

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF021218\  
 Data File : BF102915.D  
 Acq On : 12 Feb 2018 12:51  
 Operator : SJ/JU  
 Sample : J1506-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-21(14-16)

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:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.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         | 2.187       | 9             | 17          | 27           | rVB      | 552067         | 775457        | 16.11%          | 1.952%        |
| 2         | 5.122       | 513           | 516         | 525          | rVB      | 126273         | 174876        | 3.63%           | 0.440%        |
| 3         | 5.510       | 576           | 582         | 585          | rBV      | 4568696        | 4812216       | 100.00%         | 12.111%       |
| 4         | 6.516       | 747           | 753         | 756          | rBV      | 4170030        | 4627823       | 96.17%          | 11.647%       |
| 5         | 6.657       | 772           | 777         | 780          | rBV      | 4602675        | 4645696       | 96.54%          | 11.692%       |
| 6         | 6.886       | 812           | 816         | 819          | rBV      | 1245239        | 1100009       | 22.86%          | 2.769%        |
| 7         | 7.039       | 838           | 842         | 846          | rBV      | 3496804        | 3453938       | 71.77%          | 8.693%        |
| 8         | 7.451       | 906           | 912         | 915          | rBV      | 3023527        | 3147303       | 65.40%          | 7.921%        |
| 9         | 8.169       | 1030          | 1034        | 1037         | rBV      | 1615368        | 1421186       | 29.53%          | 3.577%        |
| 10        | 9.239       | 1211          | 1216        | 1220         | rBV      | 4016014        | 4188538       | 87.04%          | 10.542%       |
| 11        | 9.316       | 1226          | 1229        | 1232         | rVB      | 61351          | 48905         | 1.02%           | 0.123%        |
| 12        | 9.633       | 1279          | 1283        | 1286         | rBV      | 431030         | 385751        | 8.02%           | 0.971%        |
| 13        | 9.845       | 1312          | 1319        | 1322         | rBV      | 178965         | 143181        | 2.98%           | 0.360%        |
| 14        | 9.921       | 1328          | 1332        | 1341         | rBV2     | 1587359        | 1467761       | 30.50%          | 3.694%        |
| 15        | 10.345      | 1401          | 1404        | 1407         | rVB      | 204465         | 150645        | 3.13%           | 0.379%        |
| 16        | 10.563      | 1436          | 1441        | 1444         | rBV      | 49809          | 65680         | 1.36%           | 0.165%        |
| 17        | 10.716      | 1463          | 1467        | 1477         | rVV      | 2398199        | 2426302       | 50.42%          | 6.107%        |
| 18        | 10.816      | 1481          | 1484        | 1493         | rVB      | 157209         | 174439        | 3.62%           | 0.439%        |
| 19        | 11.268      | 1557          | 1561        | 1563         | rBV      | 78048          | 69657         | 1.45%           | 0.175%        |
| 20        | 11.410      | 1581          | 1585        | 1589         | rBV      | 1443304        | 1238729       | 25.74%          | 3.118%        |
| 21        | 12.998      | 1850          | 1855        | 1858         | rBV      | 2876730        | 2763965       | 57.44%          | 6.956%        |
| 22        | 13.880      | 2001          | 2005        | 2016         | rBV      | 400171         | 446152        | 9.27%           | 1.123%        |
| 23        | 14.051      | 2030          | 2034        | 2045         | rVB      | 974544         | 920529        | 19.13%          | 2.317%        |
| 24        | 15.539      | 2281          | 2287        | 2296         | rBV      | 698357         | 964328        | 20.04%          | 2.427%        |
| 25        | 16.045      | 2369          | 2373        | 2379         | rBV7     | 28151          | 56598         | 1.18%           | 0.142%        |
| 26        | 17.121      | 2550          | 2556        | 2563         | rBV3     | 27222          | 63307         | 1.32%           | 0.159%        |

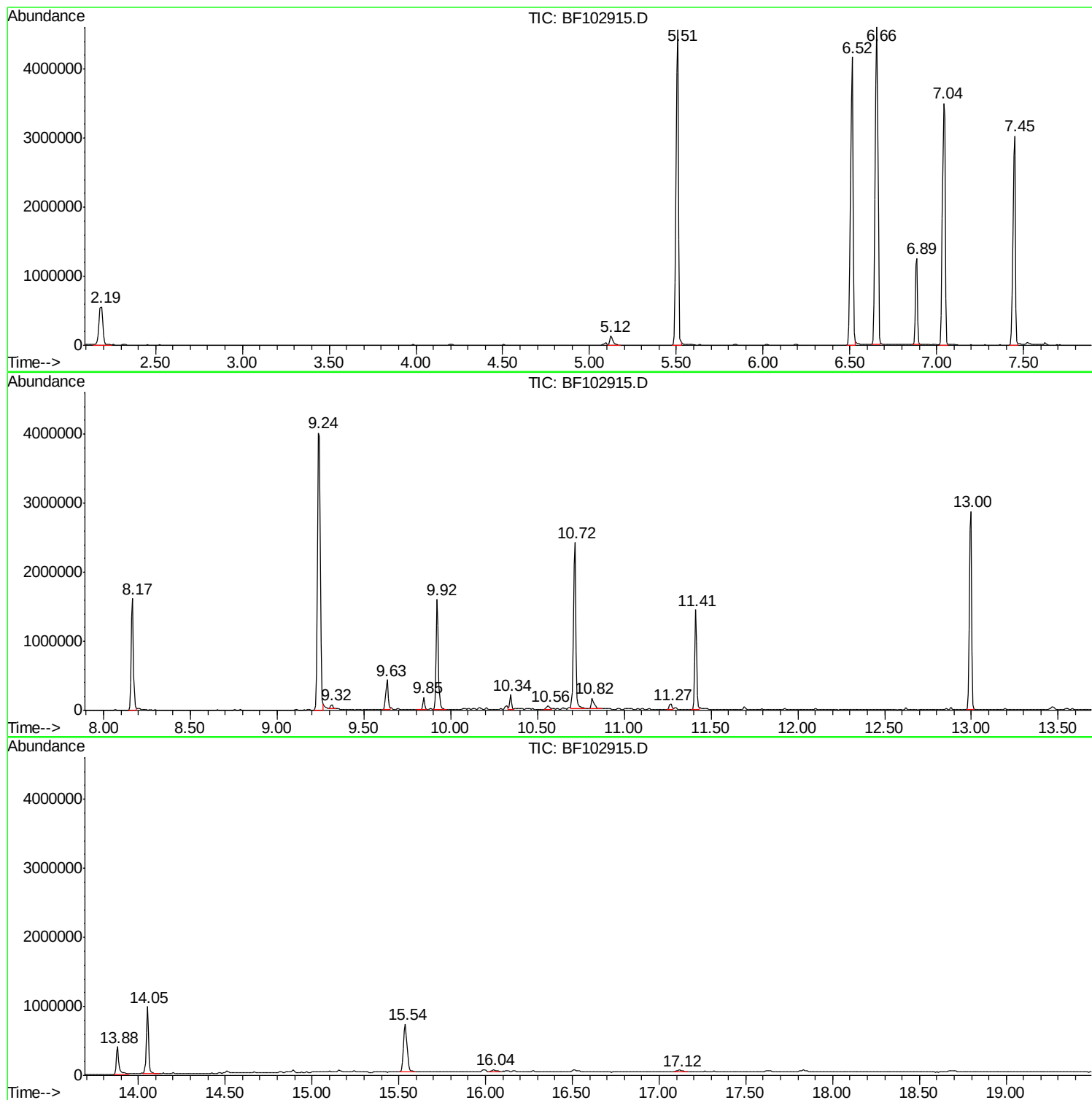
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Instrument :  
BNA\_F  
ClientSampleId :  
B-21(14-16)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.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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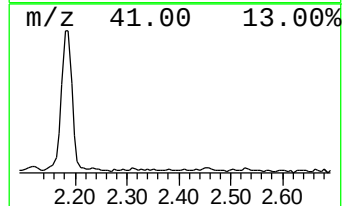
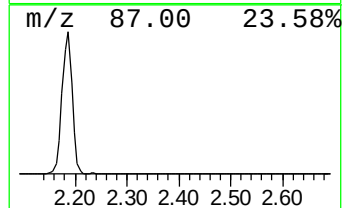
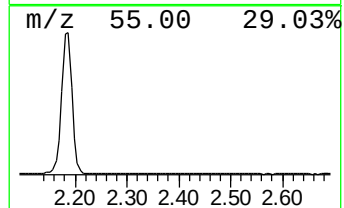
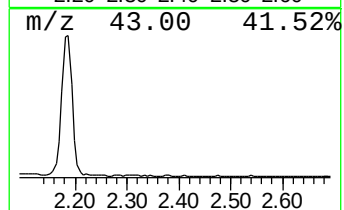
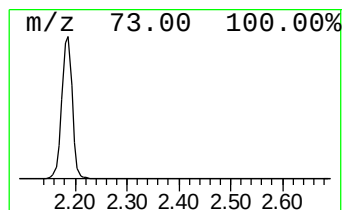
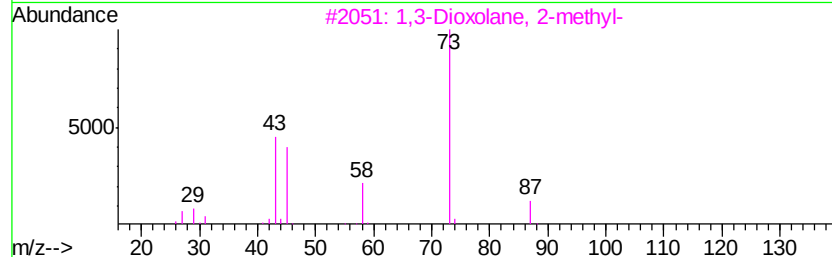
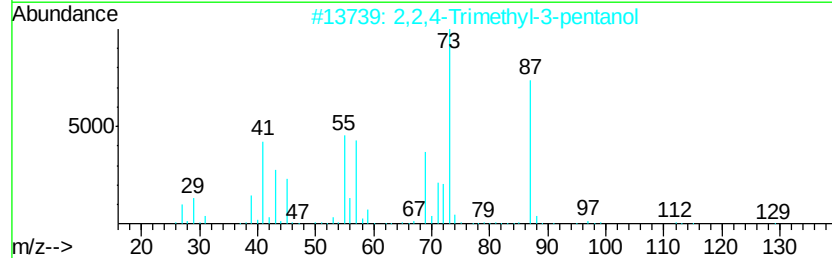
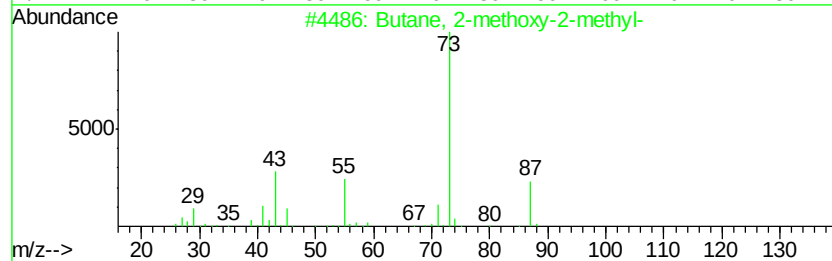
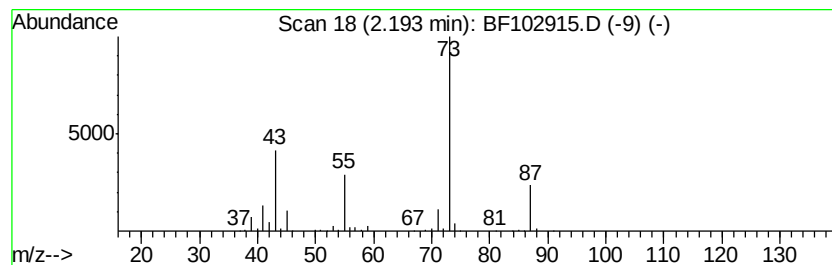
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.19 | 14.10 ng | 775457 | 1,4-Dichlorobenzene-d4 | 6.89 |

| 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 | 40   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



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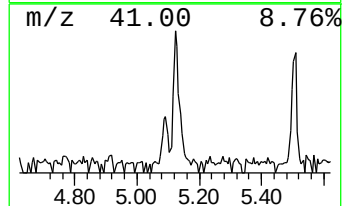
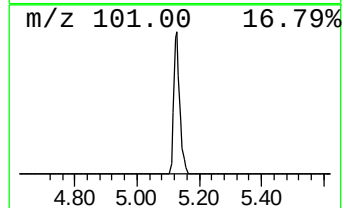
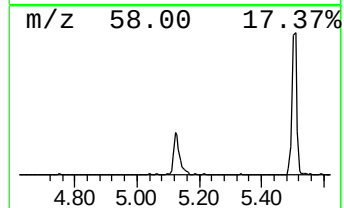
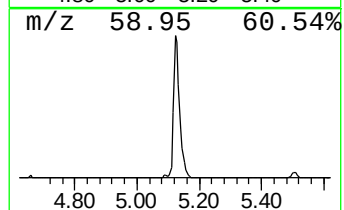
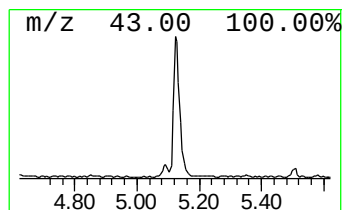
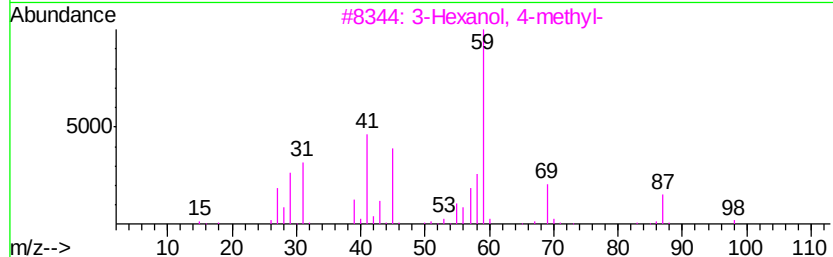
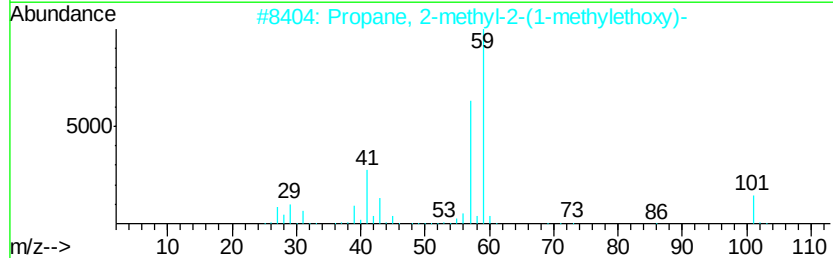
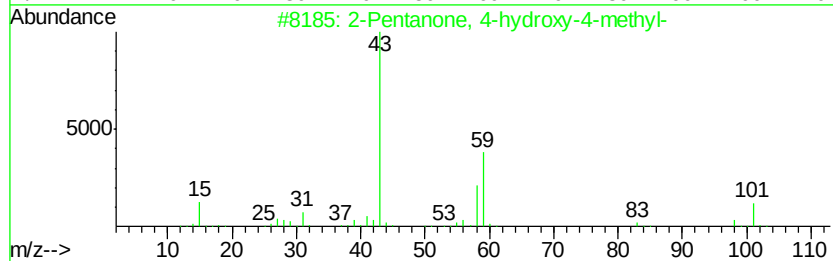
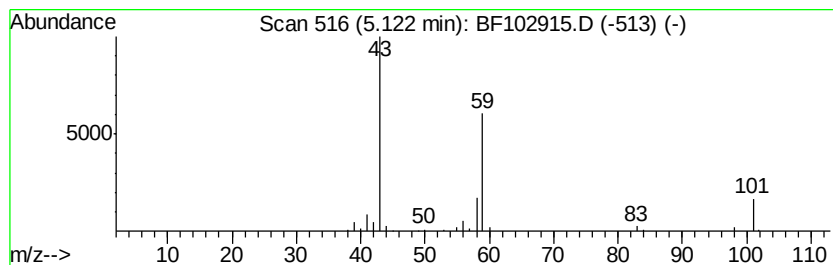
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.12 | 3.18 ng | 174876 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O  | 017348-59-3 | 42   |
| 3    |    | 3-Hexanol, 4-methyl-                | 116 | C7H16O  | 000615-29-2 | 33   |
| 4    |    | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 28   |
| 5    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 16   |



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Sample : J1506-06  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
B-21(14-16)

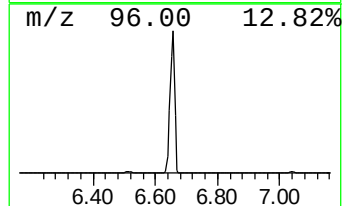
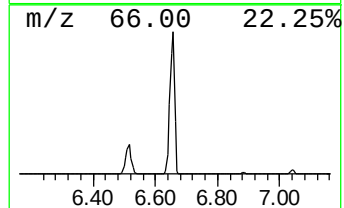
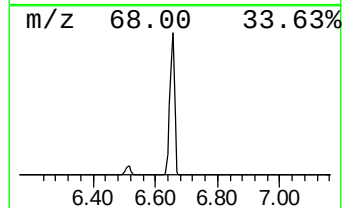
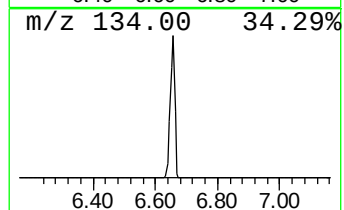
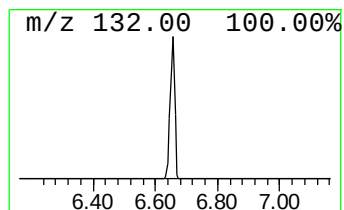
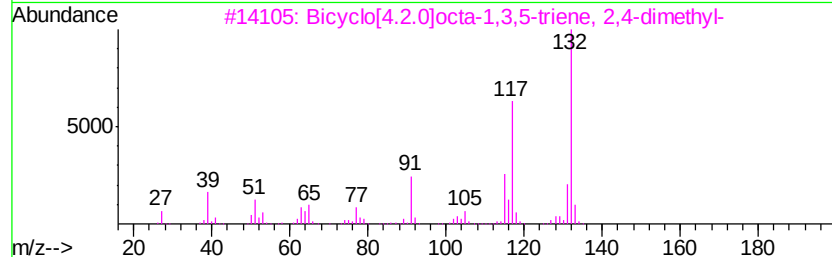
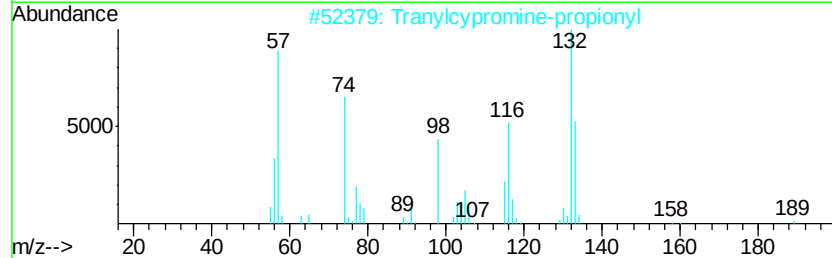
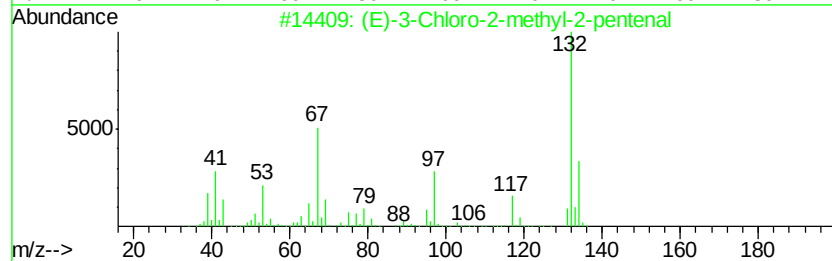
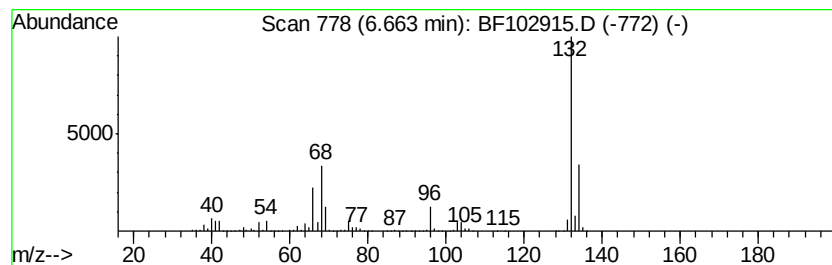
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown6.66 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.66 | 84.47 ng | 4645700 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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ALS Vial : 10 Sample Multiplier: 1

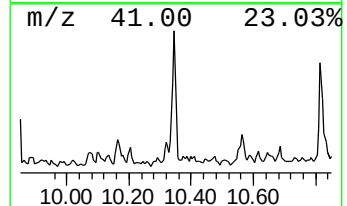
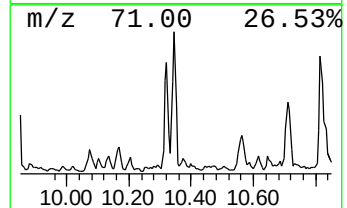
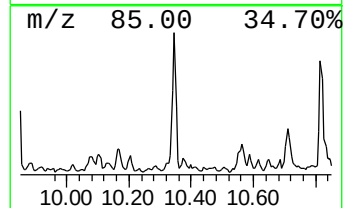
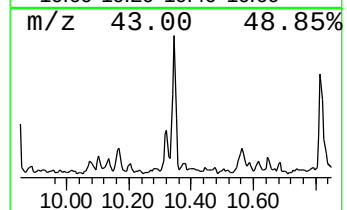
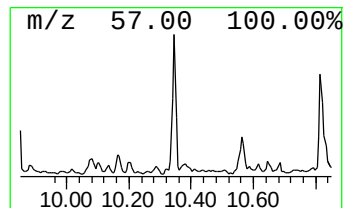
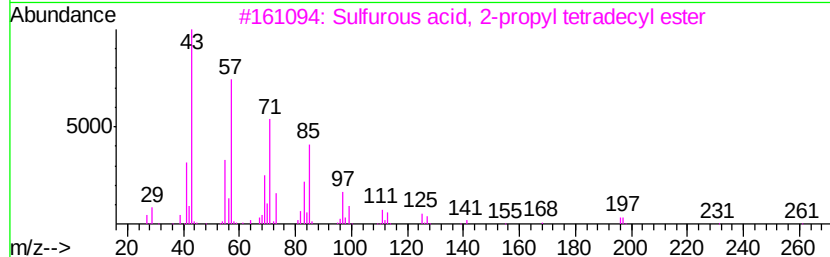
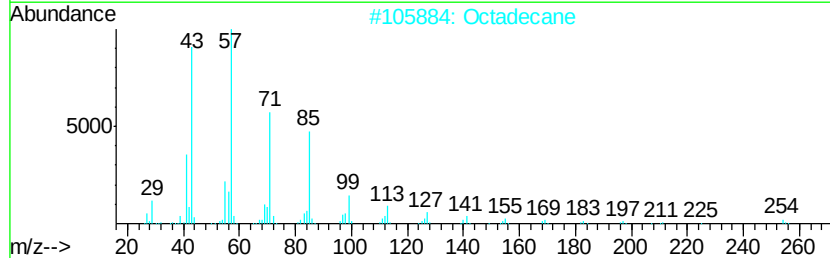
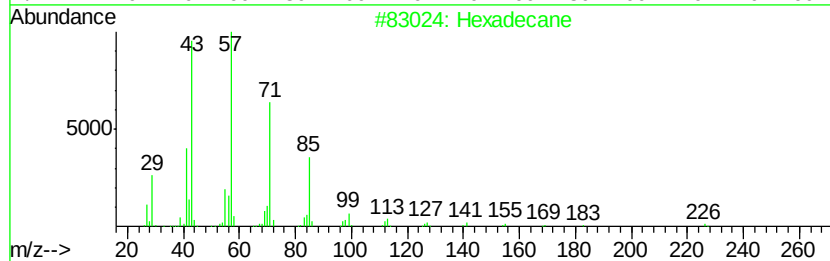
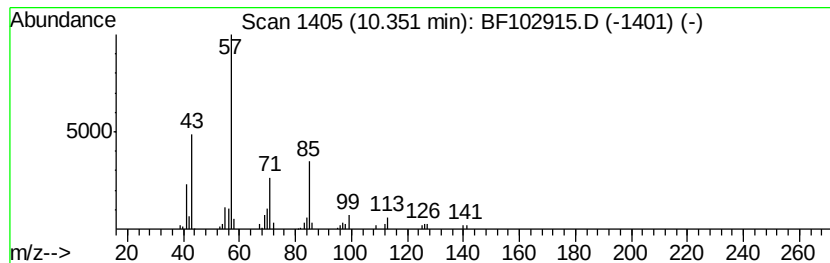
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Peak Number 5 Hexadecane Concentration Rank 7

| R.T.      | EstConc                              | Area   | Relative to ISTD | R.T.         |      |
|-----------|--------------------------------------|--------|------------------|--------------|------|
| 10.35     | 2.05 ng                              | 150645 | Acenaphthene-d10 | 9.92         |      |
| Hit# of 5 | Tentative ID                         | MW     | MolForm          | CAS#         | Qual |
| 1         | Hexadecane                           | 226    | C16H34           | 000544-76-3  | 80   |
| 2         | Octadecane                           | 254    | C18H38           | 000593-45-3  | 80   |
| 3         | Sulfurous acid, 2-propyl tetradec... | 320    | C17H36O3S        | 1000309-12-5 | 72   |
| 4         | Octane, 2,4,6-trimethyl-             | 156    | C11H24           | 062016-37-9  | 72   |
| 5         | Sulfurous acid, 2-ethylhexyl hex...  | 278    | C14H30O3S        | 1000309-20-2 | 59   |



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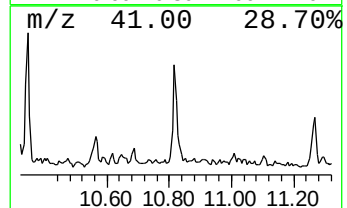
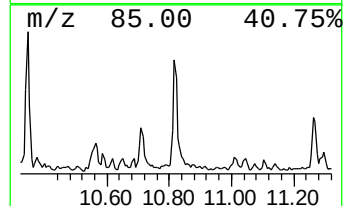
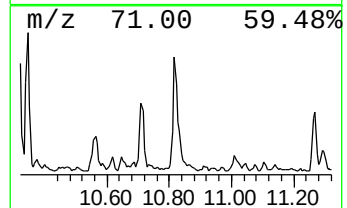
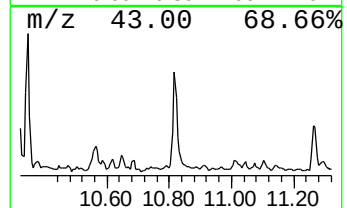
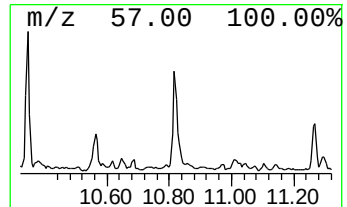
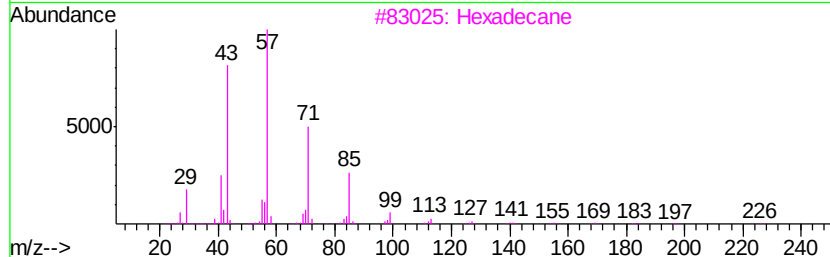
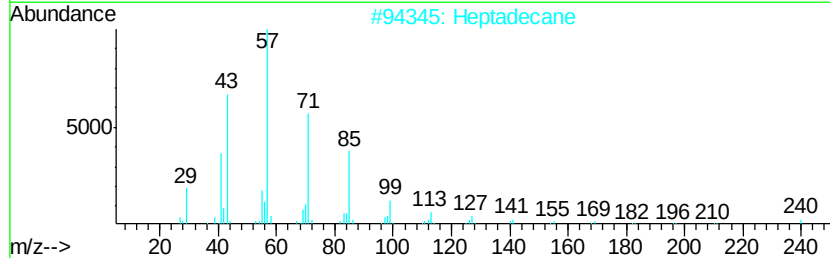
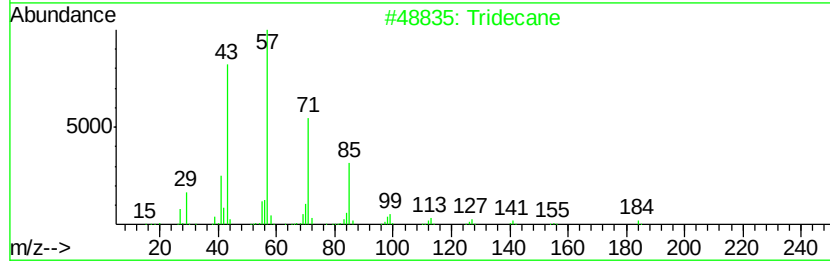
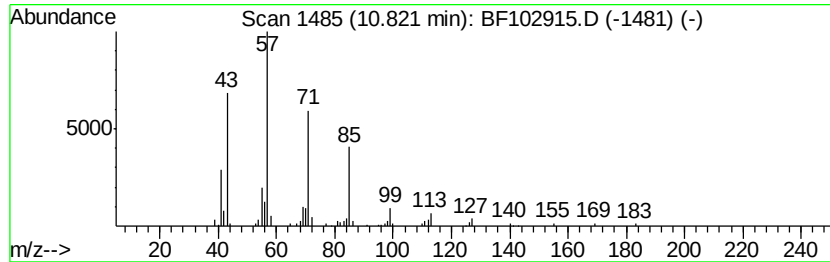
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Peak Number 6 Tridecane Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 10.82     | 2.82 ng                             | 174439 | Phenanthrene-d10 | 11.41        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Tridecane                           | 184    | C13H28           | 000629-50-5  | 90   |
| 2         | Heptadecane                         | 240    | C17H36           | 000629-78-7  | 90   |
| 3         | Hexadecane                          | 226    | C16H34           | 000544-76-3  | 90   |
| 4         | Tetratetracontane                   | 619    | C44H90           | 007098-22-8  | 90   |
| 5         | Sulfurous acid, 2-ethylhexyl hex... | 278    | C14H30O3S        | 1000309-20-2 | 80   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF021218\  
Data File : BF102915.D  
Acq On : 12 Feb 2018 12:51  
Operator : SJ/JU  
Sample : J1506-06  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

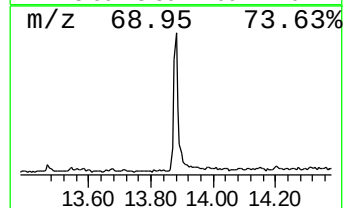
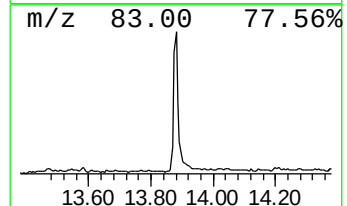
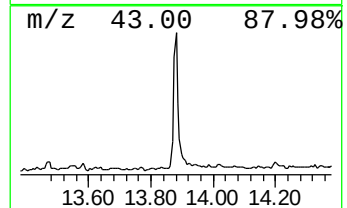
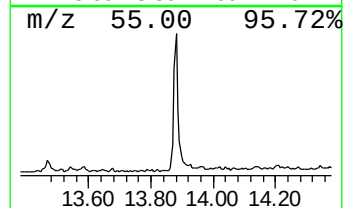
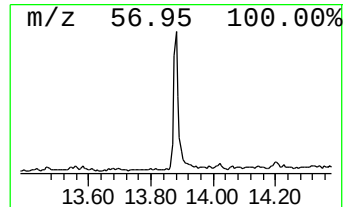
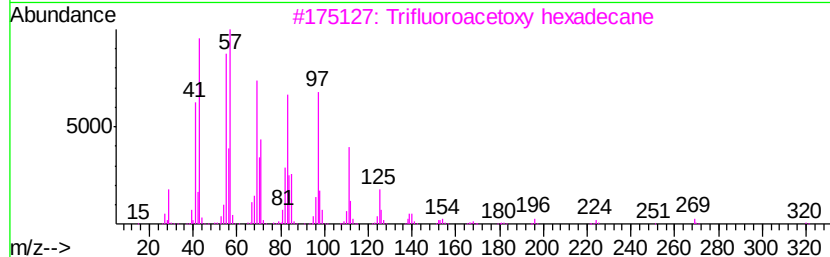
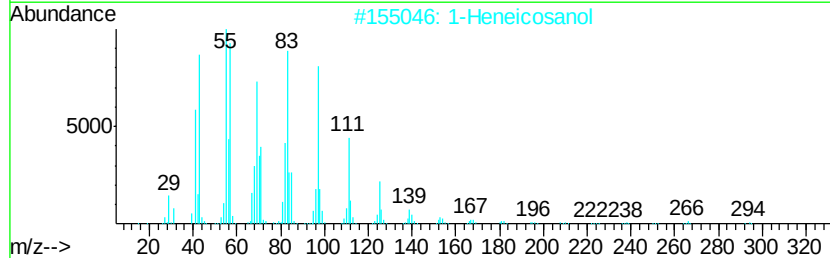
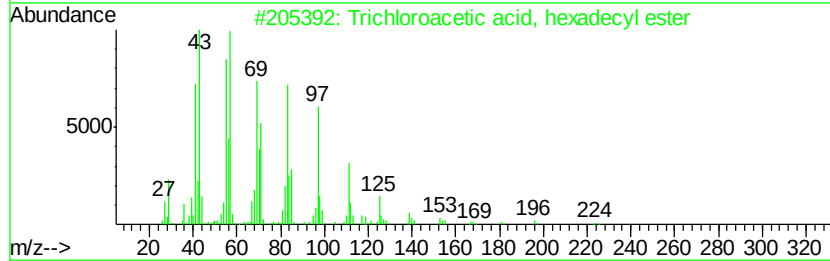
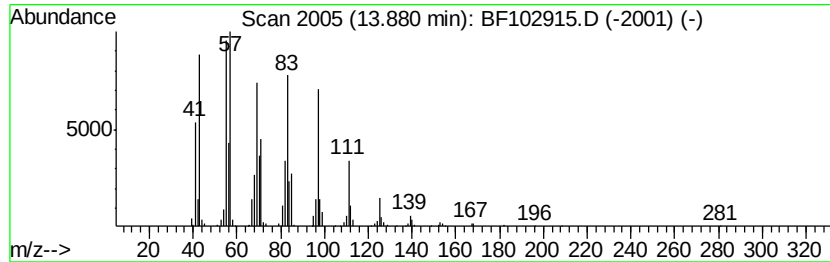
Instrument :  
BNA\_F  
ClientSampleId :  
B-21(14-16)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 Trichloroacetic acid, hexad... Concentration Rank 4

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 13.88     | 9.69 ng                             | 446152 | Chrysene-d12     | 14.05       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Trichloroacetic acid, hexadecyl ... | 386    | C18H33Cl3O2      | 074339-54-1 | 94   |
| 2         | 1-Heneicosanol                      | 312    | C21H44O          | 015594-90-8 | 94   |
| 3         | Trifluoroacetoxv hexadecane         | 338    | C18H33F3O2       | 006222-03-3 | 91   |
| 4         | Heptafluorobutyric acid, pentade... | 424    | C19H31F7O2       | 959261-23-5 | 91   |
| 5         | n-Tetracosanol-1                    | 354    | C24H50O          | 000506-51-4 | 91   |





Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF021218\  
Data File : BF102915.D  
Acq On : 12 Feb 2018 12:51  
Operator : SJ/JU  
Sample : J1506-06  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-21(14-16)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.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... | 2.19  | 14.1    | ng    | 775457   | 1                     | 6.89  | 1100010 | 20.0 |
| 2-Pentanone, 4-hy... | 5.12  | 3.2     | ng    | 174876   | 1                     | 6.89  | 1100010 | 20.0 |
| unknown6.66          | 6.66  | 84.5    | ng    | 4645700  | 1                     | 6.89  | 1100010 | 20.0 |
| Hexadecane           | 10.35 | 2.0     | ng    | 150645   | 3                     | 9.92  | 1467760 | 20.0 |
| Tridecane            | 10.82 | 2.8     | ng    | 174439   | 4                     | 11.41 | 1238730 | 20.0 |
| Trichloroacetic a... | 13.88 | 9.7     | ng    | 446152   | 5                     | 14.05 | 920529  | 20.0 |