

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012718\  
 Data File : BF102532.D  
 Acq On : 28 Jan 2018 1:12  
 Operator : SJ/JU  
 Sample : J1325-04  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-3025

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-BF012218.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         | 4.922       | 478           | 482         | 497          | rVB      | 73259          | 111632        | 3.02%           | 0.367%        |
| 2         | 5.328       | 547           | 551         | 567          | rBV      | 3112485        | 3514249       | 95.16%          | 11.561%       |
| 3         | 6.363       | 722           | 727         | 744          | rBV      | 3220075        | 3692868       | 100.00%         | 12.148%       |
| 4         | 6.487       | 744           | 748         | 751          | rBV      | 3631830        | 3500720       | 94.80%          | 11.516%       |
| 5         | 6.716       | 783           | 787         | 795          | rBV      | 963746         | 851995        | 23.07%          | 2.803%        |
| 6         | 6.869       | 809           | 813         | 817          | rBV      | 2918076        | 2616334       | 70.85%          | 8.607%        |
| 7         | 7.287       | 878           | 884         | 887          | rBV      | 2148806        | 2162355       | 58.55%          | 7.113%        |
| 8         | 7.387       | 898           | 901         | 910          | rVB3     | 35048          | 48367         | 1.31%           | 0.159%        |
| 9         | 7.998       | 1001          | 1005        | 1024         | rVB      | 1235886        | 1129677       | 30.59%          | 3.716%        |
| 10        | 9.075       | 1183          | 1188        | 1191         | rBV      | 3618055        | 3211302       | 86.96%          | 10.564%       |
| 11        | 9.145       | 1197          | 1200        | 1203         | rBV      | 49331          | 42181         | 1.14%           | 0.139%        |
| 12        | 9.469       | 1251          | 1255        | 1262         | rVB      | 551969         | 508001        | 13.76%          | 1.671%        |
| 13        | 9.675       | 1287          | 1290        | 1295         | rBV      | 153259         | 128835        | 3.49%           | 0.424%        |
| 14        | 9.751       | 1299          | 1303        | 1307         | rBV      | 1244883        | 1074720       | 29.10%          | 3.535%        |
| 15        | 10.175      | 1372          | 1375        | 1378         | rVB      | 178723         | 133859        | 3.62%           | 0.440%        |
| 16        | 10.392      | 1408          | 1412        | 1415         | rBV      | 43640          | 50451         | 1.37%           | 0.166%        |
| 17        | 10.539      | 1434          | 1437        | 1448         | rVB      | 1569730        | 1597699       | 43.26%          | 5.256%        |
| 18        | 10.645      | 1453          | 1455        | 1465         | rVB      | 139076         | 153117        | 4.15%           | 0.504%        |
| 19        | 11.098      | 1529          | 1532        | 1534         | rBV      | 64736          | 59883         | 1.62%           | 0.197%        |
| 20        | 11.233      | 1552          | 1555        | 1558         | rBV      | 902241         | 839437        | 22.73%          | 2.761%        |
| 21        | 11.257      | 1558          | 1559        | 1565         | rVB      | 108680         | 87398         | 2.37%           | 0.288%        |
| 22        | 12.445      | 1758          | 1761        | 1767         | rBV      | 186911         | 178525        | 4.83%           | 0.587%        |
| 23        | 12.674      | 1796          | 1800        | 1805         | rVB      | 151757         | 160452        | 4.34%           | 0.528%        |
| 24        | 12.822      | 1820          | 1825        | 1828         | rBV      | 2172937        | 1997494       | 54.09%          | 6.571%        |
| 25        | 13.710      | 1973          | 1976        | 1986         | rVB2     | 328757         | 409418        | 11.09%          | 1.347%        |
| 26        | 13.874      | 1997          | 2004        | 2007         | rBV      | 851010         | 878716        | 23.79%          | 2.891%        |
| 27        | 13.898      | 2007          | 2008        | 2016         | rVB      | 93926          | 95107         | 2.58%           | 0.313%        |
| 28        | 14.033      | 2027          | 2031        | 2037         | rBV8     | 25664          | 43753         | 1.18%           | 0.144%        |
| 29        | 14.698      | 2141          | 2144        | 2149         | rVB      | 109217         | 109590        | 2.97%           | 0.361%        |
| 30        | 14.898      | 2174          | 2178        | 2185         | rBV      | 80574          | 149279        | 4.04%           | 0.491%        |
| 31        | 15.186      | 2224          | 2227        | 2232         | rVB      | 48253          | 64745         | 1.75%           | 0.213%        |
| 32        | 15.245      | 2234          | 2237        | 2242         | rVB      | 65939          | 86939         | 2.35%           | 0.286%        |
| 33        | 15.304      | 2242          | 2247        | 2257         | rBV      | 541461         | 709336        | 19.21%          | 2.333%        |

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Integration Parameters: rteint.p  
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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:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

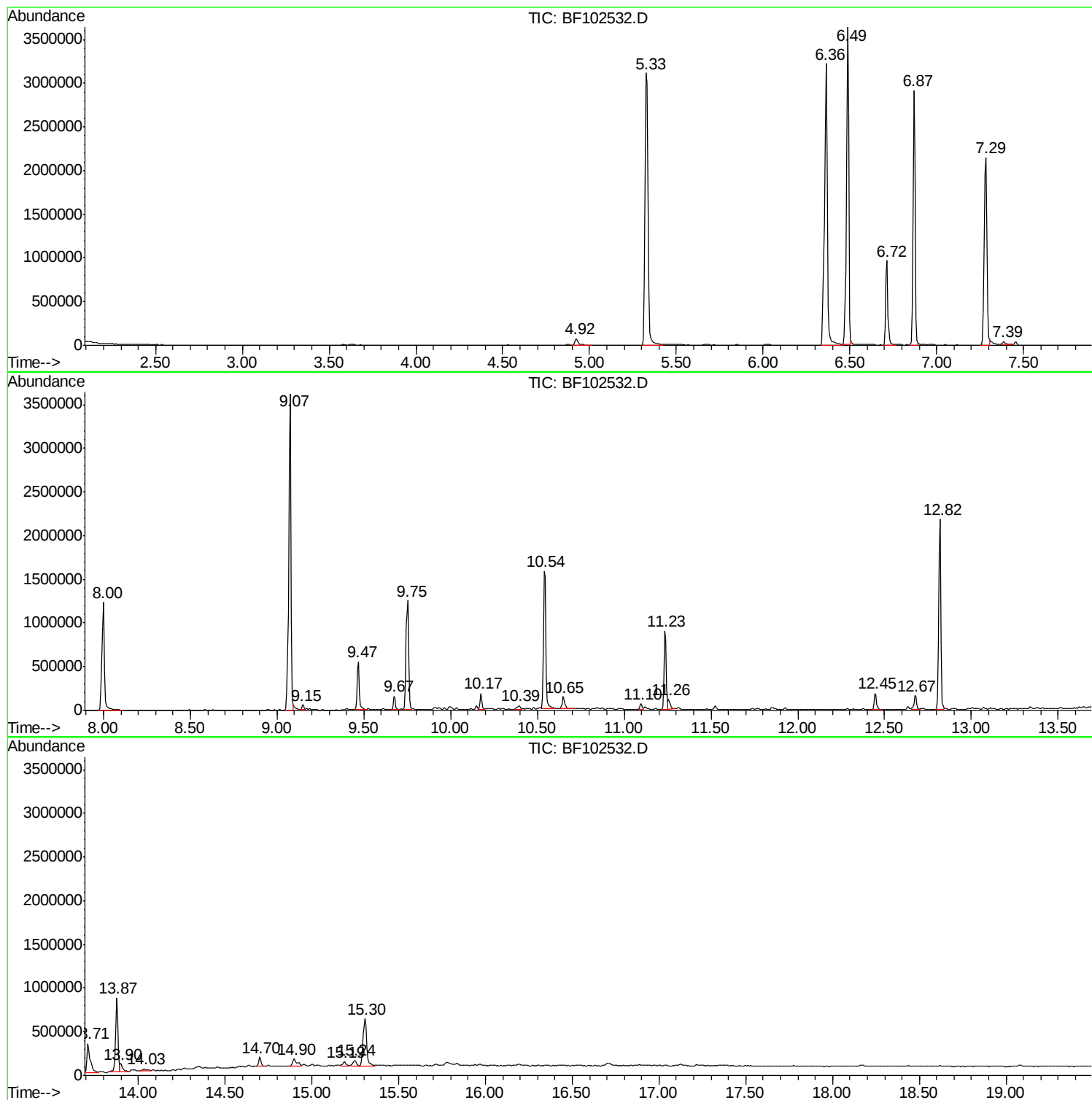
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

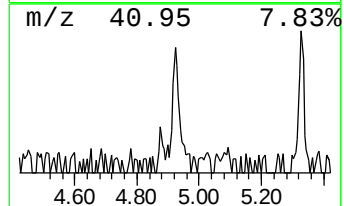
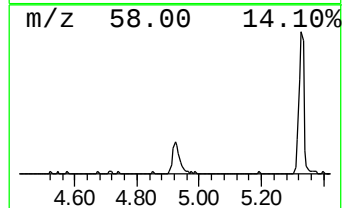
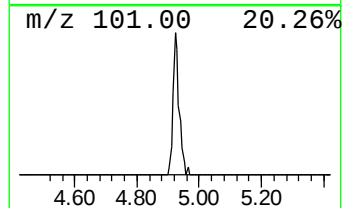
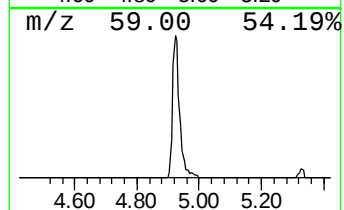
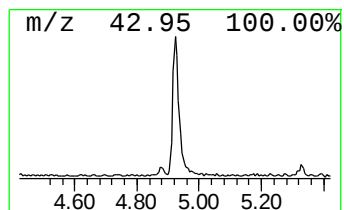
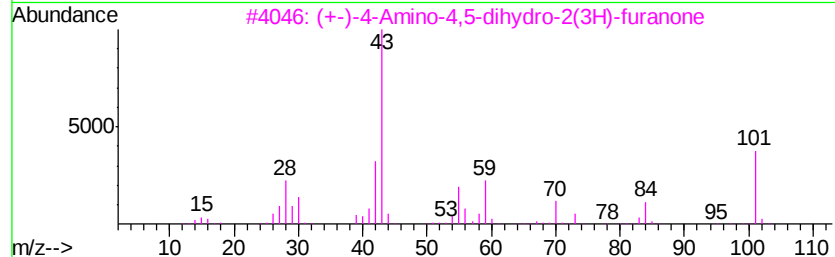
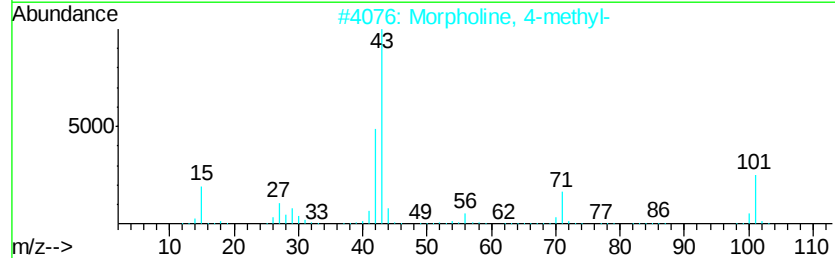
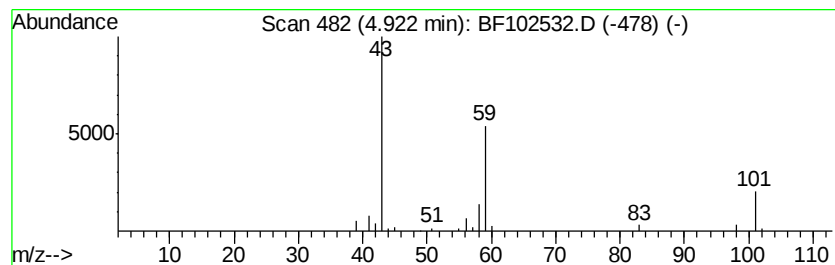
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.92 | 2.62 ng | 111632 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    |   | Morpholine, 4-methyl-              | 101 | C5H11NO | 000109-02-4 | 9    |
| 3    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9    |
| 4    |    |   | 2,3-Butanedione, monooxime         | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 5    |    |   | Butane, 1-ethoxy-                  | 102 | C6H14O  | 000628-81-9 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

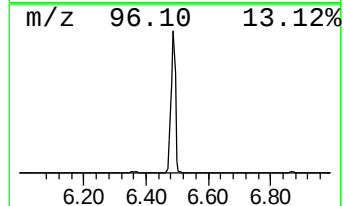
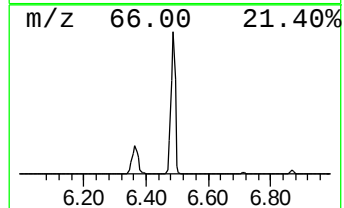
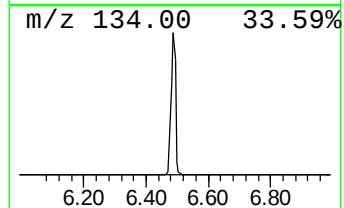
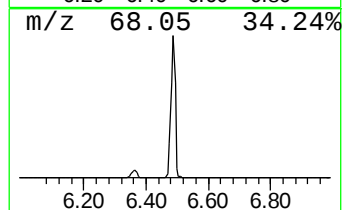
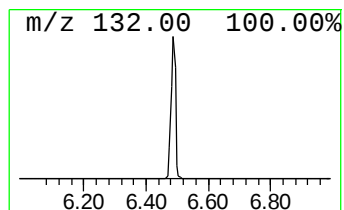
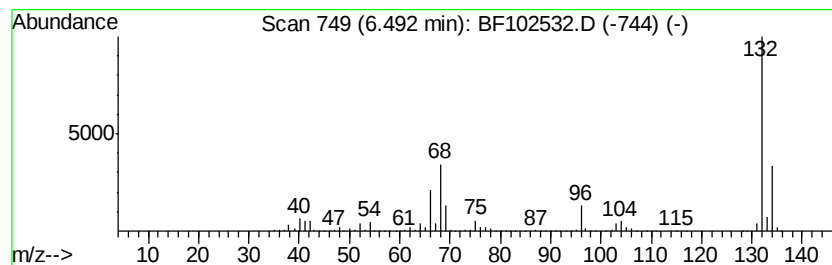
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.49 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.49 | 82.18 ng | 3500720 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | 4-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-60-2  | 9    |



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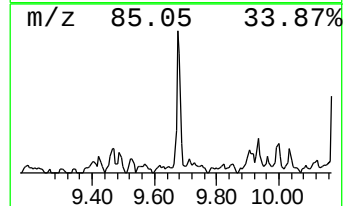
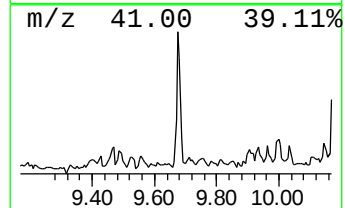
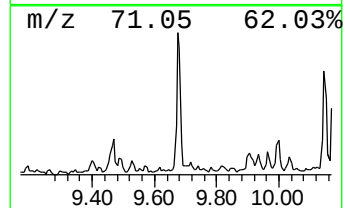
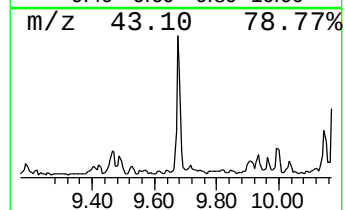
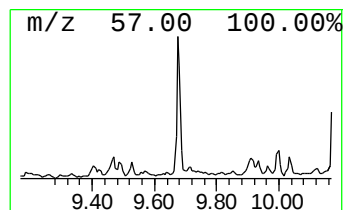
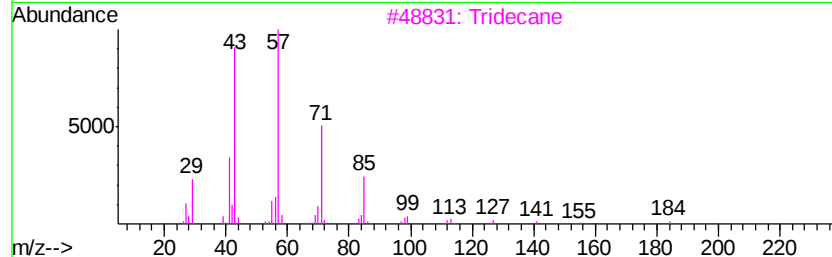
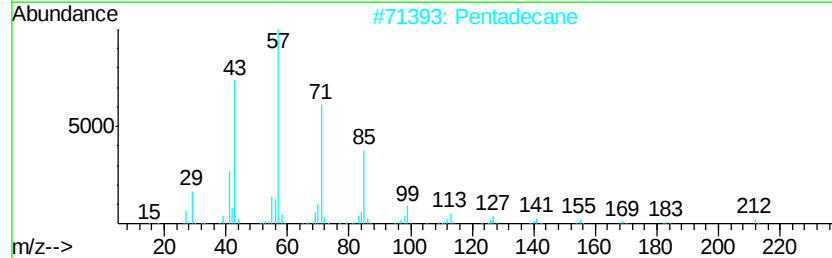
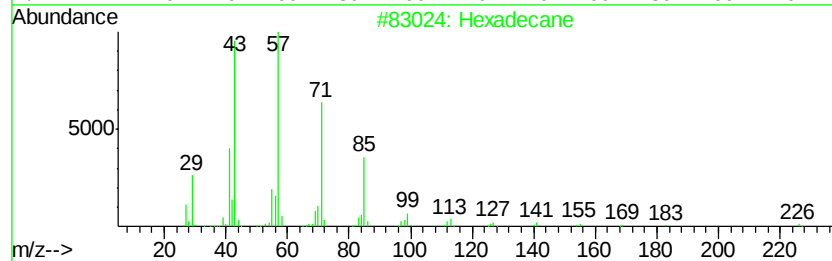
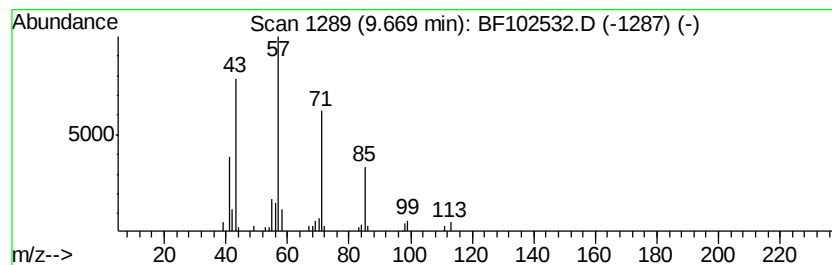
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Hexadecane Concentration Rank 8

| R.T.    | EstConc          | Area         | Relative to ISTD | R.T.      |
|---------|------------------|--------------|------------------|-----------|
| 9.67    | 2.40 ng          | 128835       | Acenaphthene-d10 | 9.75      |
| Hit# of | 5                | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Hexadecane       | 226 C16H34   | 000544-76-3      | 91        |
| 2       | Pentadecane      | 212 C15H32   | 000629-62-9      | 86        |
| 3       | Tridecane        | 184 C13H28   | 000629-50-5      | 78        |
| 4       | Tetradecane      | 198 C14H30   | 000629-59-4      | 58        |
| 5       | Decane, 3-bromo- | 220 C10H21Br | 030571-71-2      | 53        |



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Misc :  
ALS Vial : 21 Sample Multiplier: 1

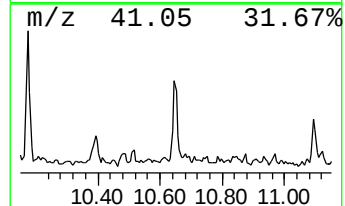
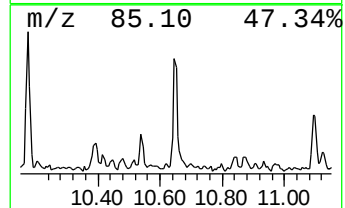
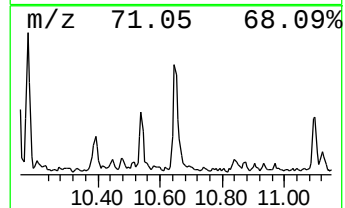
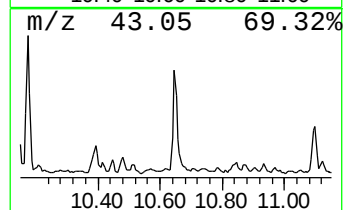
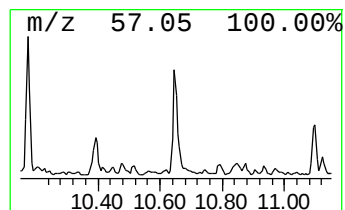
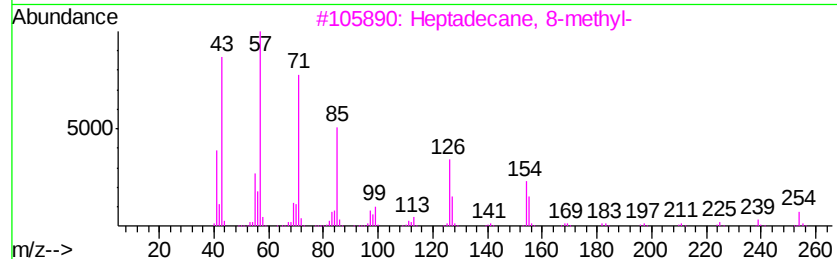
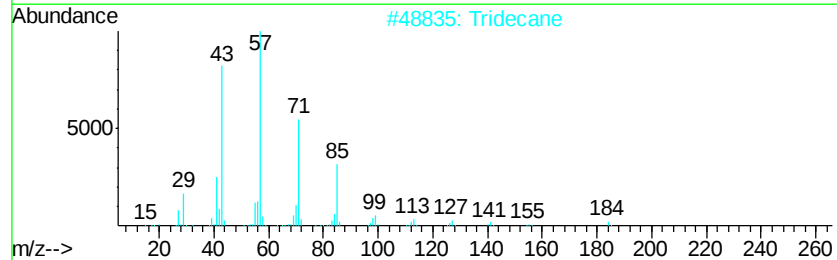
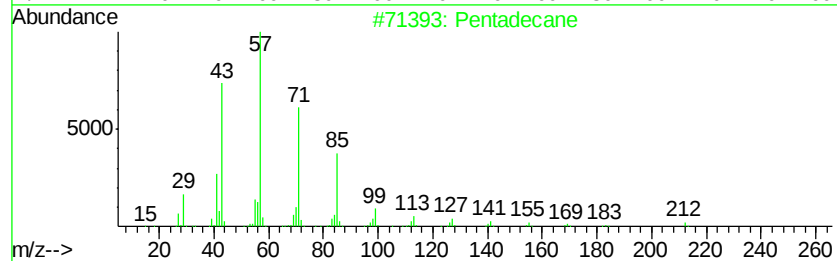
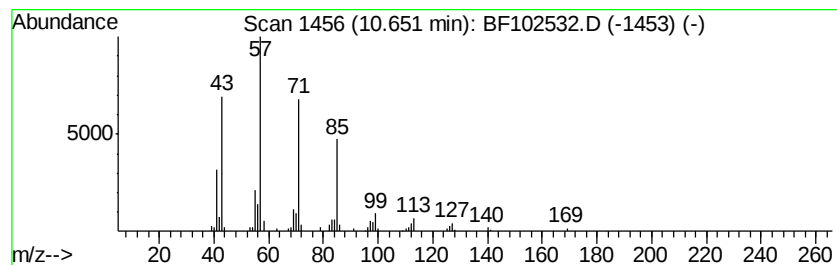
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Pentadecane Concentration Rank 4

| R.T.      | EstConc                | Area   | Relative to ISTD |             | R.T.  |
|-----------|------------------------|--------|------------------|-------------|-------|
| 10.65     | 3.65 ng                | 153117 | Phenanthrene-d10 |             | 11.23 |
| Hit# of 5 | Tentative ID           | MW     | MolForm          | CAS#        | Qual  |
| 1         | Pentadecane            | 212    | C15H32           | 000629-62-9 | 91    |
| 2         | Tridecane              | 184    | C13H28           | 000629-50-5 | 90    |
| 3         | Heptadecane, 8-methyl- | 254    | C18H38           | 013287-23-5 | 90    |
| 4         | Tetradecane            | 198    | C14H30           | 000629-59-4 | 90    |
| 5         | Hexadecane             | 226    | C16H34           | 000544-76-3 | 90    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

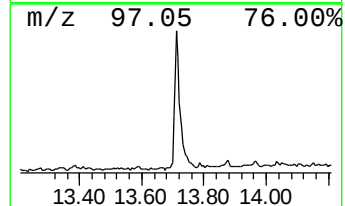
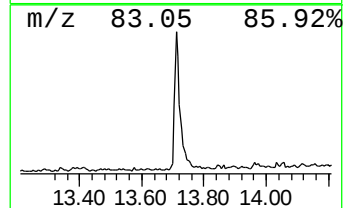
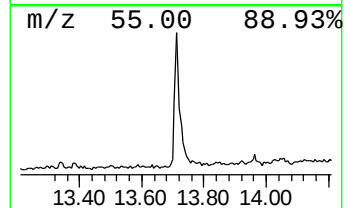
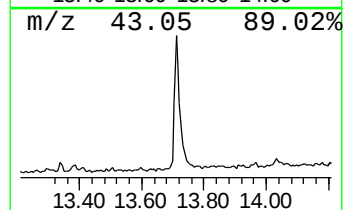
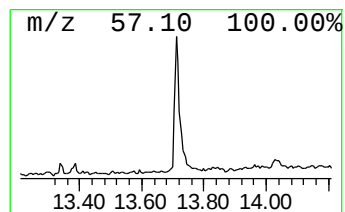
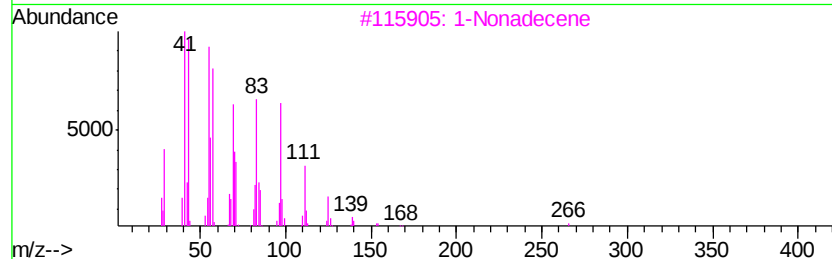
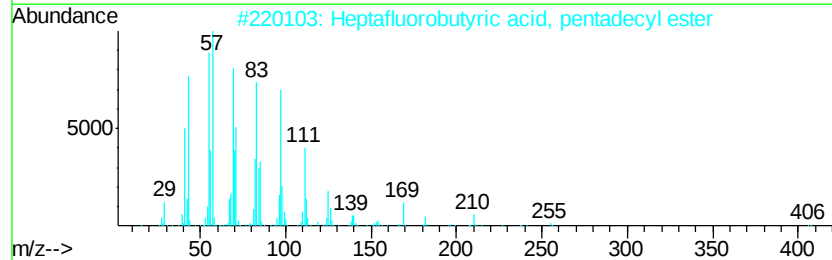
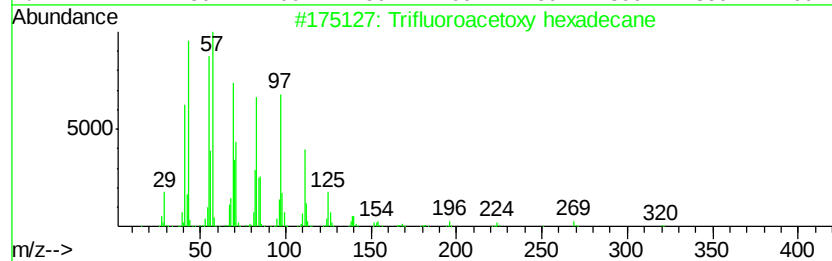
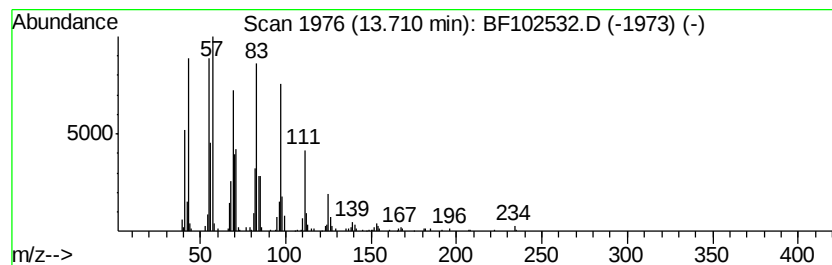
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Trifluoroacetoxy hexadecane Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.71 | 9.32 ng | 409418 | Chrysene-d12     | 13.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2 | 006222-03-3 | 94   |
| 2    |    | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 94   |
| 3    |    | 1-Nonadecene                        | 266 | C19H38     | 018435-45-5 | 91   |
| 4    |    | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 91   |
| 5    |    | 1-Docosene                          | 308 | C22H44     | 001599-67-3 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012718\  
Data File : BF102532.D  
Acq On : 28 Jan 2018 1:12  
Operator : SJ/JU  
Sample : J1325-04  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RO-3025

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

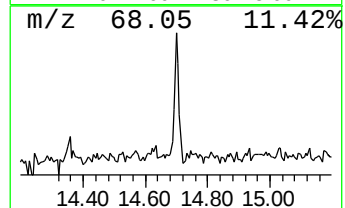
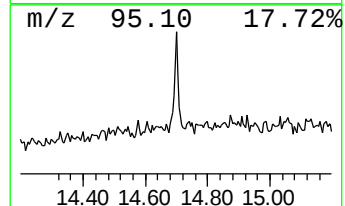
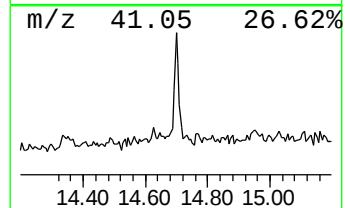
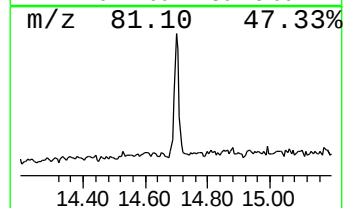
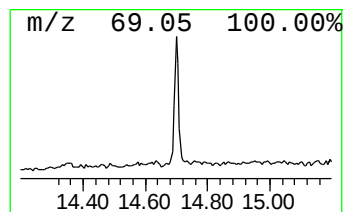
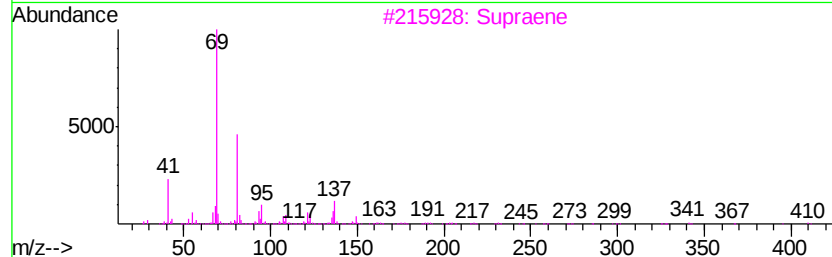
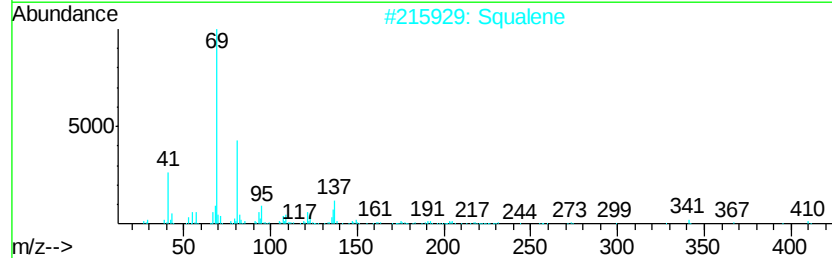
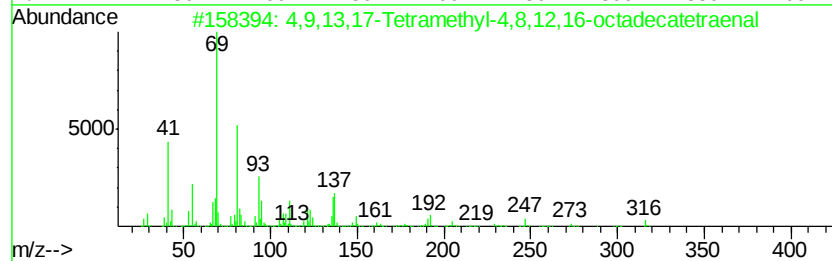
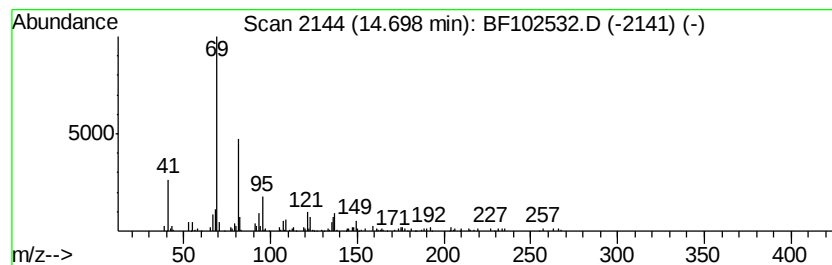
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 4,9,13,17-Tetramethyl-4,8,1... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.70 | 3.09 ng | 109590 | Perylene-d12     | 15.30 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O | 056882-09-8 | 72   |
| 2    |    | Squalene                            | 410 | C30H50  | 000111-02-4 | 72   |
| 3    |    | Supraene                            | 410 | C30H50  | 007683-64-9 | 72   |
| 4    |    | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4 | 64   |
| 5    |    | 3,7,11-Tridecatrienitrile, 4,8...   | 231 | C16H25N | 006006-01-5 | 56   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012718\  
Data File : BF102532.D  
Acq On : 28 Jan 2018 1:12  
Operator : SJ/JU  
Sample : J1325-04  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RO-3025

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.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 |
| 2-Pentanone, 4-hy... | 4.92  | 2.6     | ng    | 111632   | 1                     | 6.72  | 851995  | 20.0 |
| unknown6.49          | 6.49  | 82.2    | ng    | 3500720  | 1                     | 6.72  | 851995  | 20.0 |
| Hexadecane           | 9.67  | 2.4     | ng    | 128835   | 3                     | 9.75  | 1074720 | 20.0 |
| Pentadecane          | 10.65 | 3.6     | ng    | 153117   | 4                     | 11.23 | 839437  | 20.0 |
| Trifluoroacetoxy ... | 13.71 | 9.3     | ng    | 409418   | 5                     | 13.87 | 878716  | 20.0 |
| 4,9,13,17-Tetrame... | 14.70 | 3.1     | ng    | 109590   | 6                     | 15.30 | 709336  | 20.0 |