

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF021618\  
 Data File : BF103062.D  
 Acq On : 16 Feb 2018 19:39  
 Operator : SJ/JU  
 Sample : J1584-03  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-02-012-B

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         | 2.163       | 8             | 13          | 21           | rBV      | 895121         | 1162369       | 29.87%          | 3.457%        |
| 2         | 5.081       | 505           | 509         | 512          | rBV      | 31264          | 42970         | 1.10%           | 0.128%        |
| 3         | 5.116       | 512           | 515         | 524          | rVB      | 97962          | 130444        | 3.35%           | 0.388%        |
| 4         | 5.504       | 576           | 581         | 584          | rBV      | 3714322        | 3866741       | 99.37%          | 11.499%       |
| 5         | 6.510       | 747           | 752         | 768          | rBV      | 3435232        | 3891366       | 100.00%         | 11.572%       |
| 6         | 6.651       | 771           | 776         | 779          | rBV      | 3731109        | 3740003       | 96.11%          | 11.122%       |
| 7         | 6.875       | 811           | 814         | 818          | rBV      | 1250908        | 1039436       | 26.71%          | 3.091%        |
| 8         | 7.034       | 837           | 841         | 844          | rBV      | 3159538        | 2797851       | 71.90%          | 8.320%        |
| 9         | 7.439       | 905           | 910         | 913          | rBV      | 2373642        | 2364135       | 60.75%          | 7.030%        |
| 10        | 8.157       | 1029          | 1032        | 1039         | rBV      | 1419294        | 1289480       | 33.14%          | 3.835%        |
| 11        | 9.233       | 1211          | 1215        | 1218         | rBV      | 3660384        | 3235560       | 83.15%          | 9.622%        |
| 12        | 9.304       | 1224          | 1227        | 1230         | rVB      | 69471          | 53918         | 1.39%           | 0.160%        |
| 13        | 9.622       | 1277          | 1281        | 1289         | rBV      | 264520         | 261267        | 6.71%           | 0.777%        |
| 14        | 9.833       | 1313          | 1317        | 1321         | rBV      | 155649         | 126030        | 3.24%           | 0.375%        |
| 15        | 9.916       | 1327          | 1331        | 1335         | rBV      | 1342606        | 1168315       | 30.02%          | 3.474%        |
| 16        | 10.333      | 1399          | 1402        | 1405         | rVB      | 182510         | 135651        | 3.49%           | 0.403%        |
| 17        | 10.551      | 1435          | 1439        | 1442         | rBV      | 49940          | 56104         | 1.44%           | 0.167%        |
| 18        | 10.704      | 1461          | 1465        | 1475         | rVB      | 1733199        | 1700711       | 43.70%          | 5.058%        |
| 19        | 10.804      | 1480          | 1482        | 1488         | rBV      | 124593         | 151774        | 3.90%           | 0.451%        |
| 20        | 11.257      | 1556          | 1559        | 1561         | rBV      | 61678          | 55279         | 1.42%           | 0.164%        |
| 21        | 11.286      | 1561          | 1564        | 1571         | rVB2     | 32508          | 43235         | 1.11%           | 0.129%        |
| 22        | 11.404      | 1580          | 1584        | 1587         | rBV      | 1129019        | 1008884       | 25.93%          | 3.000%        |
| 23        | 11.427      | 1587          | 1588        | 1592         | rVB      | 156578         | 96613         | 2.48%           | 0.287%        |
| 24        | 12.016      | 1685          | 1688        | 1698         | rVB3     | 37858          | 71313         | 1.83%           | 0.212%        |
| 25        | 12.616      | 1787          | 1790        | 1795         | rBV      | 244247         | 228525        | 5.87%           | 0.680%        |
| 26        | 12.851      | 1824          | 1830        | 1832         | rBV      | 241656         | 267185        | 6.87%           | 0.795%        |
| 27        | 12.986      | 1849          | 1853        | 1857         | rBV      | 2485063        | 2429981       | 62.45%          | 7.226%        |
| 28        | 13.868      | 2000          | 2003        | 2011         | rBV2     | 288445         | 323352        | 8.31%           | 0.962%        |
| 29        | 14.045      | 2029          | 2033        | 2036         | rBV      | 870887         | 927857        | 23.84%          | 2.759%        |
| 30        | 14.074      | 2036          | 2038        | 2041         | rVB      | 100135         | 84061         | 2.16%           | 0.250%        |
| 31        | 14.509      | 2109          | 2112        | 2118         | rBV3     | 80638          | 125475        | 3.22%           | 0.373%        |
| 32        | 15.104      | 2210          | 2213        | 2215         | rBV      | 69002          | 82861         | 2.13%           | 0.246%        |
| 33        | 15.539      | 2283          | 2287        | 2297         | rVB2     | 524416         | 668558        | 17.18%          | 1.988%        |

## LSC Area Percent Report

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ClientSampleId :  
FK-GF-02-012-B

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

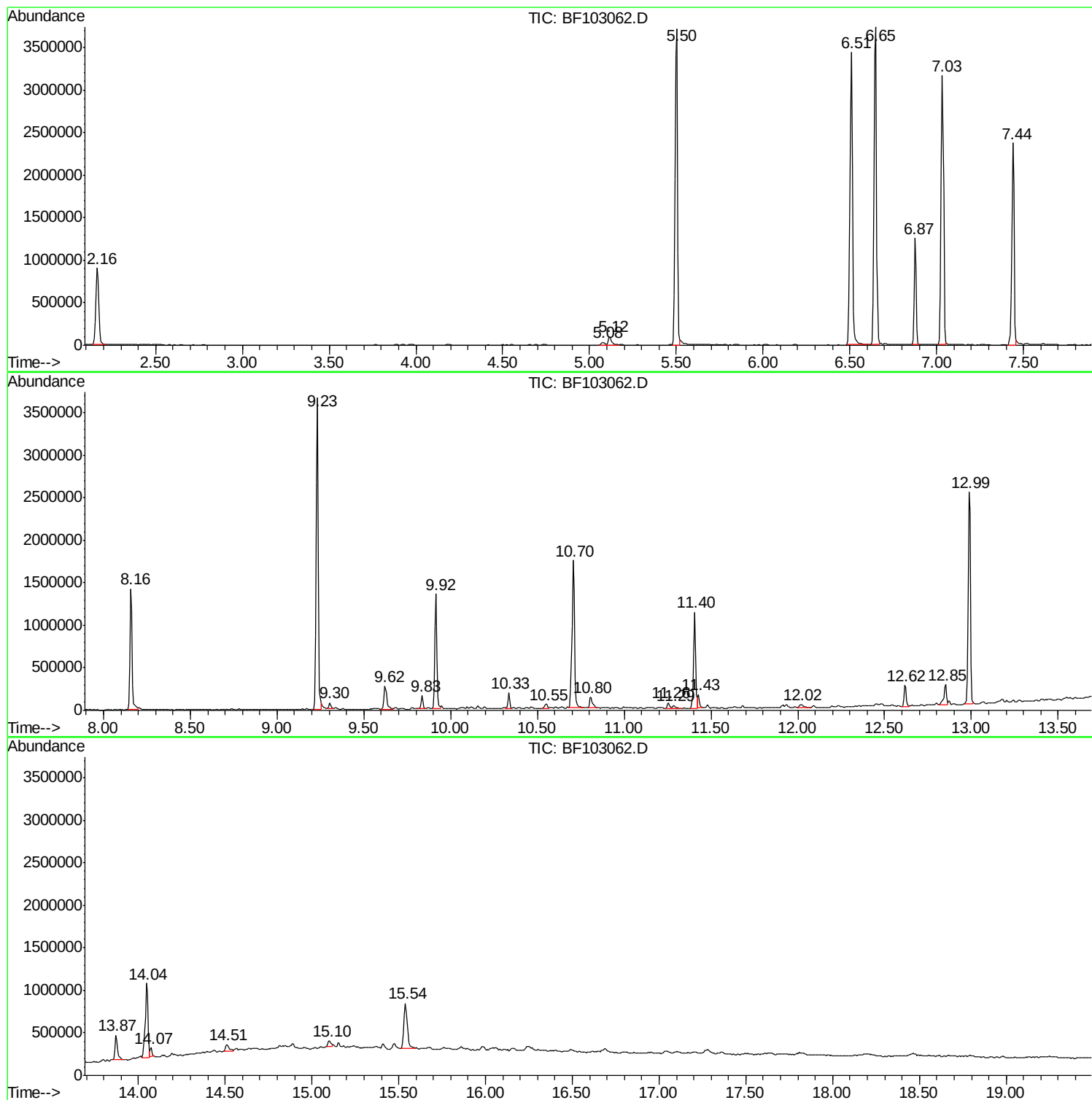
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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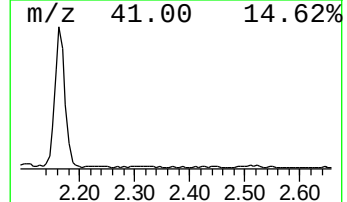
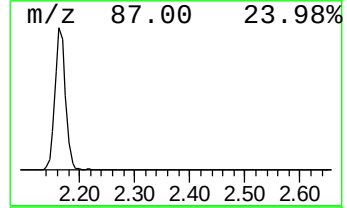
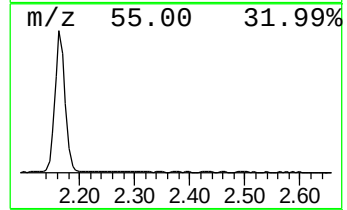
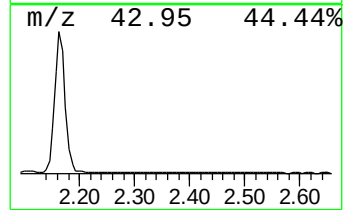
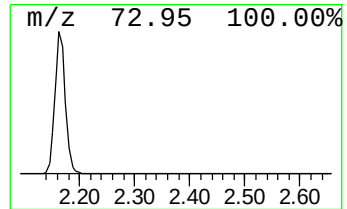
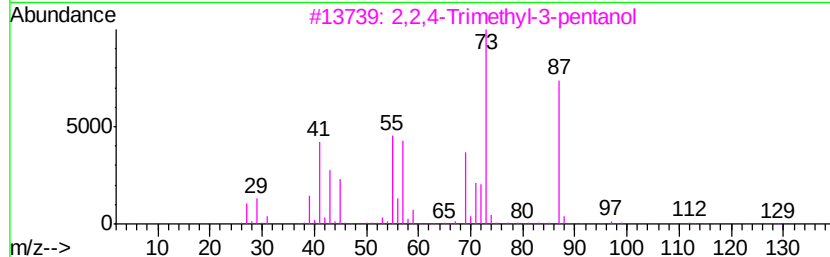
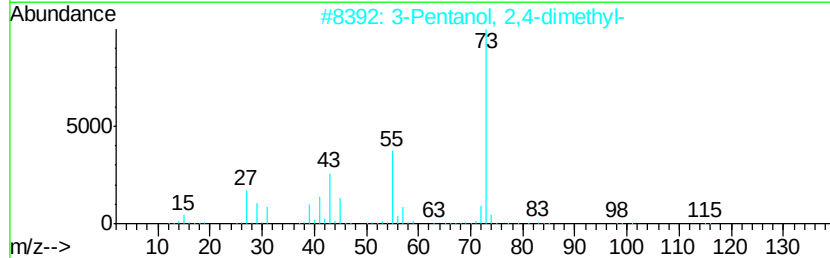
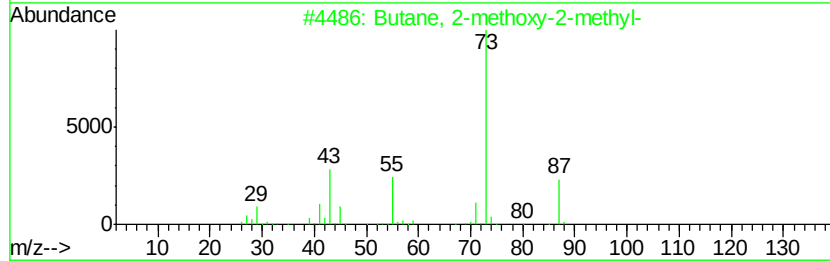
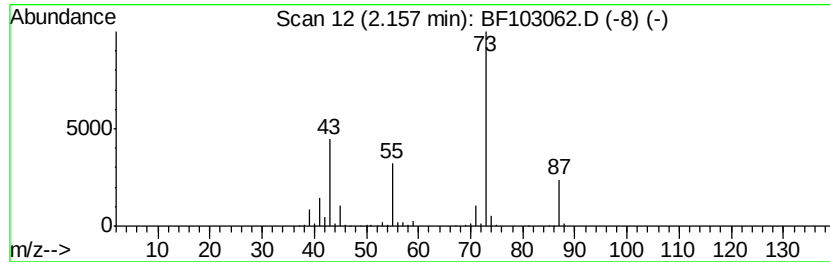
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 2.16 | 22.37 ng | 1162370 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 43   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 4    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



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Instrument :  
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ClientSampleId :  
FK-GF-02-012-B

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

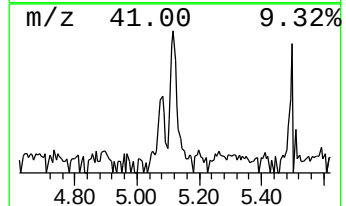
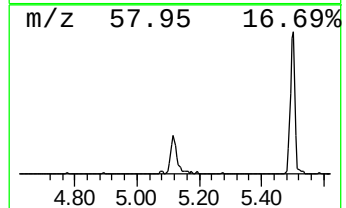
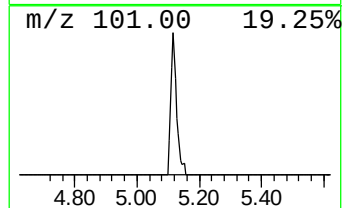
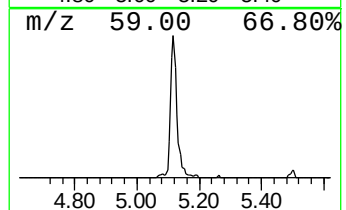
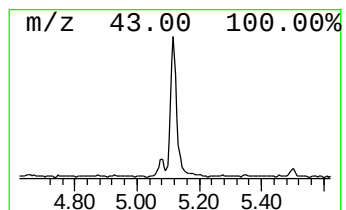
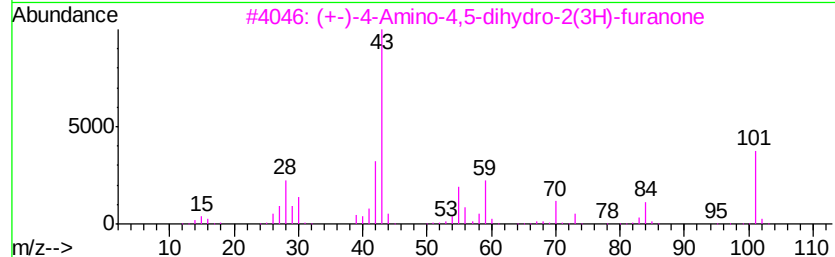
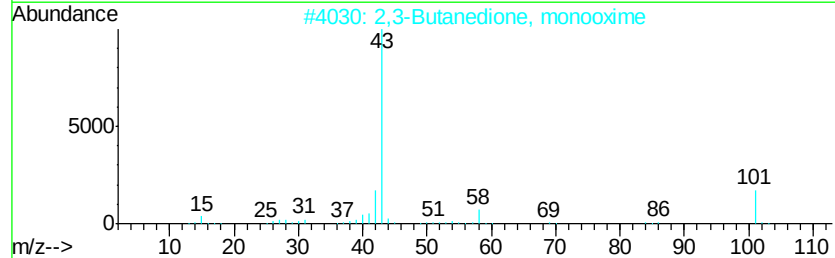
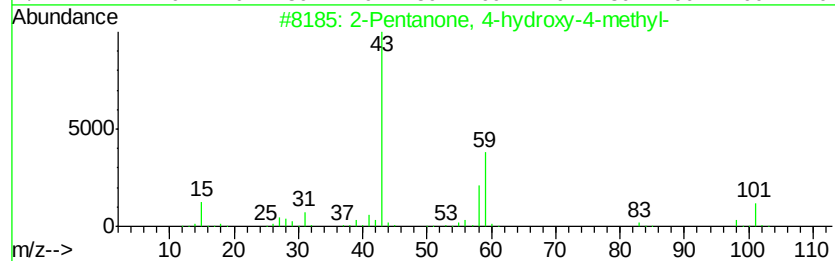
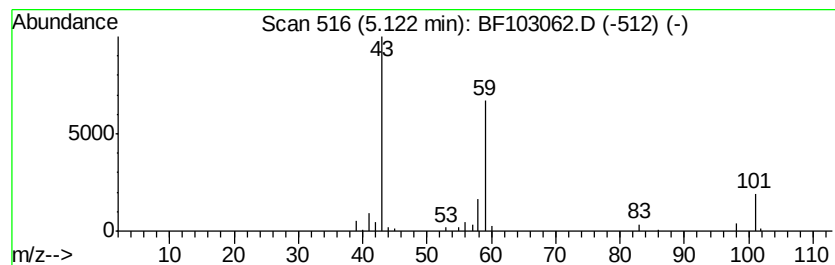
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.12 | 2.51 ng | 130444 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 72   |
| 2    |    |   | 2,3-Butanedione, monooxime         | 101 | C4H7NO2 | 000057-71-6 | 25   |
| 3    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9    |
| 4    |    |   | Guanidine                          | 59  | CH5N3   | 000113-00-8 | 9    |
| 5    |    |   | Butane, 1-ethoxy-                  | 102 | C6H14O  | 000628-81-9 | 9    |



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Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-012-B

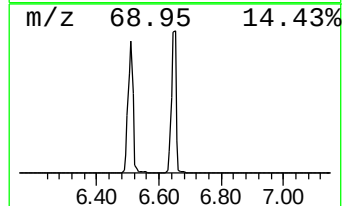
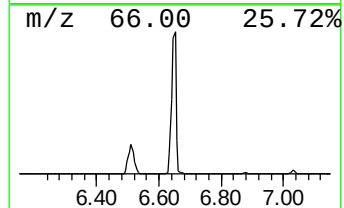
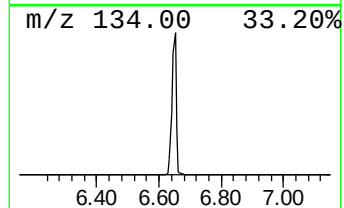
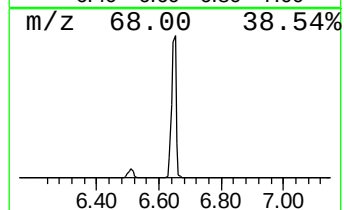
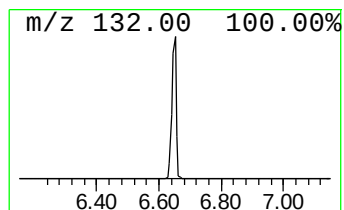
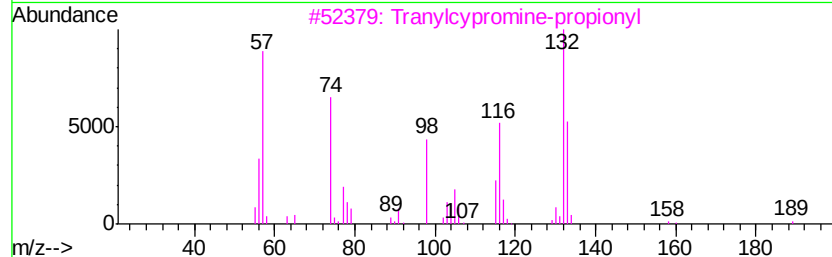
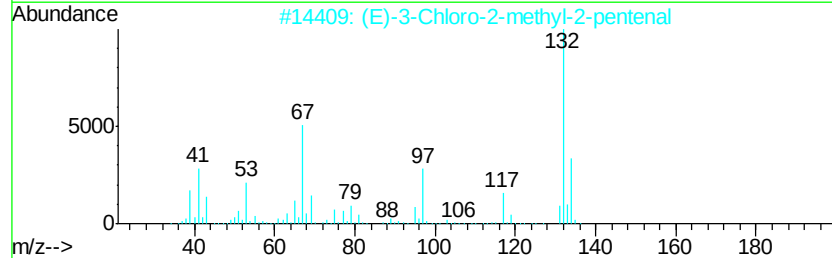
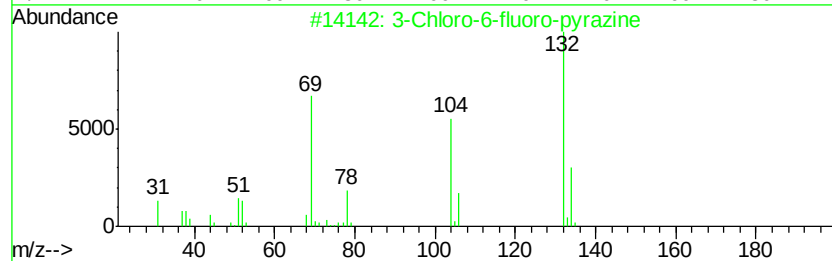
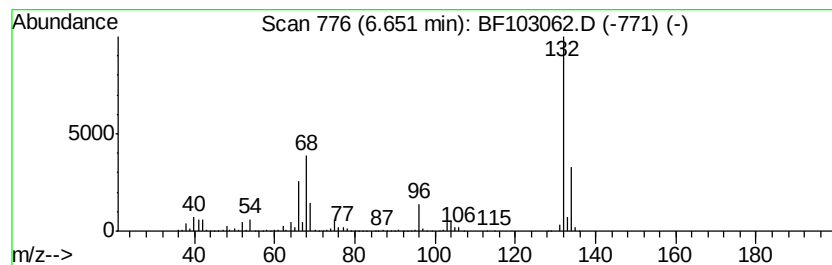
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 unknown6.65 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.65 | 71.96 ng | 3740000 | 1,4-Dichlorobenzene-d4 | 6.87 |

| 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  | 17   |
| 3    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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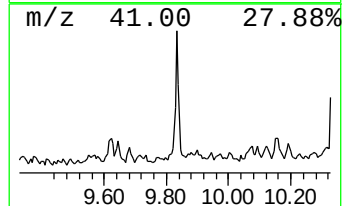
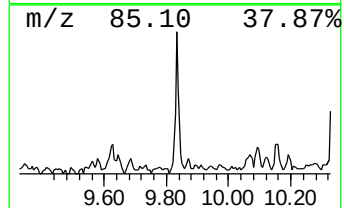
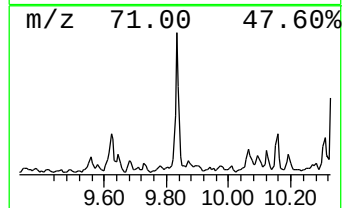
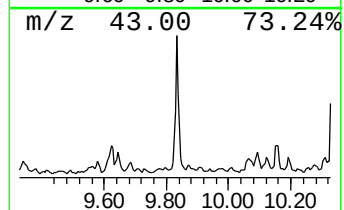
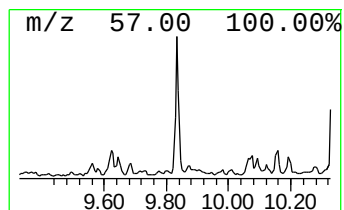
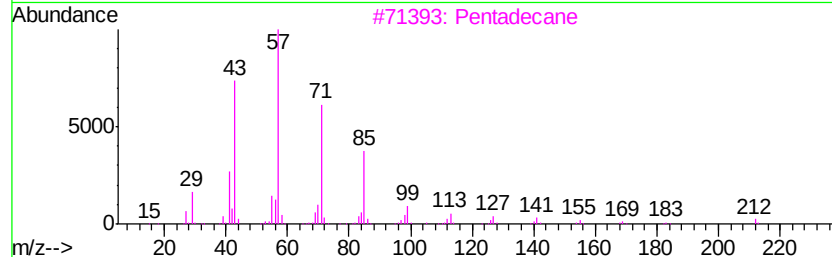
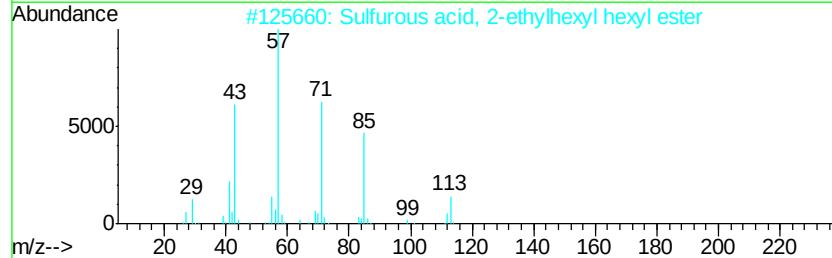
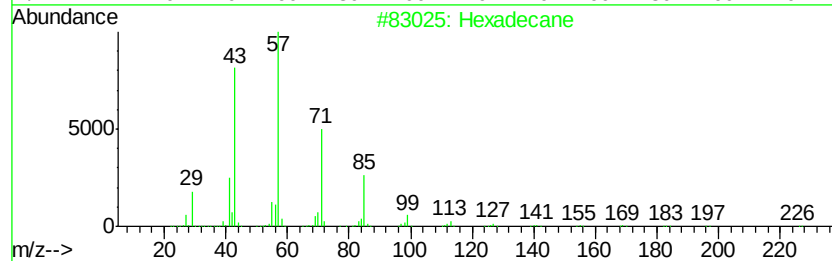
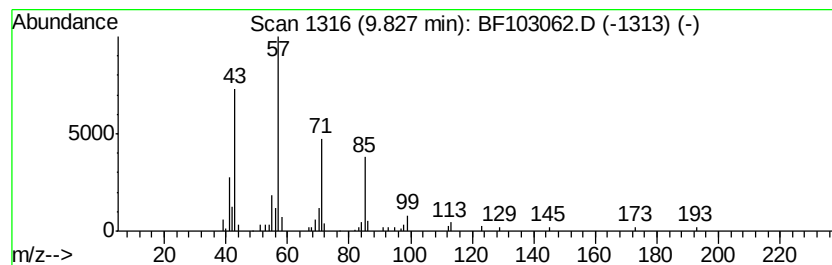
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Hexadecane Concentration Rank 9

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.83 | 2.16 ng | 126030 | Acenaphthene-d10 | 9.92 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Hexadecane                          | 226 | C16H34    | 000544-76-3  | 90   |
| 2    |    | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 80   |
| 3    |    | Pentadecane                         | 212 | C15H32    | 000629-62-9  | 78   |
| 4    |    | Tridecane                           | 184 | C13H28    | 000629-50-5  | 72   |
| 5    |    | Tridecane, 6-methyl-                | 198 | C14H30    | 013287-21-3  | 59   |



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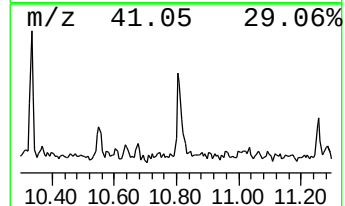
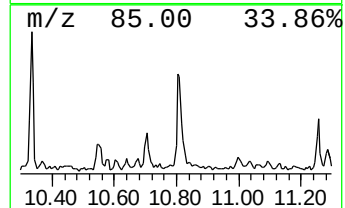
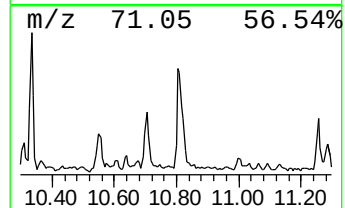
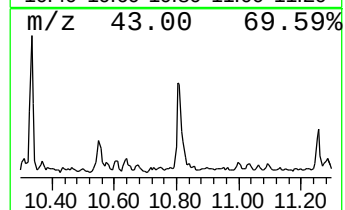
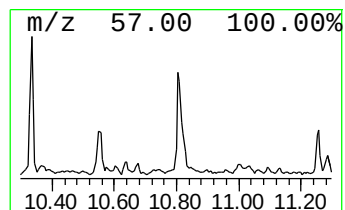
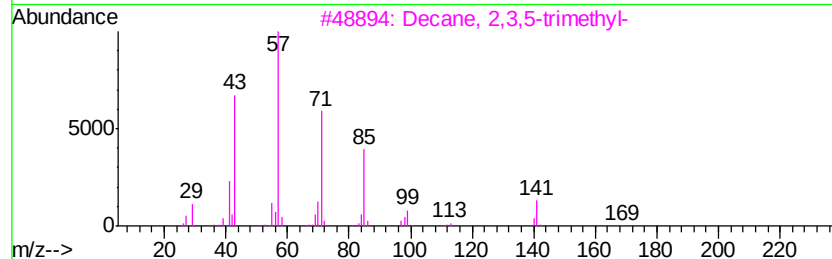
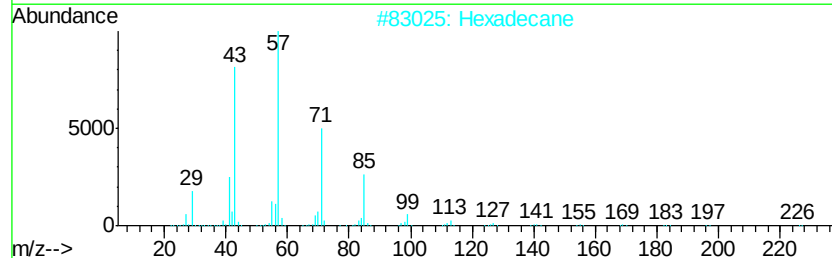
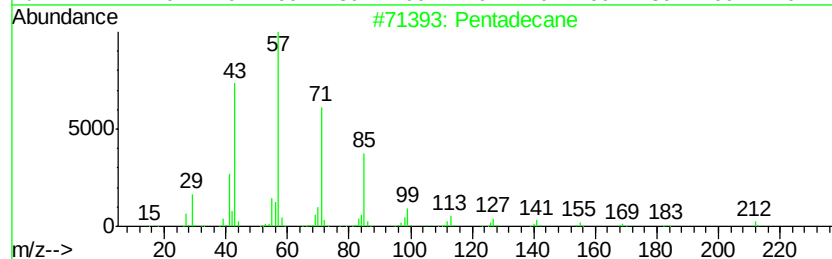
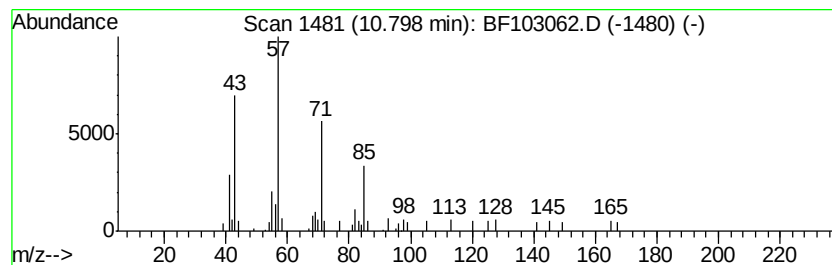
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Pentadecane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.80 | 3.01 ng | 151774 | Phenanthrene-d10 | 11.40 |

| Hit# of | 5                        | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------------|--------------|-----|---------|-------------|------|
| 1       | Pentadecane              |              | 212 | C15H32  | 000629-62-9 | 90   |
| 2       | Hexadecane               |              | 226 | C16H34  | 000544-76-3 | 90   |
| 3       | Decane, 2,3,5-trimethyl- |              | 184 | C13H28  | 062238-11-3 | 86   |
| 4       | Heptadecane              |              | 240 | C17H36  | 000629-78-7 | 83   |
| 5       | Eicosane                 |              | 282 | C20H42  | 000112-95-8 | 80   |





Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF021618\  
Data File : BF103062.D  
Acq On : 16 Feb 2018 19:39  
Operator : SJ/JU  
Sample : J1584-03  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

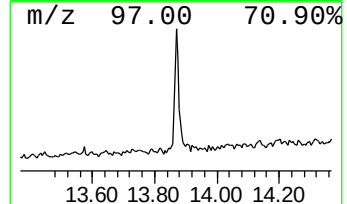
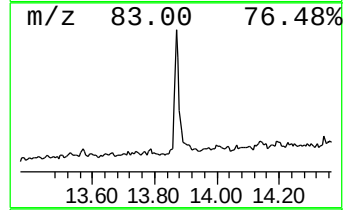
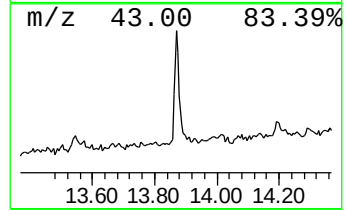
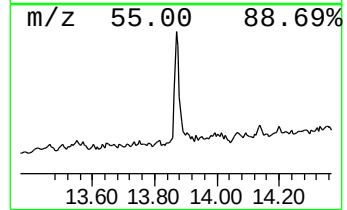
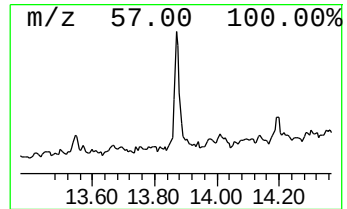
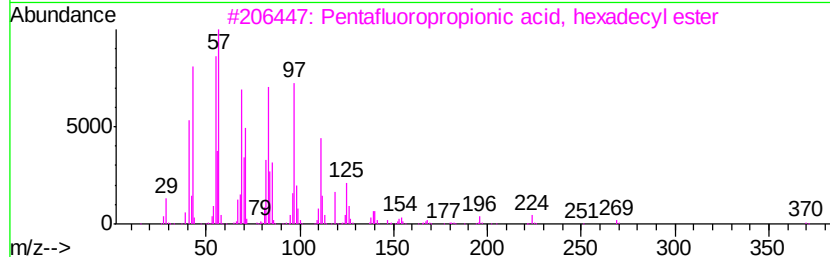
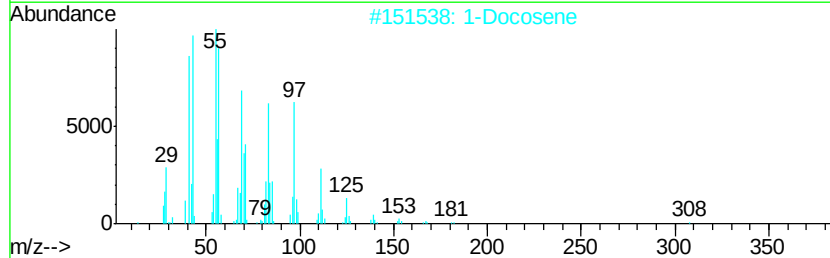
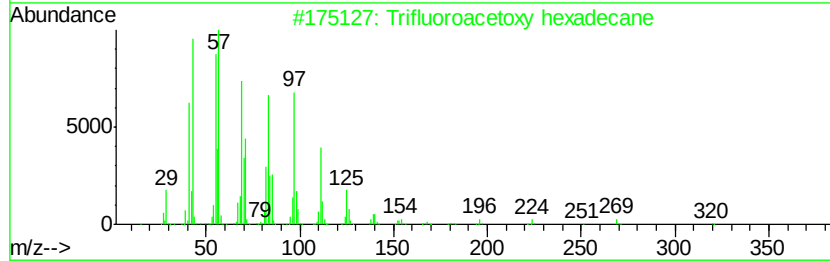
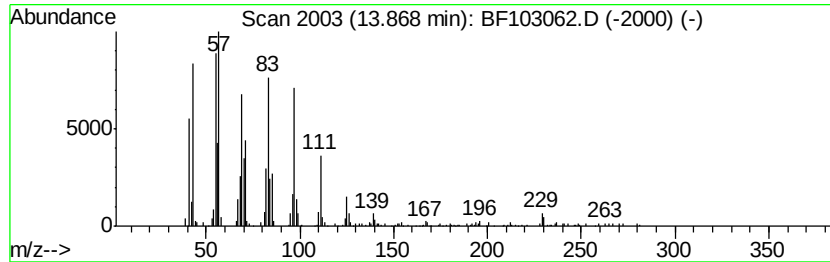
Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-012-B

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 8 Trifluoroacetoxy hexadecane Concentration Rank 4

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 13.87     | 6.97 ng                             | 323352 | Chrysene-d12     | 14.04        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Trifluoroacetoxy hexadecane         | 338    | C18H33F3O2       | 006222-03-3  | 94   |
| 2         | 1-Docosene                          | 308    | C22H44           | 001599-67-3  | 94   |
| 3         | Pentafluoropropionic acid, hexad... | 388    | C19H33F5O2       | 006222-07-7  | 91   |
| 4         | Heptadecyl trifluoroacetate         | 352    | C19H35F3O2       | 1000351-87-0 | 91   |
| 5         | 3-Eicosene, (E)-                    | 280    | C20H40           | 074685-33-9  | 91   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF021618\  
Data File : BF103062.D  
Acq On : 16 Feb 2018 19:39  
Operator : SJ/JU  
Sample : J1584-03  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

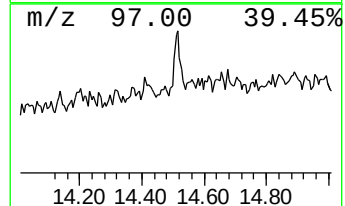
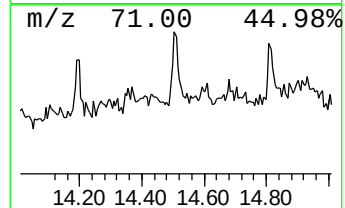
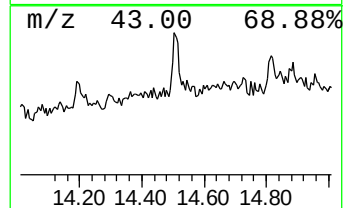
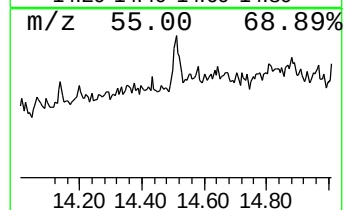
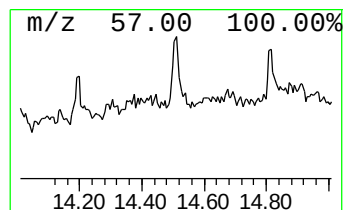
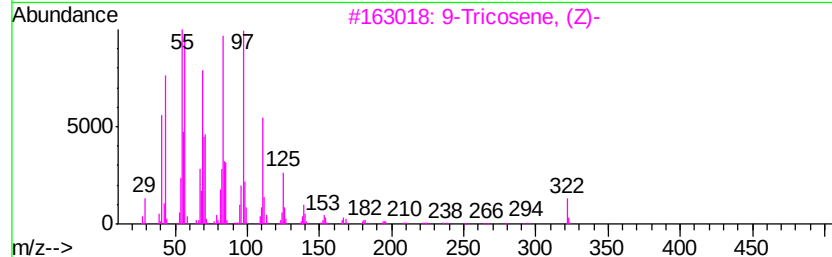
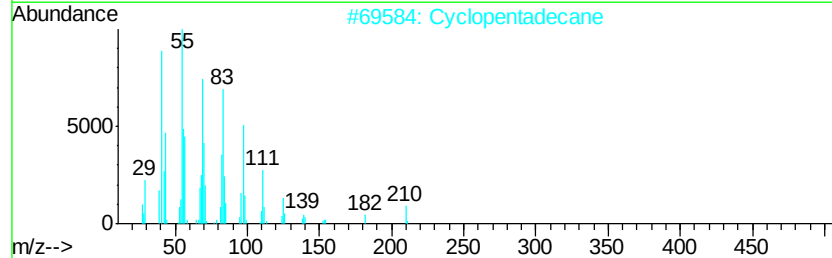
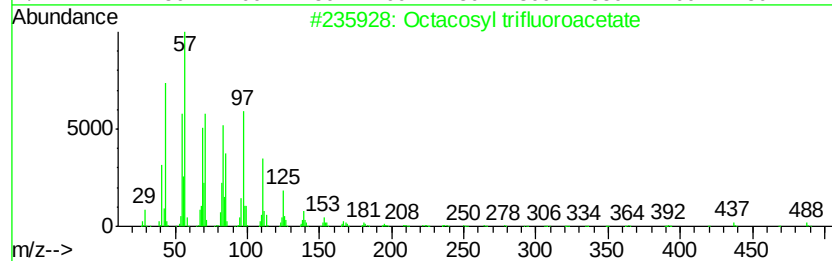
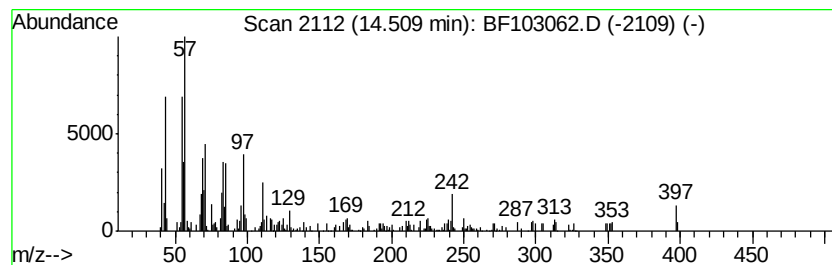
Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-012-B

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 9 Octacosyl trifluoroacetate Concentration Rank 6

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.       |              |      |
|---------|---------|-------------------------------------|------------------|------------|--------------|------|
| 14.51   | 2.70 ng | 125475                              | Chrysene-d12     | 14.04      |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm    | CAS#         | Qual |
| 1       |         | Octacosyl trifluoroacetate          | 506              | C30H57F3O2 | 1000351-74-9 | 68   |
| 2       |         | Cyclopentadecane                    | 210              | C15H30     | 000295-48-7  | 64   |
| 3       |         | 9-Tricosene, (Z)-                   | 322              | C23H46     | 027519-02-4  | 64   |
| 4       |         | Oxalic acid, octadecyl propyl ester | 384              | C23H44O4   | 1000309-27-0 | 58   |
| 5       |         | 5-Octadecene, (E)-                  | 252              | C18H36     | 007206-21-5  | 53   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF021618\  
Data File : BF103062.D  
Acq On : 16 Feb 2018 19:39  
Operator : SJ/JU  
Sample : J1584-03  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-012-B

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... | 2.16  | 22.4    | ng    | 1162370  | 1                     | 6.87  | 1039440 | 20.0 |
| 2-Pentanone, 4-hy... | 5.12  | 2.5     | ng    | 130444   | 1                     | 6.87  | 1039440 | 20.0 |
| unknown6.65          | 6.65  | 72.0    | ng    | 3740000  | 1                     | 6.87  | 1039440 | 20.0 |
| Hexadecane           | 9.83  | 2.2     | ng    | 126030   | 3                     | 9.92  | 1168320 | 20.0 |
| Pentadecane          | 10.80 | 3.0     | ng    | 151774   | 4                     | 11.40 | 1008880 | 20.0 |
| Trifluoroacetoxy ... | 13.87 | 7.0     | ng    | 323352   | 5                     | 14.04 | 927857  | 20.0 |
| Octacosyl trifluo... | 14.51 | 2.7     | ng    | 125475   | 5                     | 14.04 | 927857  | 20.0 |