65123         | 2.79%           | 0.532%        |
| 6         | 9.063       | 1183          | 1186        | 1188         | rBV2     | 79269          | 86961         | 3.72%           | 0.710%        |
| 7         | 9.092       | 1188          | 1191        | 1194         | rVB4     | 82493          | 82700         | 3.54%           | 0.675%        |
| 8         | 9.134       | 1195          | 1198        | 1202         | rBV4     | 93375          | 148520        | 6.36%           | 1.213%        |
| 9         | 9.186       | 1204          | 1207        | 1209         | rBV2     | 95951          | 104193        | 4.46%           | 0.851%        |
| 10        | 9.222       | 1210          | 1213        | 1217         | rBV3     | 151930         | 210554        | 9.01%           | 1.719%        |
| 11        | 9.463       | 1251          | 1254        | 1256         | rBV4     | 128776         | 150896        | 6.46%           | 1.232%        |
| 12        | 9.534       | 1264          | 1266        | 1268         | rBV      | 432225         | 410006        | 17.55%          | 3.348%        |
| 13        | 9.692       | 1291          | 1293        | 1296         | rBV3     | 304850         | 409995        | 17.55%          | 3.348%        |
| 14        | 9.739       | 1298          | 1301        | 1304         | rVB      | 737095         | 779591        | 33.37%          | 6.366%        |
| 15        | 9.834       | 1310          | 1317        | 1320         | rBV2     | 1851843        | 2336495       | 100.00%         | 19.078%       |
| 16        | 10.245      | 1384          | 1387        | 1389         | rBV      | 738573         | 784377        | 33.57%          | 6.405%        |
| 17        | 10.381      | 1408          | 1410        | 1414         | rBV4     | 487097         | 539368        | 23.08%          | 4.404%        |
| 18        | 10.763      | 1472          | 1475        | 1482         | rVB      | 1297878        | 1613822       | 69.07%          | 13.177%       |
| 19        | 11.086      | 1525          | 1530        | 1531         | rBV5     | 816732         | 1647610       | 70.52%          | 13.453%       |
| 20        | 13.957      | 2015          | 2018        | 2026         | rVB      | 618256         | 611987        | 26.19%          | 4.997%        |
| 21        | 15.392      | 2257          | 2262        | 2272         | rVB      | 450246         | 605077        | 25.90%          | 4.941%        |

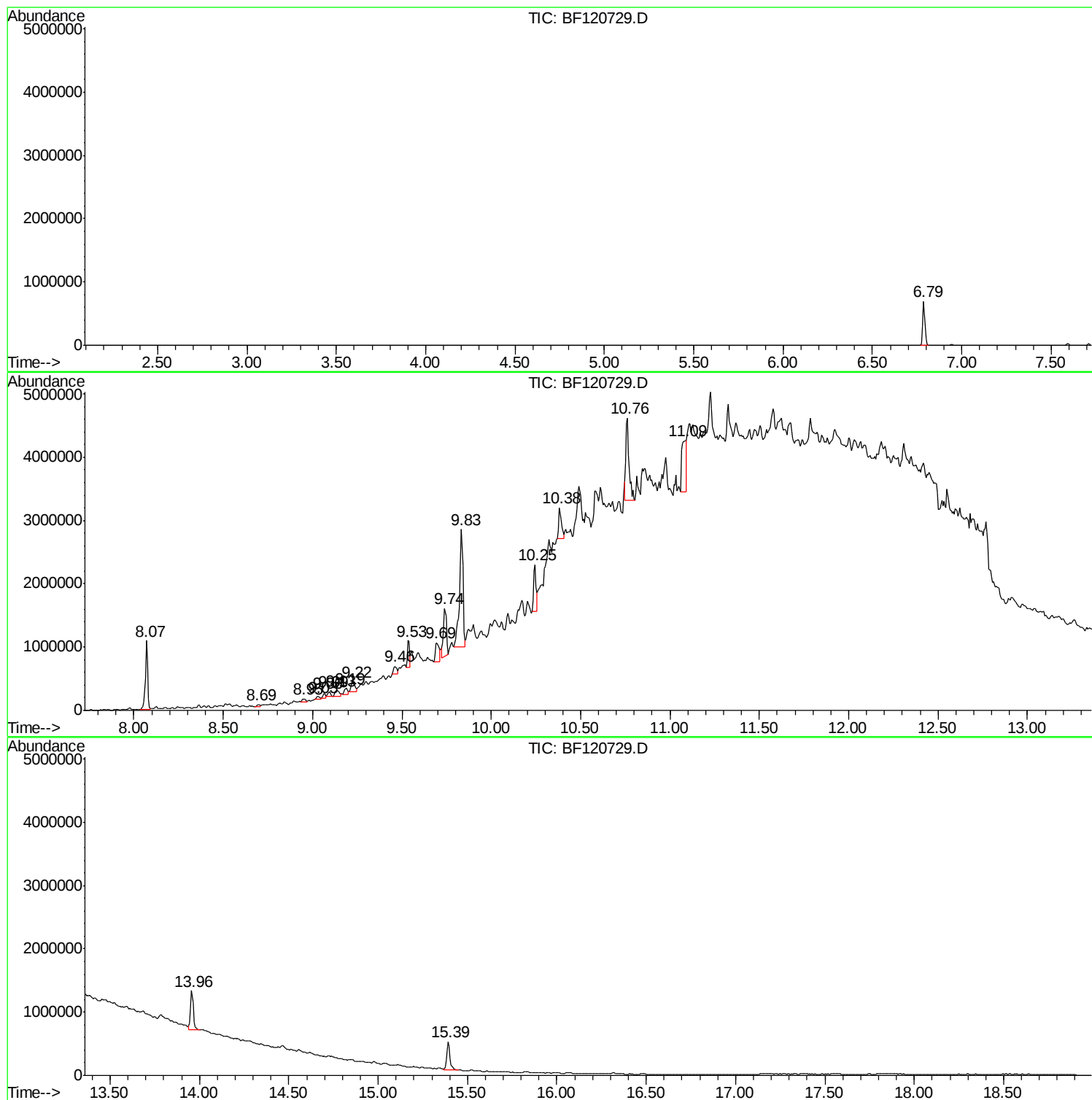
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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
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Sample : L3129-11 20X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
1308

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
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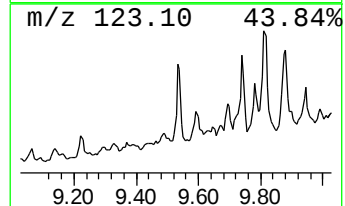
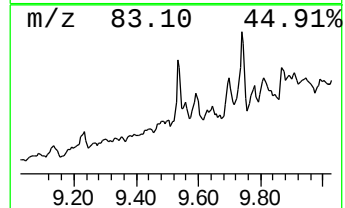
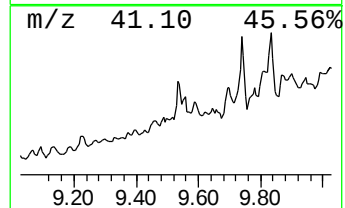
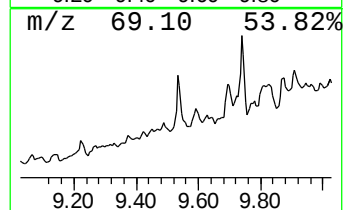
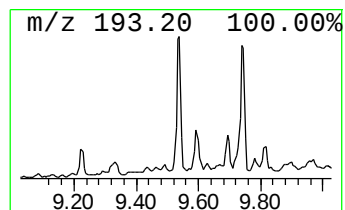
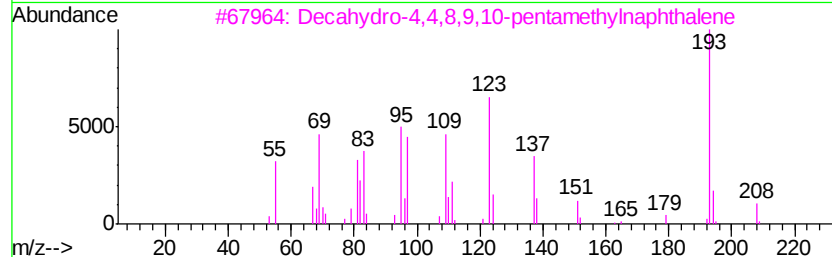
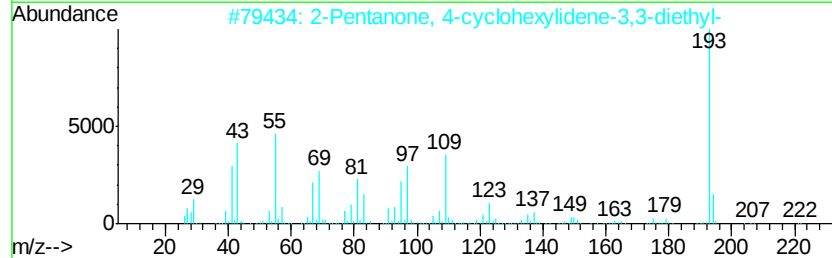
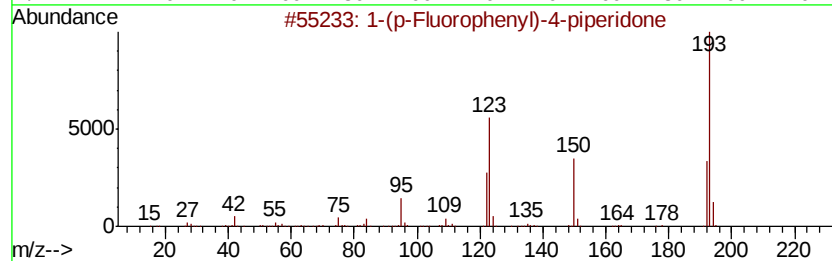
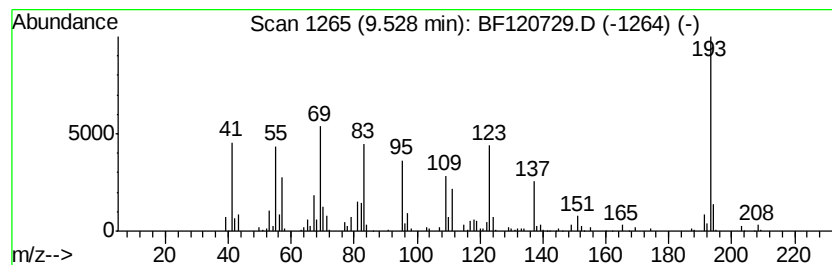
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown9.53 Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 9.53      | 3.51 ng                             | 410006 | Acenaphthene-d10 | 9.83         |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 1-(p-Fluorophenyl)-4-piperidone     | 193    | C11H12FNO        | 1000238-56-7 | 46   |
| 2         | 2-Pentanone, 4-cyclohexylidene-3... | 222    | C15H26O          | 313253-65-5  | 37   |
| 3         | Decahydro-4,4,8,9,10-pentamethyl... | 208    | C15H28           | 080655-44-3  | 32   |
| 4         | 9-Phenanthrenamine                  | 193    | C14H11N          | 000947-73-9  | 30   |
| 5         | S-Phenyl 5-(phenylthio)pentaneth... | 302    | C17H18OS2        | 1000234-40-7 | 28   |



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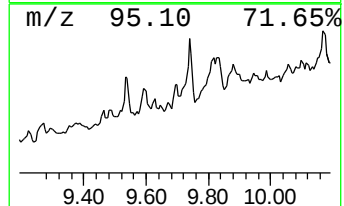
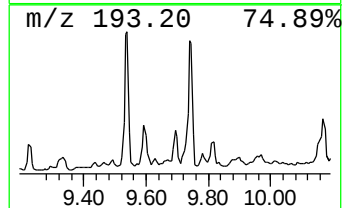
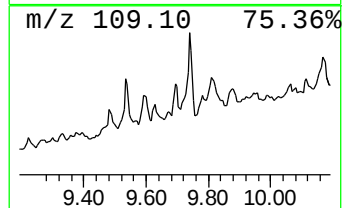
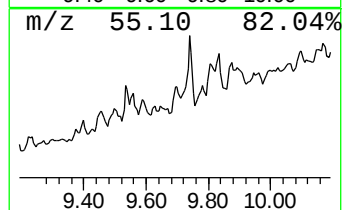
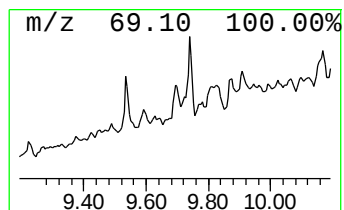
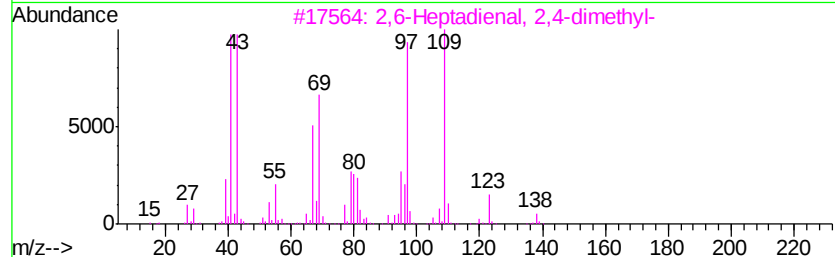
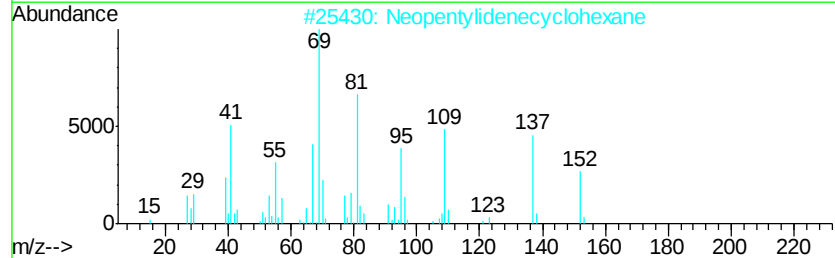
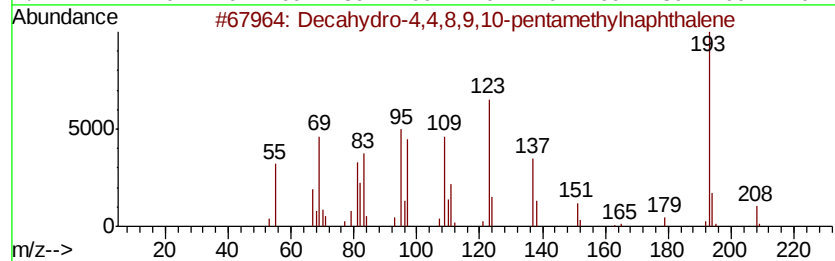
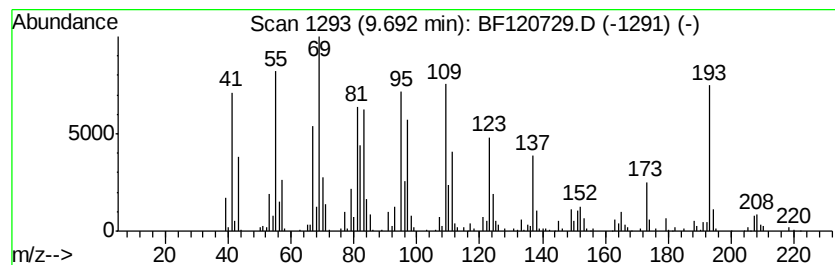
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Decahydro-4,4,8,9,10-pentam... Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 9.69      | 3.51 ng                             | 409995 | Acenaphthene-d10 | 9.83         |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Decahydro-4,4,8,9,10-pentamethyl... | 208    | C15H28           | 080655-44-3  | 60   |
| 2         | Neopentylidenecyclohexane           | 152    | C11H20           | 039546-80-0  | 43   |
| 3         | 2,6-Heptadienal, 2,4-dimethyl-      | 138    | C9H14O           | 085136-08-9  | 41   |
| 4         | 1H-Pyrazole, 1-methyl-4-(4,4,5,5... | 208    | C10H17BN2O2      | 1000319-69-0 | 38   |
| 5         | 1-Anthracenamine                    | 193    | C14H11N          | 000610-49-1  | 25   |



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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
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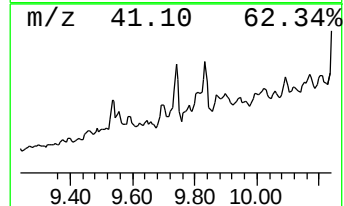
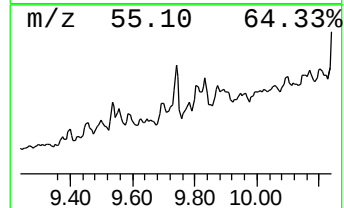
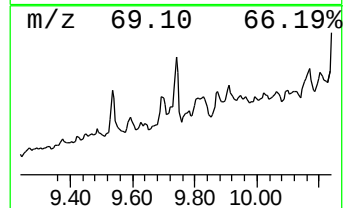
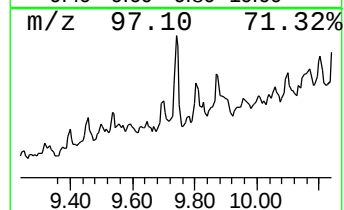
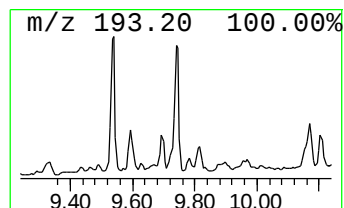
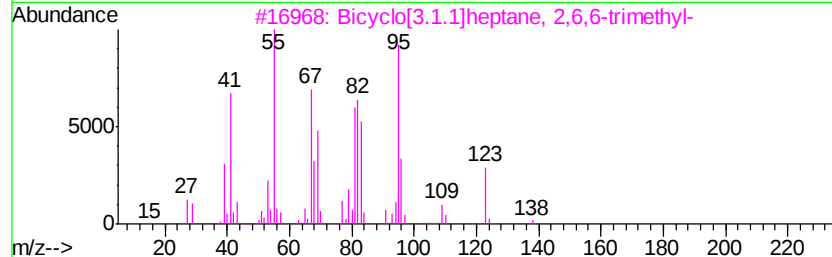
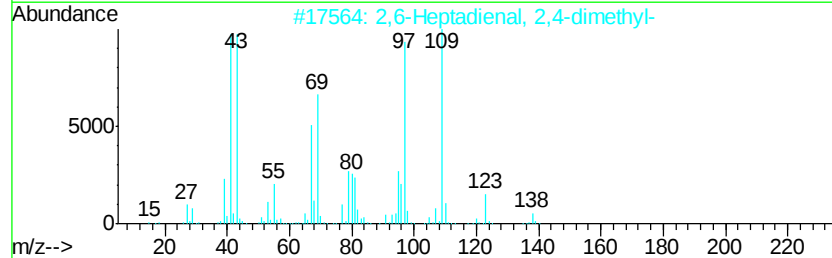
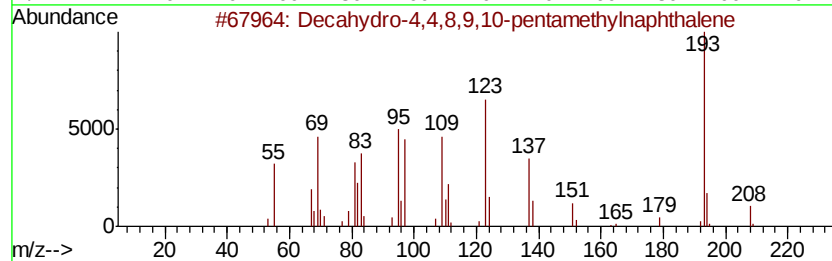
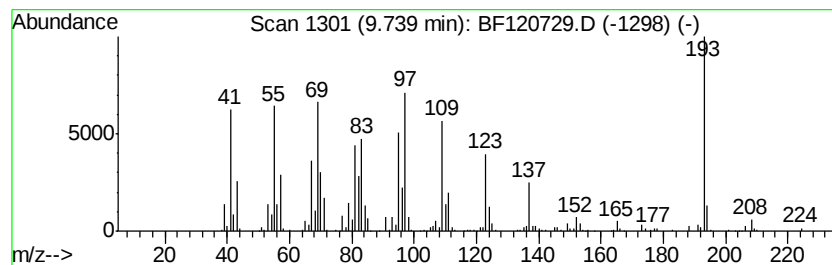
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown9.74 Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.74 | 6.67 ng | 779591 | Acenaphthene-d10 | 9.83 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28    | 080655-44-3 | 46   |
| 2    |    |   | 2,6-Heptadienal, 2,4-dimethyl-      | 138 | C9H14O    | 085136-08-9 | 35   |
| 3    |    |   | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18    | 000473-55-2 | 30   |
| 4    |    |   | 6-Acetamido-1,4-benzodioxane        | 193 | C10H11NO3 | 063546-19-0 | 27   |
| 5    |    |   | 9-Phenanthrenamine                  | 193 | C14H11N   | 000947-73-9 | 25   |



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Misc :  
ALS Vial : 6 Sample Multiplier: 1

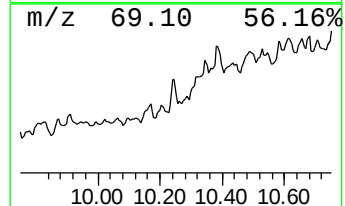
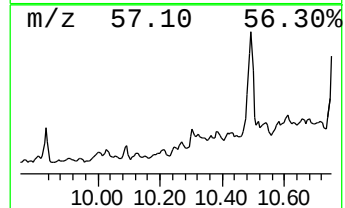
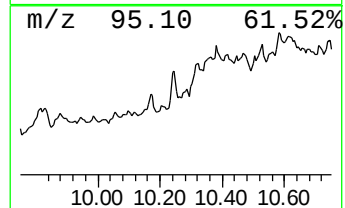
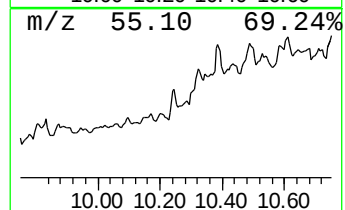
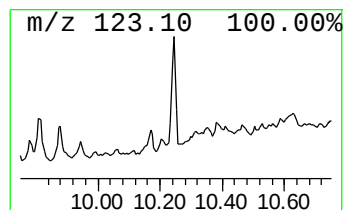
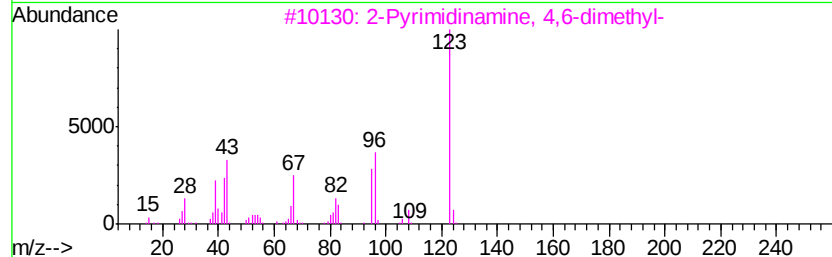
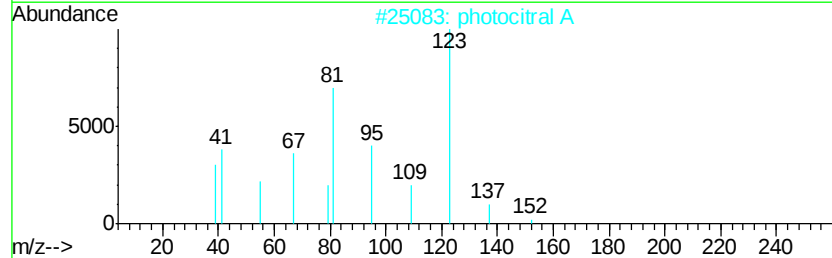
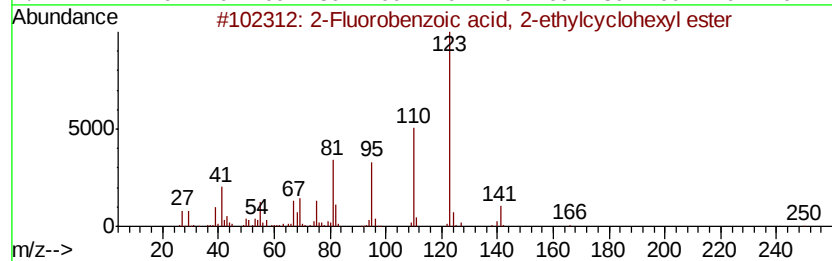
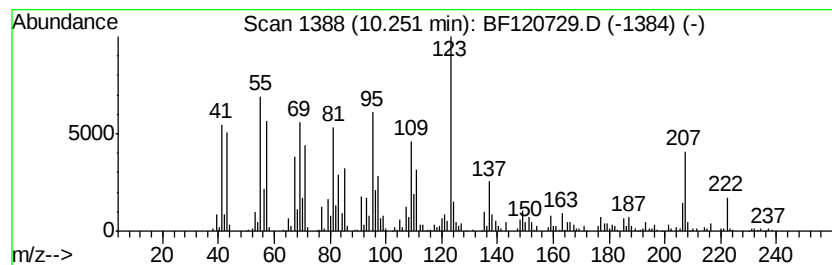
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ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 unknown10.25 Concentration Rank 3

| R.T.    | EstConc                             | Area         | Relative to ISTD |              | R.T. |      |
|---------|-------------------------------------|--------------|------------------|--------------|------|------|
| 10.25   | 6.71 ng                             | 784377       | Acenaphthene-d10 |              | 9.83 |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm      | CAS# | Qual |
| 1       | 2-Fluorobenzoic acid, 2-ethylcvc... | 250          | C15H19F02        | 1000278-98-1 | 43   |      |
| 2       | photocitral A                       | 152          | C10H16O          | 055253-28-6  | 43   |      |
| 3       | 2-Pyrimidinamine, 4,6-dimethyl-     | 123          | C6H9N3           | 000767-15-7  | 43   |      |
| 4       | 4-Fluorobenzoic acid, butyl ester   | 196          | C11H13F02        | 003888-64-0  | 43   |      |
| 5       | Ethanone, 1-[3-[2-methyl-2-(5-me... | 222          | C13H18O3         | 080114-28-9  | 38   |      |



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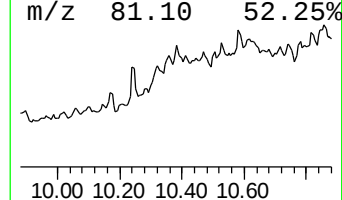
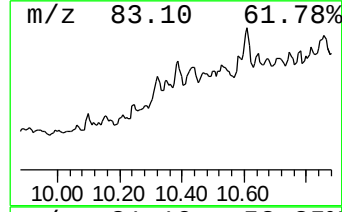
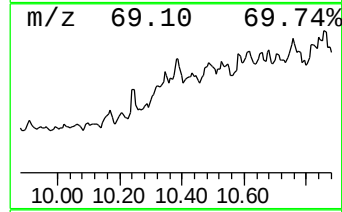
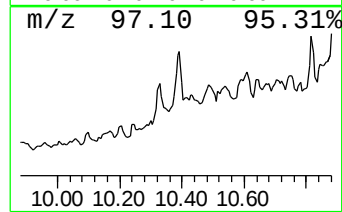
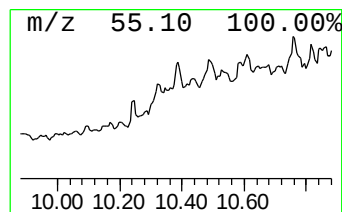
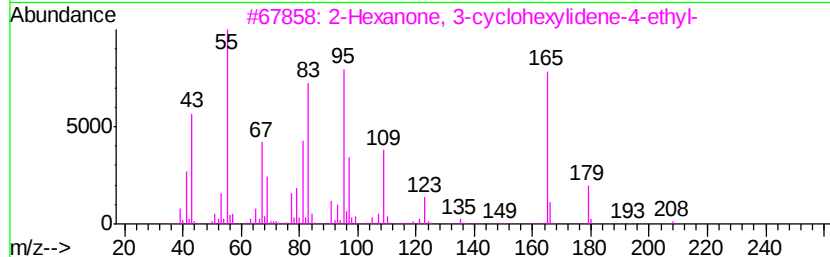
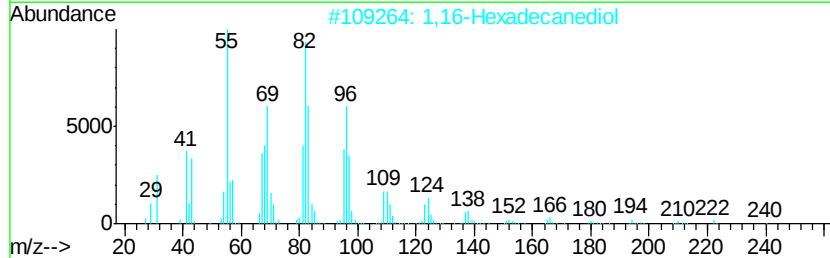
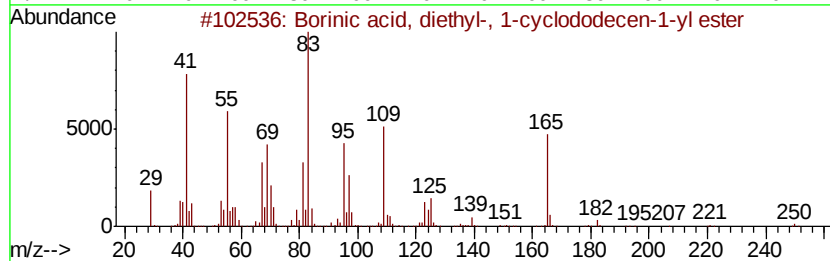
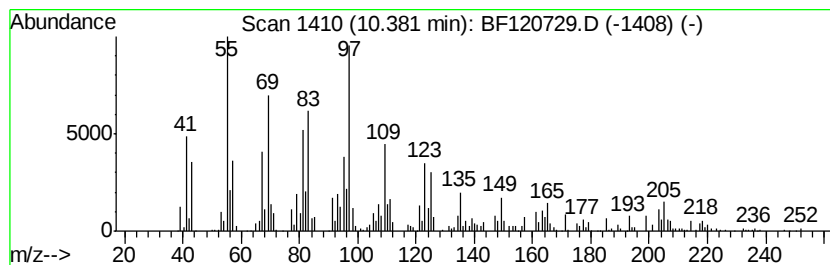
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TIC Library : C:\DATABASE\NIST11.L  
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\*\*\*\*\*  
Peak Number 5 unknown10.38 Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 10.38     | 4.62 ng                             | 539368 | Acenaphthene-d10 | 9.83         |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Borinic acid, diethyl-, 1-cvclo...  | 250    | C16H31B0         | 061142-73-2  | 38   |
| 2         | 1,16-Hexadecanediol                 | 258    | C16H34O2         | 007735-42-4  | 35   |
| 3         | 2-Hexanone, 3-cyclohexylidene-4-... | 208    | C14H24O          | 1000150-19-2 | 35   |
| 4         | 1,13-Tetradecadiene                 | 194    | C14H26           | 021964-49-8  | 25   |
| 5         | Cedranoxide, 8,14-                  | 220    | C15H24O          | 018319-31-8  | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120729.D  
Acq On : 29 Jun 2020 15:59  
Operator : JU/CG  
Sample : L3129-11 20X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

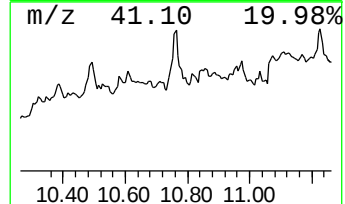
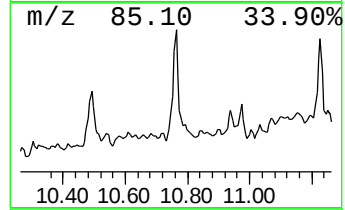
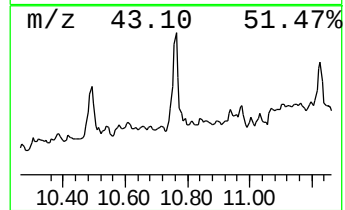
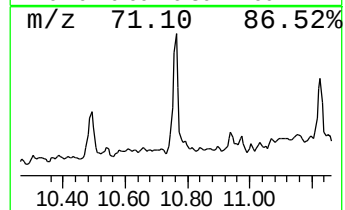
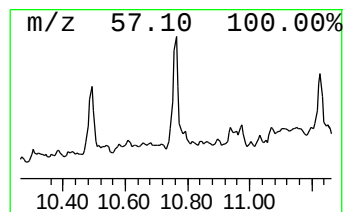
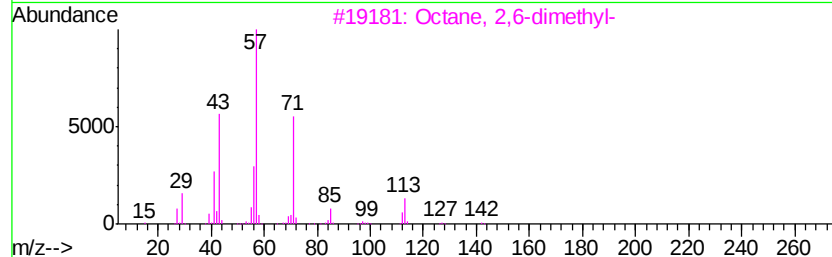
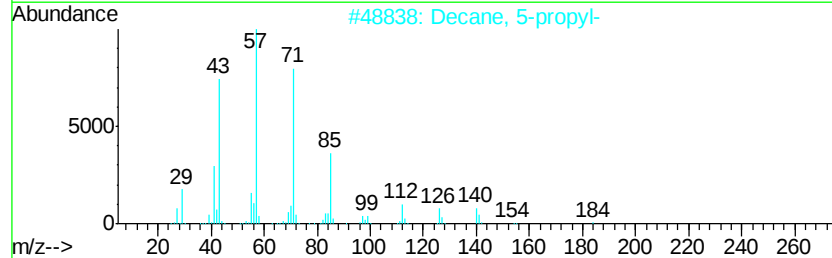
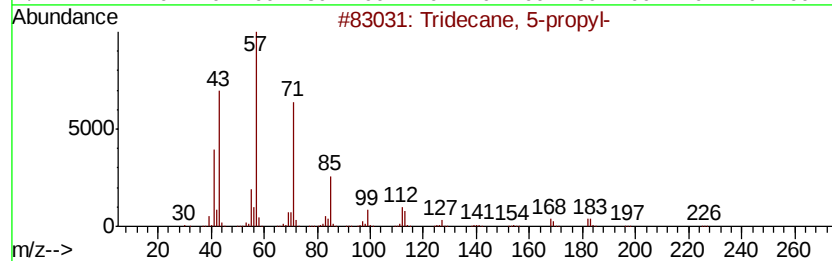
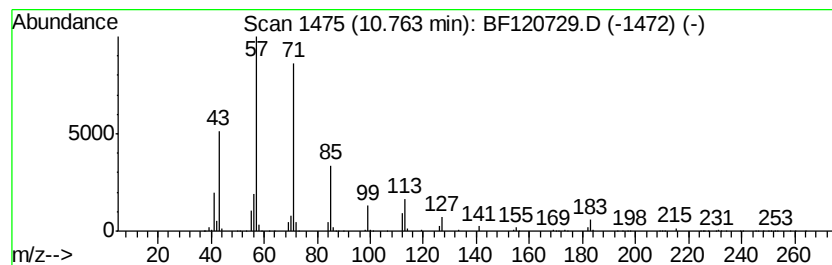
Instrument :  
BNA\_F  
ClientSampleId :  
1308

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 Tridecane, 5-propyl- Concentration Rank 2

| R.T.      | EstConc                            | Area    | Relative to ISTD | R.T.        |      |
|-----------|------------------------------------|---------|------------------|-------------|------|
| 10.76     | 19.59 ng                           | 1613820 | Phenanthrene-d10 | 11.33       |      |
| Hit# of 5 | Tentative ID                       | MW      | MolForm          | CAS#        | Qual |
| 1         | Tridecane, 5-propyl-               | 226     | C16H34           | 055045-11-9 | 91   |
| 2         | Decane, 5-propyl-                  | 184     | C13H28           | 017312-62-8 | 80   |
| 3         | Octane, 2,6-dimethyl-              | 142     | C10H22           | 002051-30-1 | 72   |
| 4         | Octane, 3,3-dimethyl-              | 142     | C10H22           | 004110-44-5 | 53   |
| 5         | Hexadecane, 2,6,10,14-tetramethyl- | 282     | C20H42           | 000638-36-8 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120729.D  
Acq On : 29 Jun 2020 15:59  
Operator : JU/CG  
Sample : L3129-11 20X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

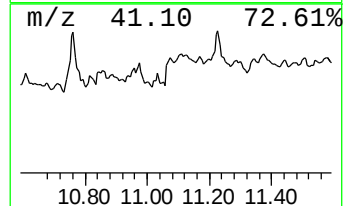
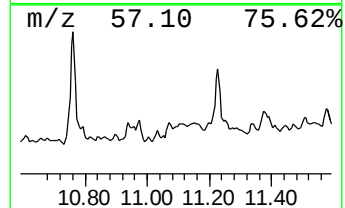
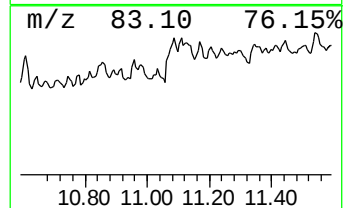
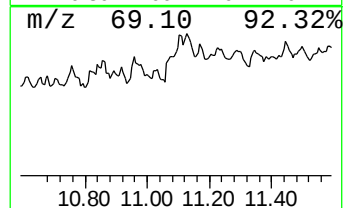
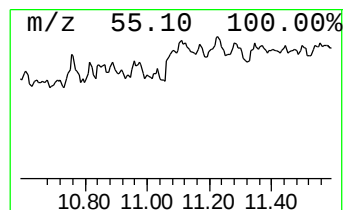
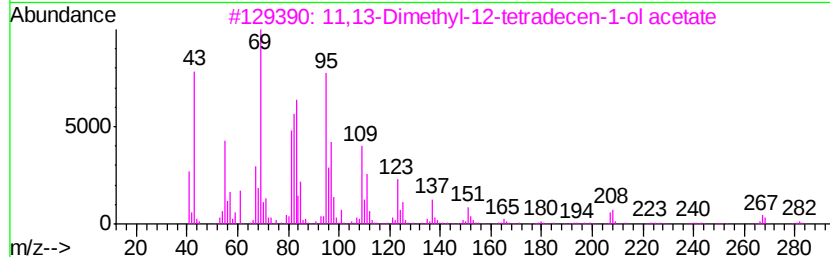
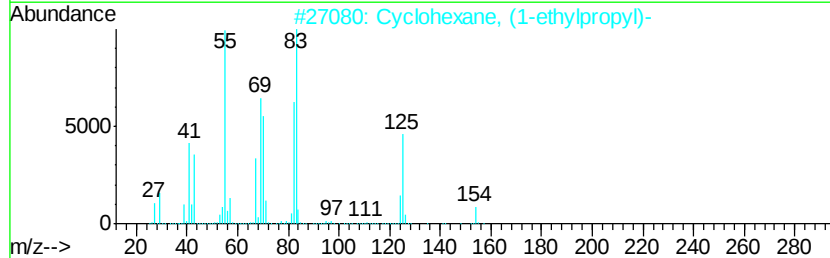
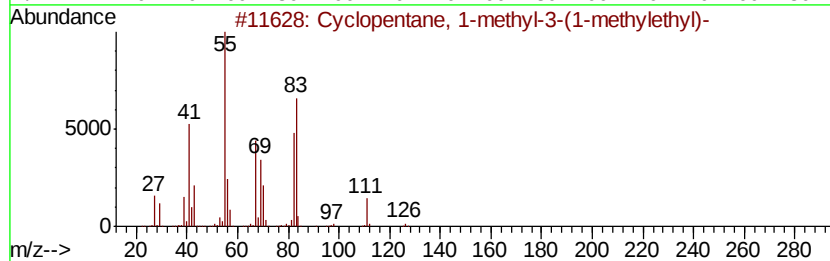
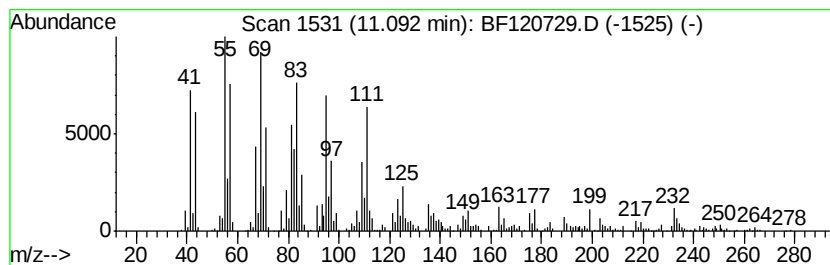
Instrument :  
BNA\_F  
ClientSampleId :  
1308

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 Cyclopentane, 1-methyl-3-(1... Concentration Rank 1

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.     |              |      |
|---------|----------|-------------------------------------|------------------|----------|--------------|------|
| 11.09   | 20.00 ng | 1647610                             | Phenanthrene-d10 | 11.33    |              |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm  | CAS#         | Qual |
| 1       |          | Cyclopentane, 1-methyl-3-(1-meth... | 126              | C9H18    | 053771-88-3  | 50   |
| 2       |          | Cyclohexane, (1-ethylpropyl)-       | 154              | C11H22   | 026321-98-2  | 50   |
| 3       |          | 11,13-Dimethyl-12-tetradecen-1-o... | 282              | C18H34O2 | 1000130-81-0 | 43   |
| 4       |          | 6-Octen-1-ol, 3,7-dimethyl-, for... | 184              | C11H20O2 | 000105-85-1  | 42   |
| 5       |          | 1,1'-Bicyclohexyl, 2-(2-methylpr... | 222              | C16H30   | 055012-77-6  | 41   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062920\  
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Acq On : 29 Jun 2020 15:59  
Operator : JU/CG  
Sample : L3129-11 20X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
1308

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061020.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 |
| unknown9.53          | 9.53  | 3.5     | ng    | 410006   | 3                     | 9.83  | 2336500 | 20.0 |
| Decahydro-4,4,8,9... | 9.69  | 3.5     | ng    | 409995   | 3                     | 9.83  | 2336500 | 20.0 |
| unknown9.74          | 9.74  | 6.7     | ng    | 779591   | 3                     | 9.83  | 2336500 | 20.0 |
| unknown10.25         | 10.25 | 6.7     | ng    | 784377   | 3                     | 9.83  | 2336500 | 20.0 |
| unknown10.38         | 10.38 | 4.6     | ng    | 539368   | 3                     | 9.83  | 2336500 | 20.0 |
| Tridecane, 5-propyl- | 10.76 | 19.6    | ng    | 1613820  | 4                     | 11.33 | 1647610 | 20.0 |
| Cyclopentane, 1-m... | 11.09 | 20.0    | ng    | 1647610  | 4                     | 11.33 | 1647610 | 20.0 |