

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
 Data File : BF088919.D  
 Acq On : 12 Jul 2016 00:45  
 Operator : UM/SJ  
 Sample : H3921-24  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 N8-B5(0-8)C

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-BF063016.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         | 1.644       | 3             | 5           | 7            | rVB      | 71706          | 101962        | 6.11%           | 0.628%        |
| 2         | 1.678       | 7             | 8           | 12           | rVB      | 69776          | 82404         | 4.94%           | 0.508%        |
| 3         | 1.804       | 17            | 19          | 43           | rVB      | 746851         | 1668380       | 100.00%         | 10.280%       |
| 4         | 3.518       | 167           | 169         | 173          | rVB      | 14248          | 23879         | 1.43%           | 0.147%        |
| 5         | 4.867       | 285           | 287         | 295          | rVB      | 66404          | 85730         | 5.14%           | 0.528%        |
| 6         | 5.301       | 323           | 325         | 328          | rBV      | 1057665        | 1367126       | 81.94%          | 8.423%        |
| 7         | 6.250       | 406           | 408         | 412          | rVB2     | 29906          | 27939         | 1.67%           | 0.172%        |
| 8         | 6.353       | 414           | 417         | 420          | rBV      | 1046519        | 1426555       | 85.51%          | 8.790%        |
| 9         | 6.479       | 425           | 428         | 431          | rBV      | 1457829        | 1354284       | 81.17%          | 8.344%        |
| 10        | 6.707       | 446           | 448         | 450          | rBV      | 362637         | 372771        | 22.34%          | 2.297%        |
| 11        | 6.867       | 459           | 462         | 464          | rVB      | 1307490        | 1116312       | 66.91%          | 6.878%        |
| 12        | 7.279       | 495           | 498         | 500          | rBV      | 1014905        | 963319        | 57.74%          | 5.935%        |
| 13        | 7.747       | 536           | 539         | 543          | rVB      | 16266          | 21644         | 1.30%           | 0.133%        |
| 14        | 7.999       | 558           | 561         | 563          | rBV      | 591648         | 510968        | 30.63%          | 3.148%        |
| 15        | 9.073       | 653           | 655         | 658          | rVB      | 1624327        | 1424392       | 85.38%          | 8.776%        |
| 16        | 9.473       | 687           | 690         | 692          | rVB      | 168440         | 177805        | 10.66%          | 1.096%        |
| 17        | 9.748       | 711           | 714         | 716          | rBV      | 520421         | 467073        | 28.00%          | 2.878%        |
| 18        | 10.193      | 751           | 753         | 754          | rVB      | 23936          | 21279         | 1.28%           | 0.131%        |
| 19        | 10.388      | 768           | 770         | 771          | rBV      | 57304          | 55259         | 3.31%           | 0.340%        |
| 20        | 10.525      | 780           | 782         | 785          | rBV2     | 637687         | 713309        | 42.75%          | 4.395%        |
| 21        | 10.582      | 785           | 787         | 789          | rBV      | 238749         | 194301        | 11.65%          | 1.197%        |
| 22        | 10.662      | 792           | 794         | 798          | rBV      | 30025          | 32303         | 1.94%           | 0.199%        |
| 23        | 11.108      | 831           | 833         | 835          | rBV      | 23094          | 21630         | 1.30%           | 0.133%        |
| 24        | 11.222      | 840           | 843         | 844          | rVV      | 441881         | 388125        | 23.26%          | 2.391%        |
| 25        | 11.245      | 844           | 845         | 846          | rVB      | 28511          | 19575         | 1.17%           | 0.121%        |
| 26        | 11.462      | 861           | 864         | 869          | rBV      | 17912          | 25354         | 1.52%           | 0.156%        |
| 27        | 12.422      | 946           | 948         | 951          | rBV      | 75905          | 62282         | 3.73%           | 0.384%        |
| 28        | 12.651      | 965           | 968         | 969          | rBV      | 68812          | 73654         | 4.41%           | 0.454%        |
| 29        | 12.685      | 969           | 971         | 977          | rVB      | 109222         | 133533        | 8.00%           | 0.823%        |
| 30        | 12.799      | 979           | 981         | 984          | rVB      | 955691         | 1042949       | 62.51%          | 6.426%        |
| 31        | 13.051      | 998           | 1003        | 1004         | rVV2     | 9924           | 17035         | 1.02%           | 0.105%        |
| 32        | 13.165      | 1009          | 1013        | 1015         | rBV      | 19151          | 21946         | 1.32%           | 0.135%        |
| 33        | 13.714      | 1057          | 1061        | 1064         | rBV2     | 57495          | 112020        | 6.71%           | 0.690%        |
| 34        | 13.839      | 1070          | 1072        | 1077         | rBV      | 383157         | 490040        | 29.37%          | 3.019%        |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

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-BF063016.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 13.954 | 1079 | 1082 | 1085 | rBV5 | 11236  | 20864  | 1.25%  | 0.129% |
| 36 | 14.342 | 1113 | 1116 | 1121 | rBV3 | 32240  | 68749  | 4.12%  | 0.424% |
| 37 | 14.628 | 1140 | 1141 | 1144 | rBV3 | 13983  | 25232  | 1.51%  | 0.155% |
| 38 | 14.697 | 1145 | 1147 | 1150 | rVV2 | 29410  | 53499  | 3.21%  | 0.330% |
| 39 | 14.754 | 1150 | 1152 | 1155 | rVV  | 69872  | 75422  | 4.52%  | 0.465% |
| 40 | 14.834 | 1157 | 1159 | 1164 | rBV  | 46496  | 88861  | 5.33%  | 0.548% |
| 41 | 14.948 | 1165 | 1169 | 1175 | rBV2 | 67951  | 168589 | 10.10% | 1.039% |
| 42 | 15.097 | 1180 | 1182 | 1185 | rVB  | 49823  | 83716  | 5.02%  | 0.516% |
| 43 | 15.154 | 1185 | 1187 | 1190 | rBV  | 22771  | 34514  | 2.07%  | 0.213% |
| 44 | 15.222 | 1190 | 1193 | 1195 | rBV  | 207752 | 297444 | 17.83% | 1.833% |
| 45 | 15.440 | 1210 | 1212 | 1215 | rVB2 | 28457  | 40837  | 2.45%  | 0.252% |
| 46 | 15.543 | 1218 | 1221 | 1224 | rVB  | 53590  | 90994  | 5.45%  | 0.561% |
| 47 | 15.657 | 1228 | 1231 | 1233 | rBV  | 54512  | 91464  | 5.48%  | 0.564% |
| 48 | 16.057 | 1263 | 1266 | 1273 | rVB2 | 46616  | 102286 | 6.13%  | 0.630% |
| 49 | 16.343 | 1289 | 1291 | 1297 | rVB4 | 25206  | 50676  | 3.04%  | 0.312% |
| 50 | 16.503 | 1302 | 1305 | 1308 | rBV2 | 16651  | 37279  | 2.23%  | 0.230% |
| 51 | 16.605 | 1312 | 1314 | 1317 | rVV  | 17823  | 42264  | 2.53%  | 0.260% |
| 52 | 16.674 | 1317 | 1320 | 1325 | rVB2 | 41713  | 118887 | 7.13%  | 0.733% |
| 53 | 16.880 | 1336 | 1338 | 1343 | rBV  | 10935  | 25764  | 1.54%  | 0.159% |
| 54 | 17.028 | 1348 | 1351 | 1354 | rBV4 | 13535  | 30617  | 1.84%  | 0.189% |
| 55 | 17.440 | 1383 | 1387 | 1392 | rBV2 | 20593  | 64818  | 3.89%  | 0.399% |

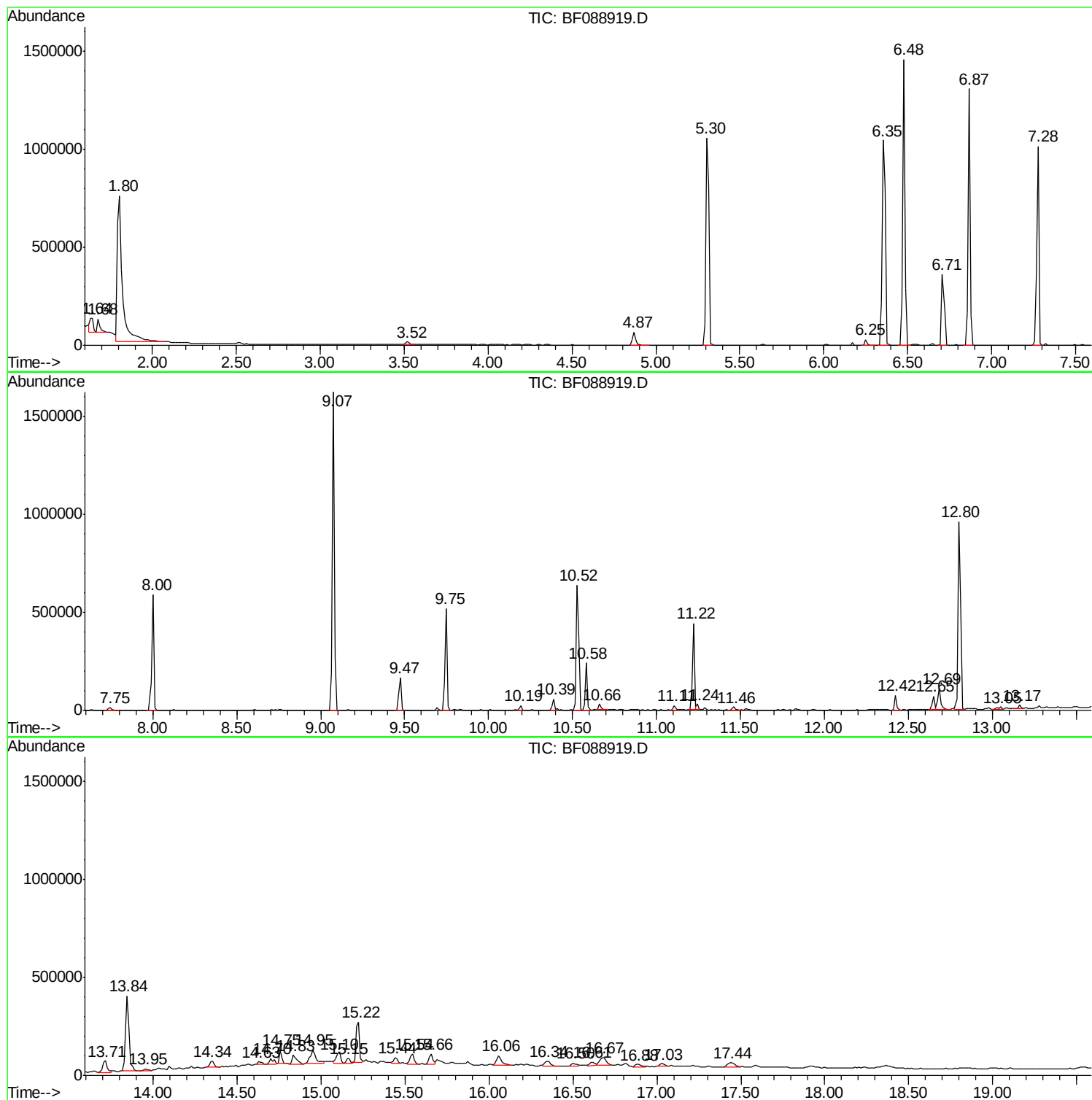
Sum of corrected areas: 16229913

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

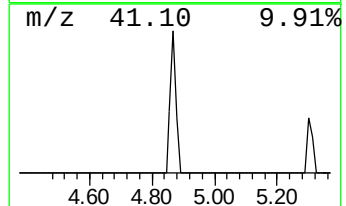
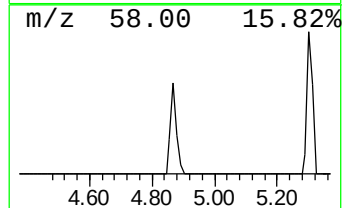
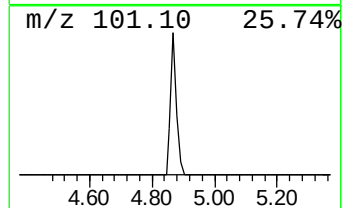
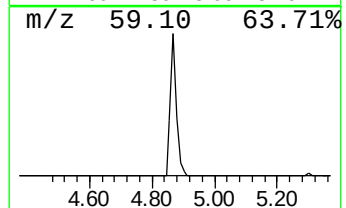
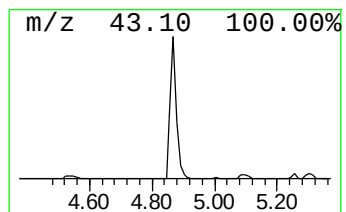
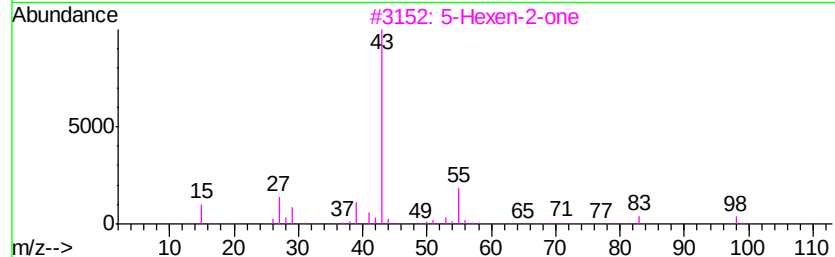
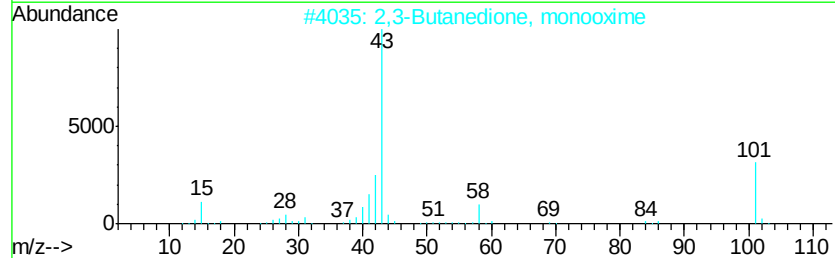
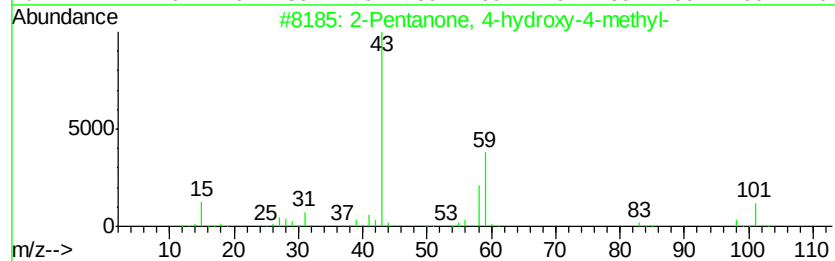
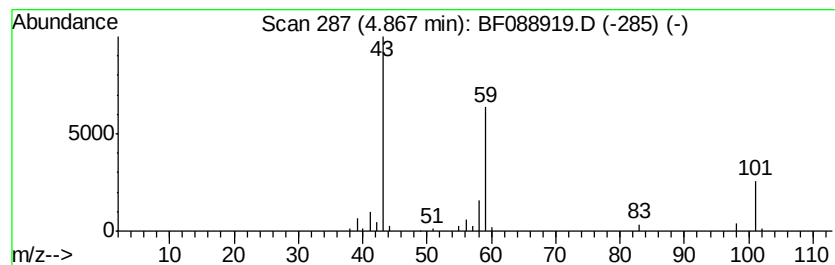
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.87 | 4.60 ng | 85730 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    |   | 2,3-Butanedione, monooxime         | 101 | C4H7NO2 | 000057-71-6 | 25   |
| 3    |    |   | 5-Hexen-2-one                      | 98  | C6H10O  | 000109-49-9 | 9    |
| 4    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9    |
| 5    |    |   | Morpholine, 4-methyl-              | 101 | C5H11NO | 000109-02-4 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

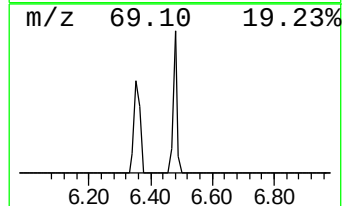
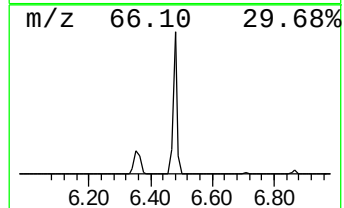
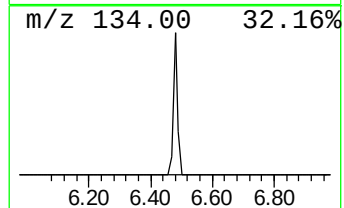
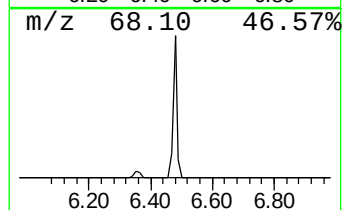
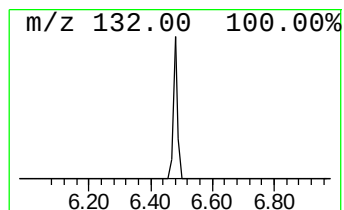
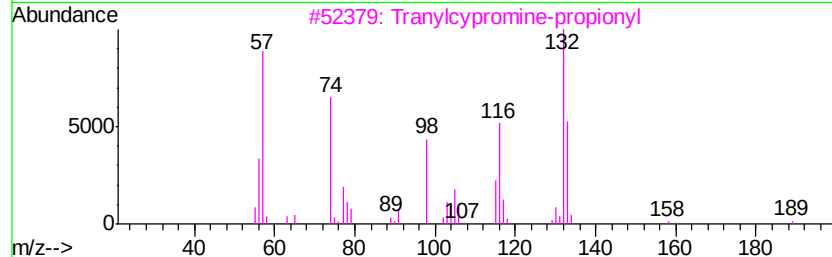
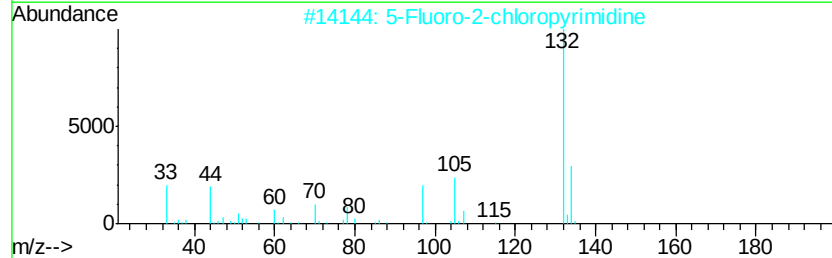
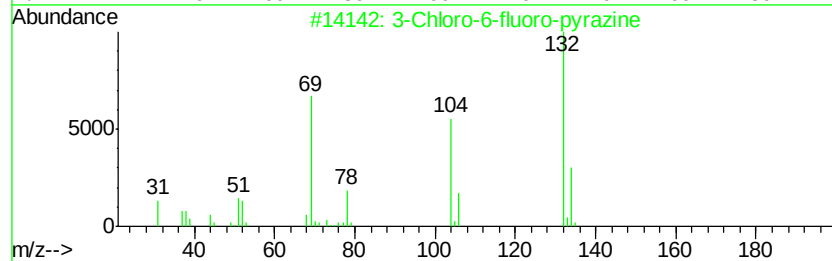
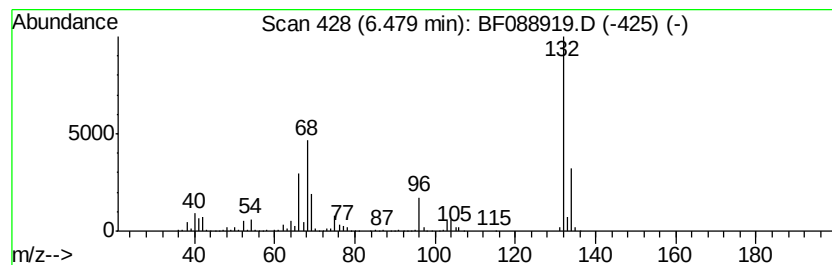
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 unknown6.48 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.48 | 72.66 ng | 1354280 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | Tranvlcyproline-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-59-9  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

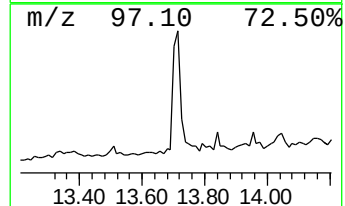
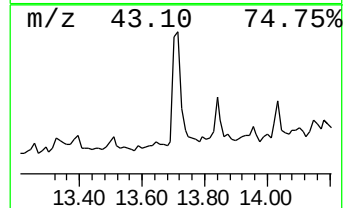
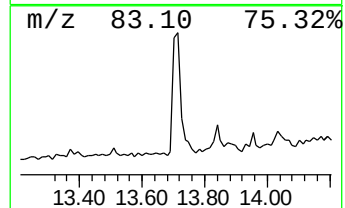
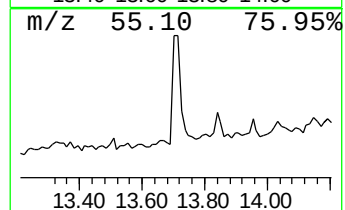
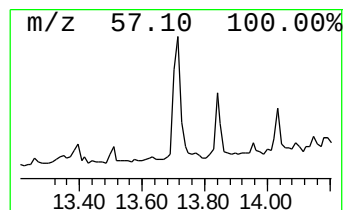
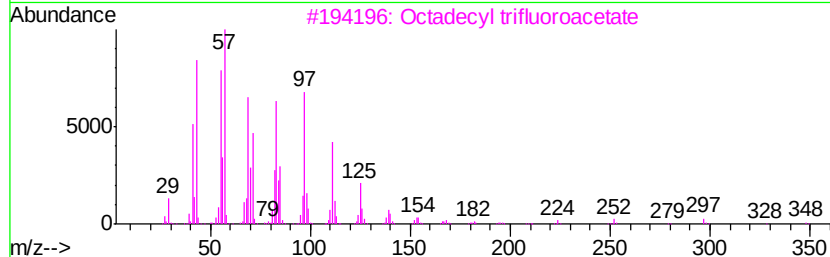
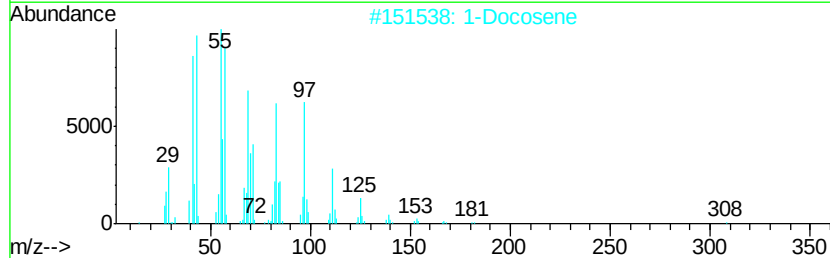
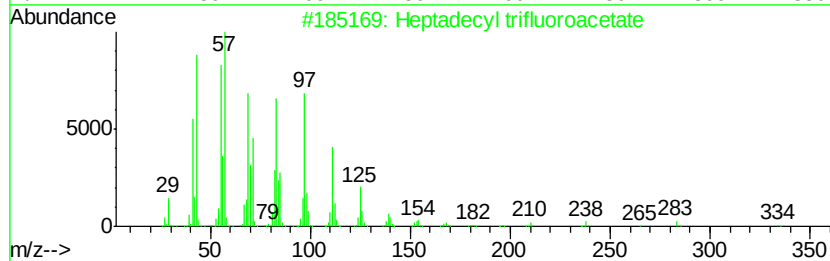
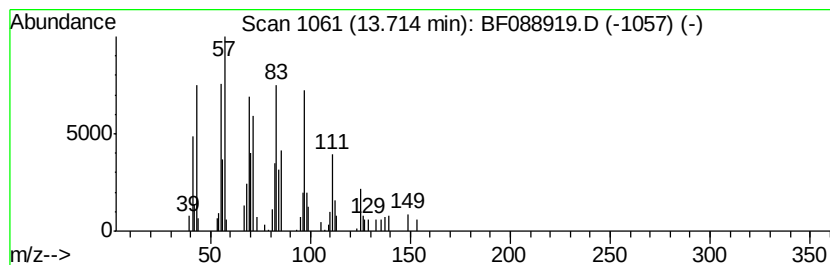
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Heptadecyl trifluoroacetate Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.71 | 4.57 ng | 112020 | Chrysene-d12     | 13.84 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Heptadecyl trifluoroacetate         | 352 | C19H35F3O2  | 1000351-87-0 | 91   |
| 2    |    | 1-Docosene                          | 308 | C22H44      | 001599-67-3  | 91   |
| 3    |    | Octadecyl trifluoroacetate          | 366 | C20H37F3O2  | 079392-43-1  | 91   |
| 4    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 87   |
| 5    |    | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2  | 006222-03-3  | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

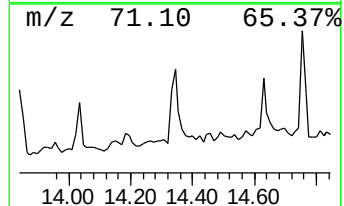
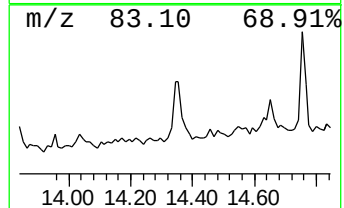
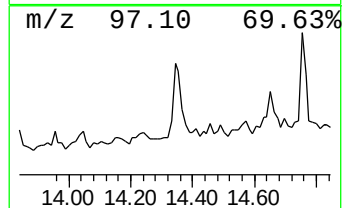
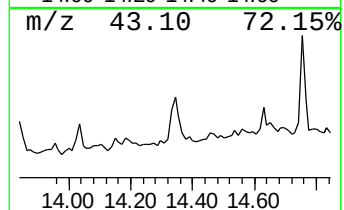
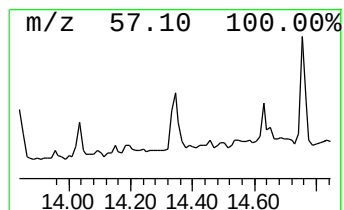
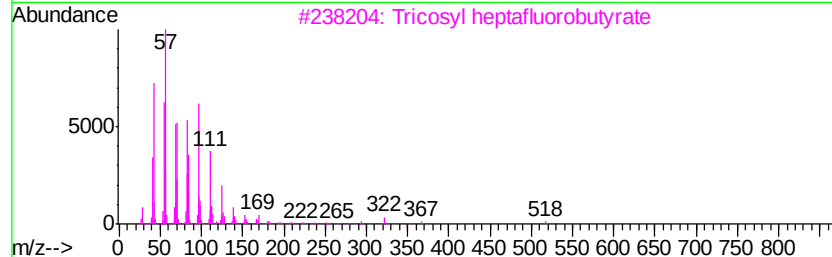
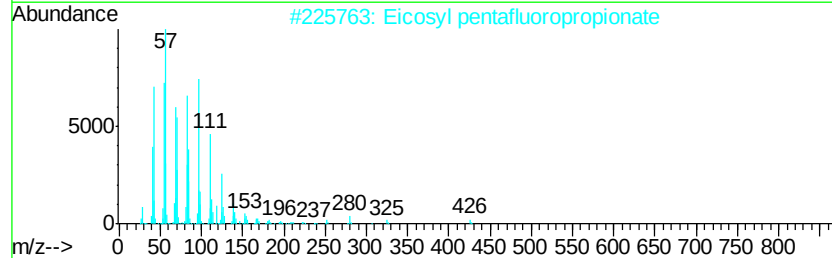
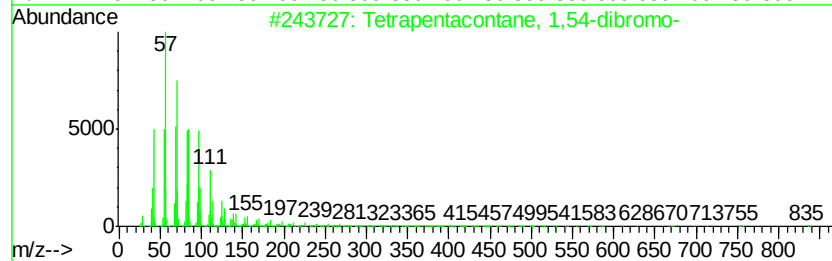
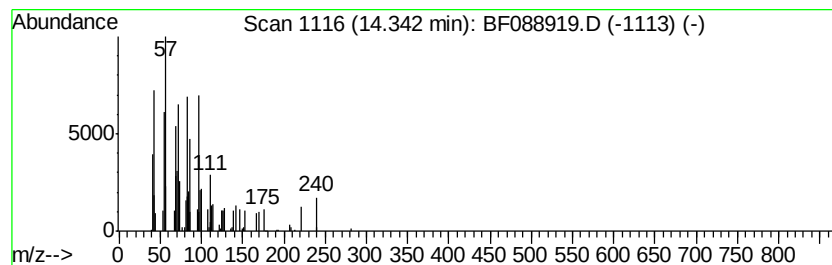
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Tetrapentacontane, 1,54-dib... Concentration Rank 19

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.34 | 2.81 ng | 68749 | Chrysene-d12     | 13.84 |

| Hit# | of | Tentative ID                     | MW  | MolForm    | CAS#         | Qual |
|------|----|----------------------------------|-----|------------|--------------|------|
| 1    | 5  | Tetrapentacontane, 1,54-dibromo- | 915 | C54H108Br2 | 1000156-09-4 | 64   |
| 2    |    | Eicosyl pentafluoropropionate    | 444 | C23H41F5O2 | 1000351-80-8 | 64   |
| 3    |    | Tricosyl heptafluorobutvrate     | 536 | C27H47F7O2 | 1000351-83-4 | 64   |
| 4    |    | Tetracosyl heptafluorobutvrate   | 550 | C28H49F7O2 | 1000351-83-7 | 64   |
| 5    |    | Octacosyl trifluoroacetate       | 506 | C30H57F3O2 | 1000351-74-9 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

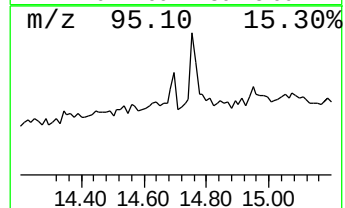
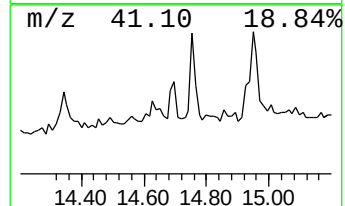
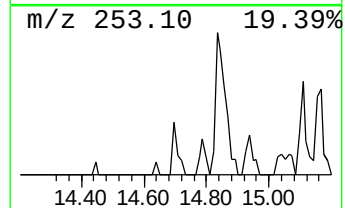
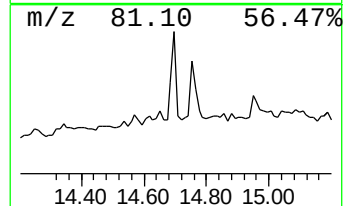
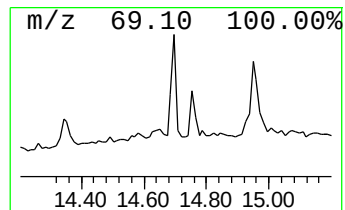
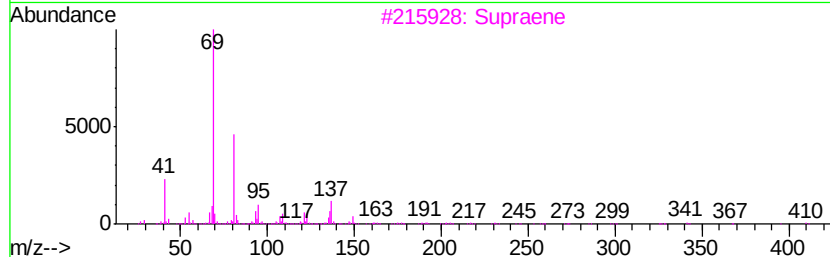
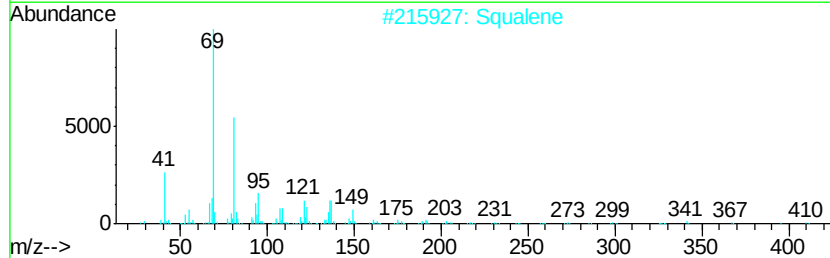
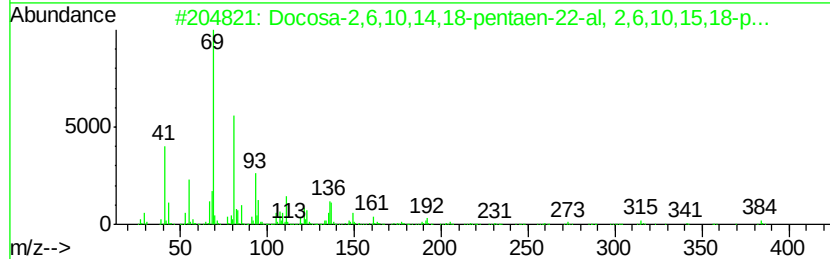
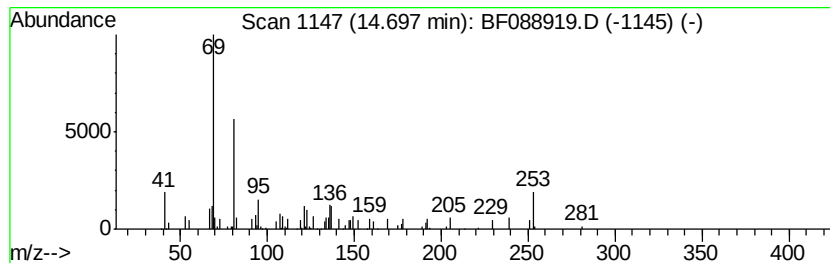
Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Docosa-2,6,10,14,18-pentaen... Concentration Rank 16

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.            |
|---------|---------|-------------------------------------|------------------|-----------------|
| 14.70   | 3.60 ng | 53499                               | Perylene-d12     | 15.22           |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |         | Docosa-2,6,10,14,18-pentaen-22-a... | 384 C27H44O      | 1000163-04-7 74 |
| 2       |         | Squalene                            | 410 C30H50       | 000111-02-4 74  |
| 3       |         | Supraene                            | 410 C30H50       | 007683-64-9 64  |
| 4       |         | Farnesol isomer a                   | 222 C15H26O      | 1000108-92-4 53 |
| 5       |         | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 222 C15H26O      | 004602-84-0 45  |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

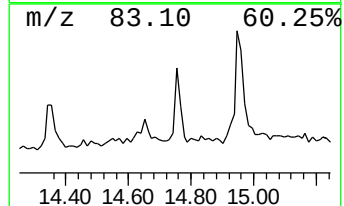
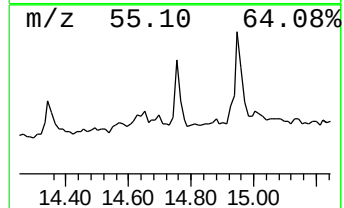
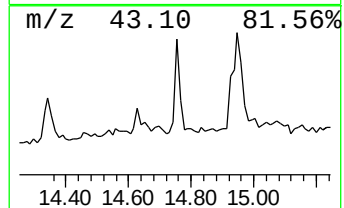
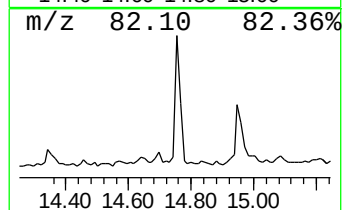
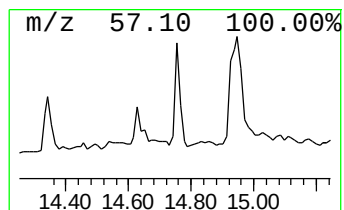
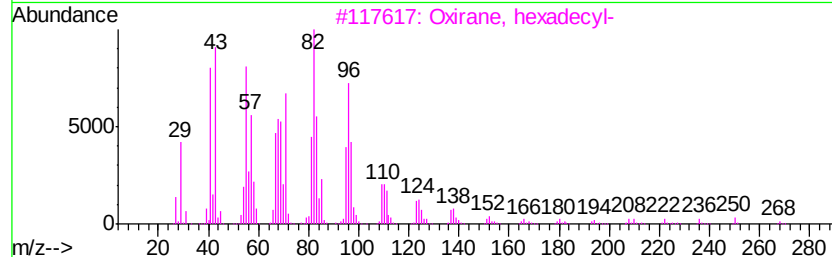
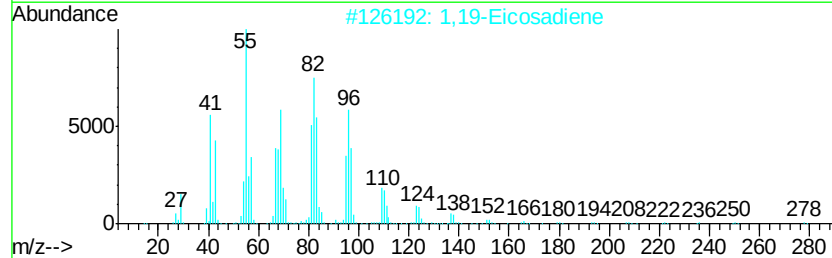
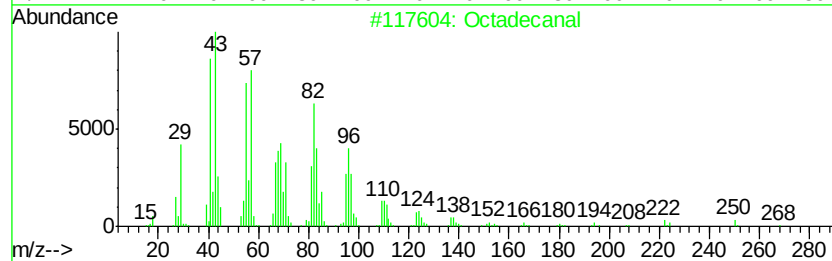
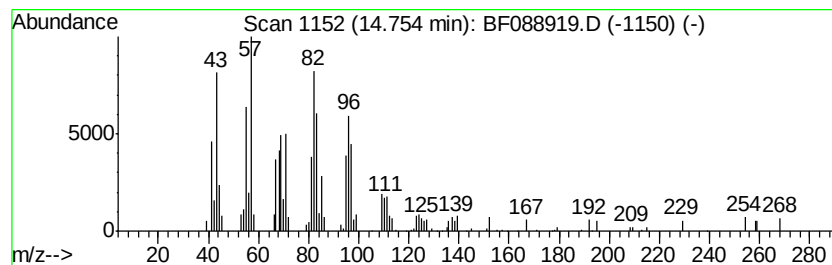
Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Octadecanal Concentration Rank 11

| R.T.      | EstConc                         | Area  | Relative to ISTD | R.T.        |      |
|-----------|---------------------------------|-------|------------------|-------------|------|
| 14.75     | 5.07 ng                         | 75422 | Perylene-d12     | 15.22       |      |
| Hit# of 5 | Tentative ID                    | MW    | MolForm          | CAS#        | Qual |
| 1         | Octadecanal                     | 268   | C18H36O          | 000638-66-4 | 87   |
| 2         | 1,19-Eicosadiene                | 278   | C20H38           | 014811-95-1 | 81   |
| 3         | Oxirane, hexadecyl-             | 268   | C18H36O          | 007390-81-0 | 74   |
| 4         | Oxirane, heptadecyl-            | 282   | C19H38O          | 067860-04-2 | 64   |
| 5         | Bicyclo[4.1.0]heptane, 7-butyl- | 152   | C11H20           | 018645-10-8 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

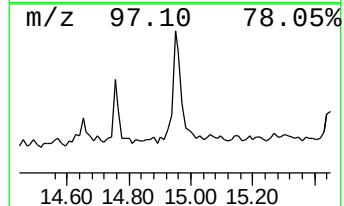
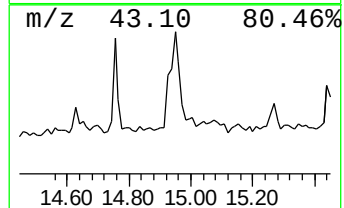
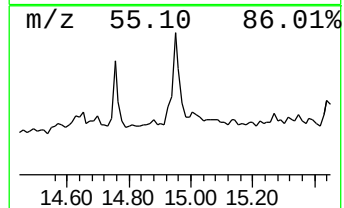
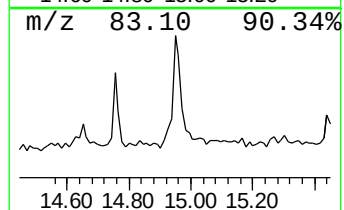
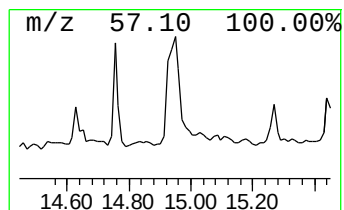
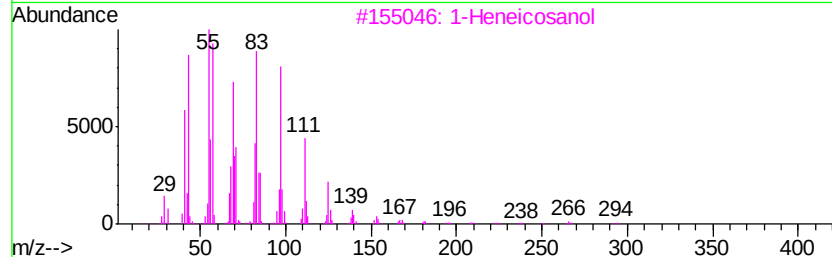
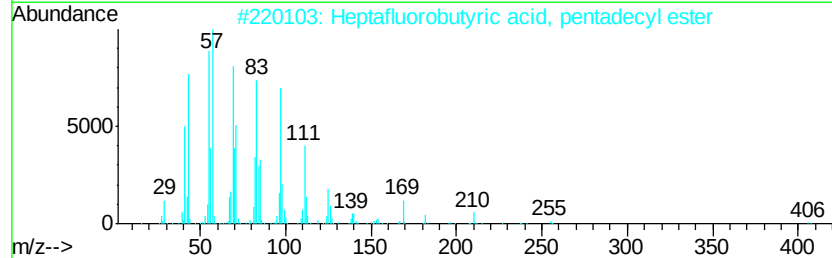
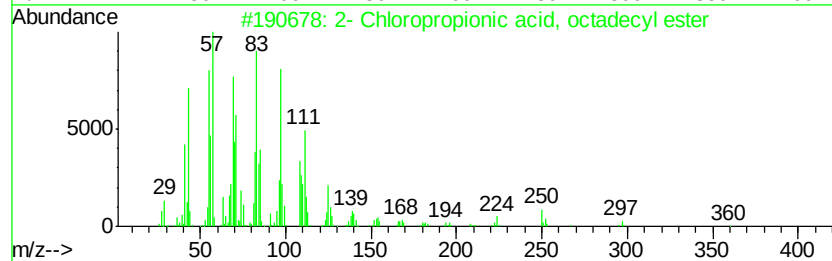
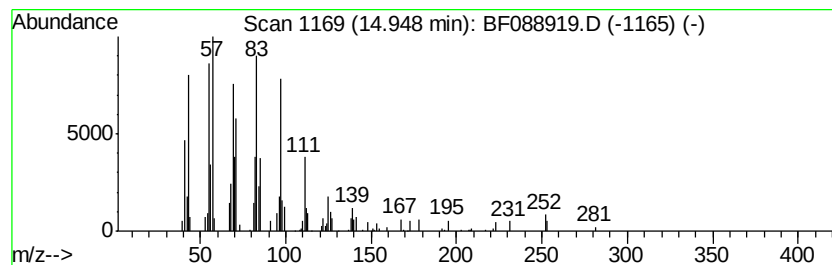
Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 2- Chloropropionic acid, oc... Concentration Rank 4

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.       |             |      |
|---------|----------|-------------------------------------|------------------|------------|-------------|------|
| 14.95   | 11.34 ng | 168589                              | Perylene-d12     | 15.22      |             |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm    | CAS#        | Qual |
| 1       | 2-       | Chloropropionic acid, octadec...    | 360              | C21H41ClO2 | 088104-31-8 | 94   |
| 2       |          | Heptafluorobutyric acid, pentade... | 424              | C19H31F7O2 | 959261-23-5 | 93   |
| 3       |          | 1-Heneicosanol                      | 312              | C21H44O    | 015594-90-8 | 93   |
| 4       |          | Behenic alcohol                     | 326              | C22H46O    | 000661-19-8 | 93   |
| 5       |          | Octacosanol                         | 410              | C28H58O    | 000557-61-9 | 92   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

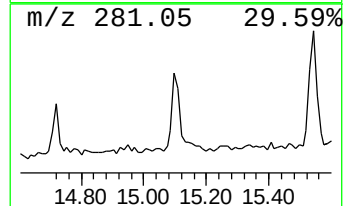
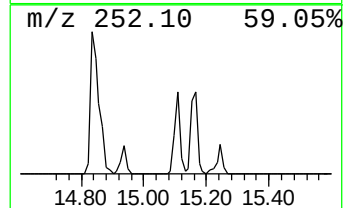
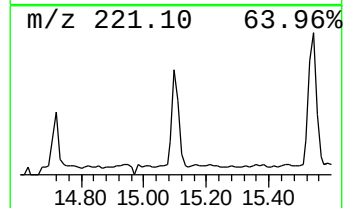
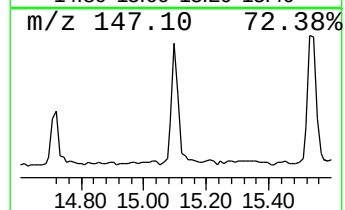
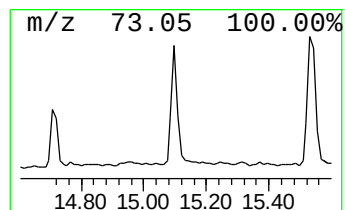
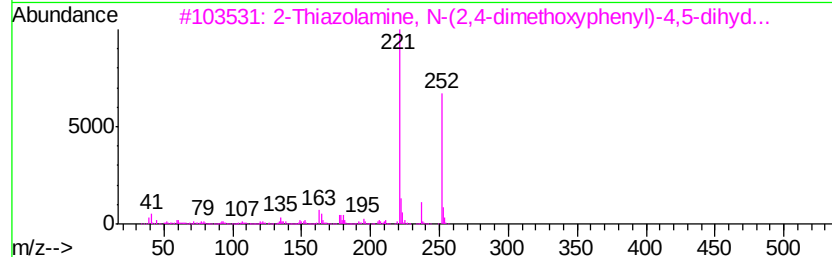
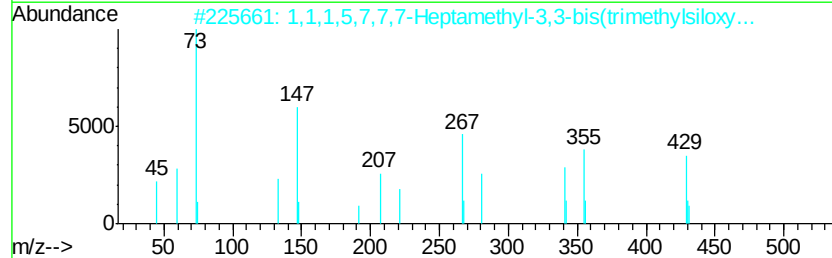
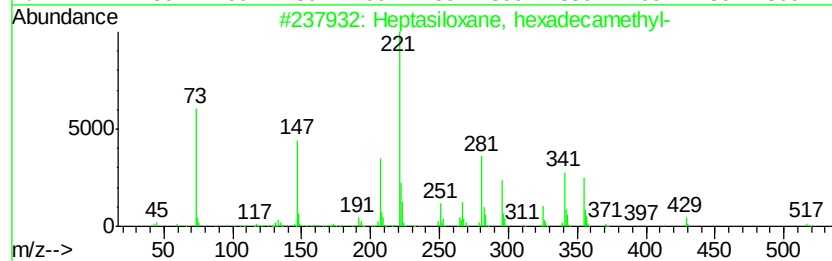
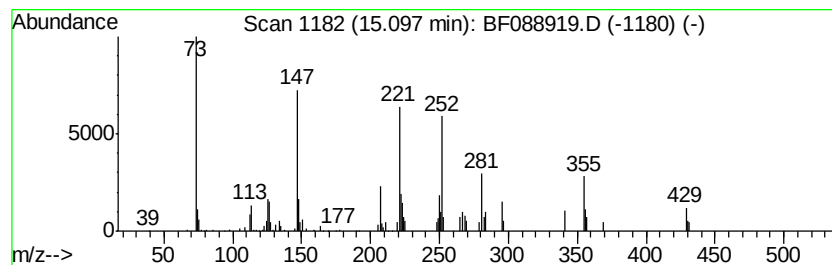
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Heptasiloxane, hexadecamethyl- Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.10 | 5.63 ng | 83716 | Perylene-d12     | 15.22 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Heptasiloxane, hexadecamethyl-      | 532 | C16H48O6Si7 | 000541-01-5  | 53   |
| 2    |    |   | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6 | 038147-00-1  | 37   |
| 3    |    |   | 2-Thiazolamine, N-(2,4-dimethoxy... | 252 | C12H16N2O2S | 1000362-42-6 | 27   |
| 4    |    |   | 1,3,5-Benzenetricarboxylic acid,... | 252 | C12H12O6    | 002672-58-4  | 25   |
| 5    |    |   | N-Benzyl-N-ethyl-p-isopropylbenz... | 281 | C19H23NO    | 015089-22-2  | 14   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

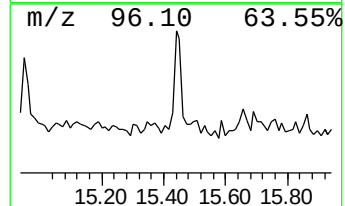
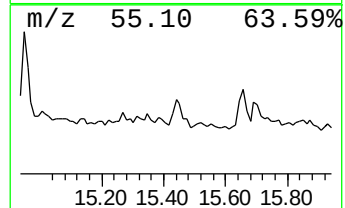
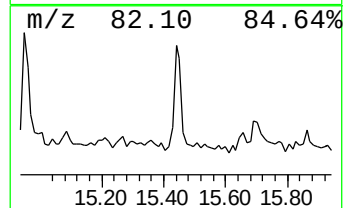
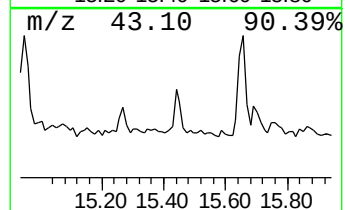
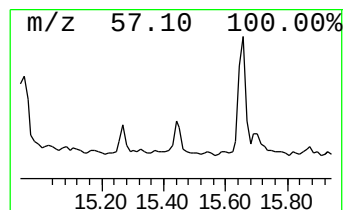
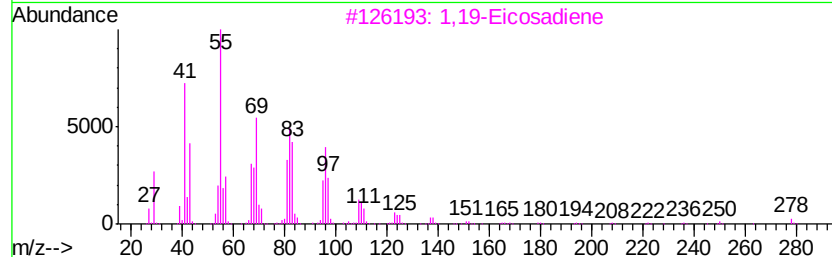
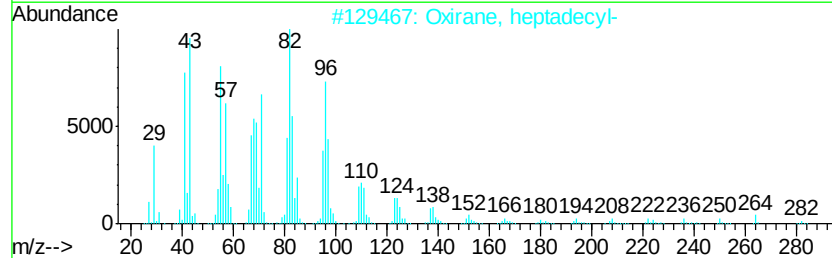
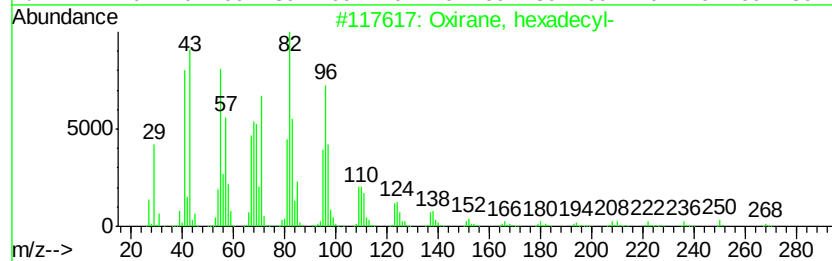
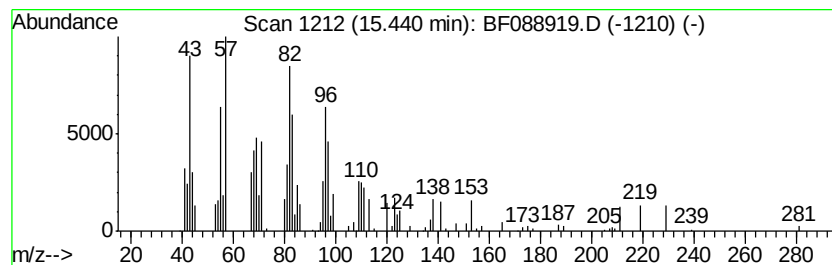
Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 13 Oxirane, hexadecyl- Concentration Rank 20

| R.T.    | EstConc                 | Area         | Relative to ISTD |             | R.T.  |      |
|---------|-------------------------|--------------|------------------|-------------|-------|------|
| 15.44   | 2.75 ng                 | 40837        | Perylene-d12     |             | 15.22 |      |
| Hit# of | 5                       | Tentative ID | MW               | MolForm     | CAS#  | Qual |
| 1       | Oxirane, hexadecyl-     | 268          | C18H36O          | 007390-81-0 | 64    |      |
| 2       | Oxirane, heptadecyl-    | 282          | C19H38O          | 067860-04-2 | 64    |      |
| 3       | 1,19-Eicosadiene        | 278          | C20H38           | 014811-95-1 | 58    |      |
| 4       | Dodecane, 6-cyclohexyl- | 252          | C18H36           | 013151-86-5 | 49    |      |
| 5       | Dodecane, 5-cyclohexyl- | 252          | C18H36           | 013151-85-4 | 46    |      |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

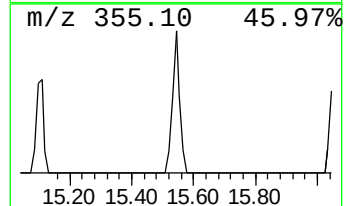
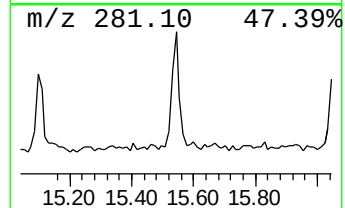
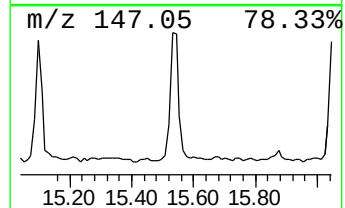
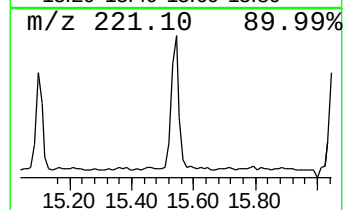
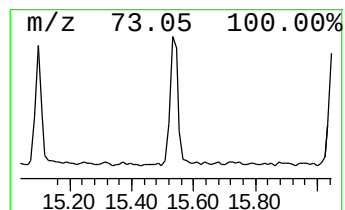
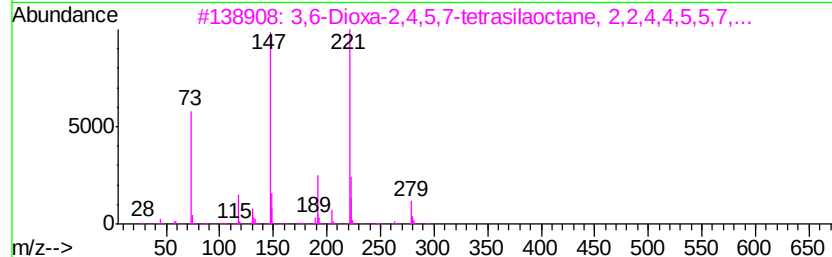
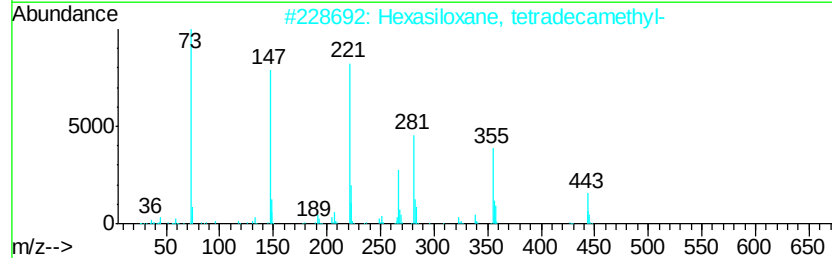
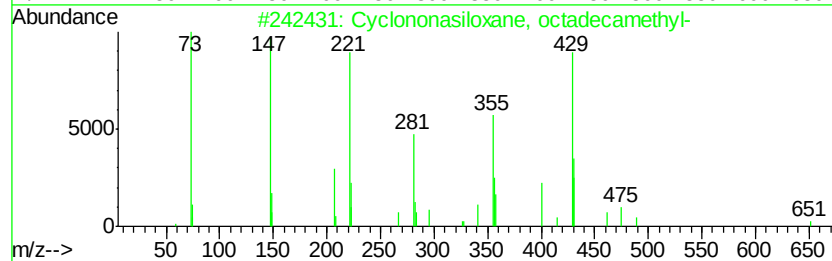
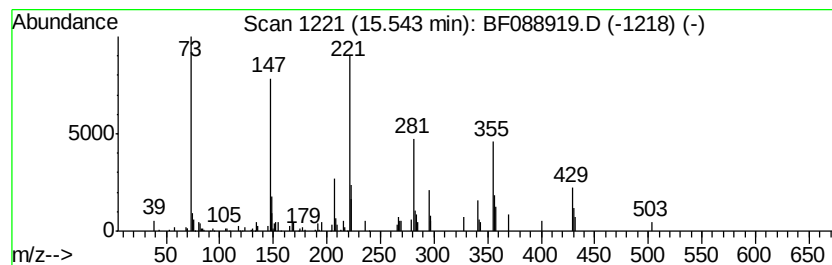
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Cyclononasiloxane, octadeca... Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.54 | 6.12 ng | 90994 | Perylene-d12     | 15.22 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------|-------------|------|
| 1    |    |   | Cyclononasiloxane, octadecamethyl-  | 666 | C18H54O9Si9 | 000556-71-8 | 50   |
| 2    |    |   | Hexasiloxane, tetradecamethyl-      | 458 | C14H42O5Si6 | 000107-52-8 | 49   |
| 3    |    |   | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0 | 37   |
| 4    |    |   | Mercaptoacetic acid, bis(trimeth... | 236 | C8H20O2SSi2 | 006398-62-5 | 32   |
| 5    |    |   | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6 | 038147-00-1 | 32   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

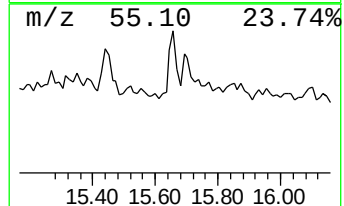
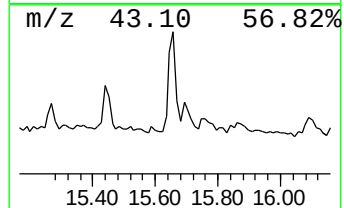
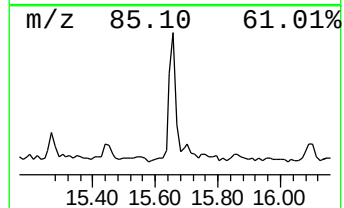
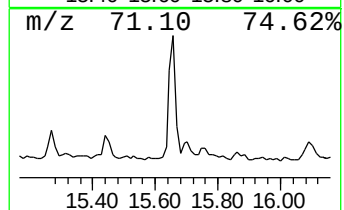
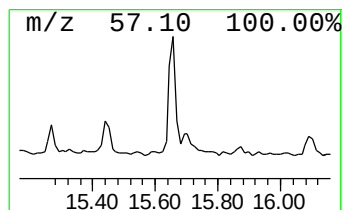
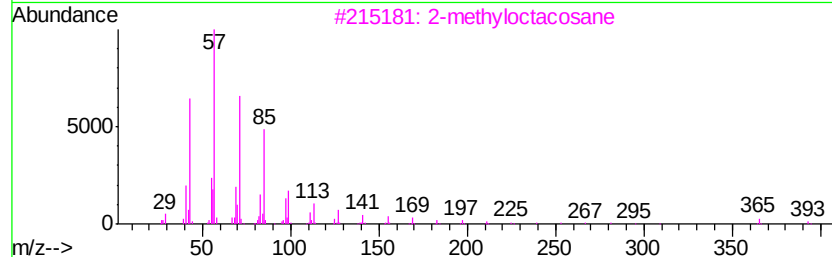
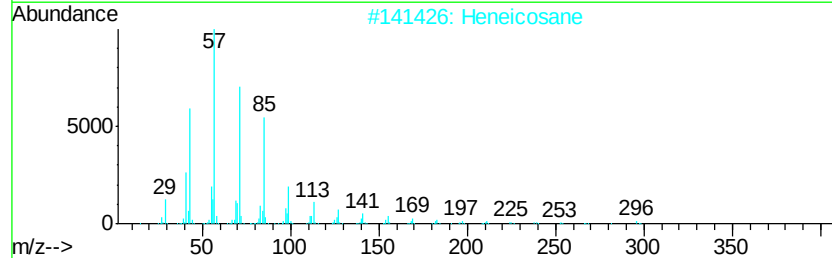
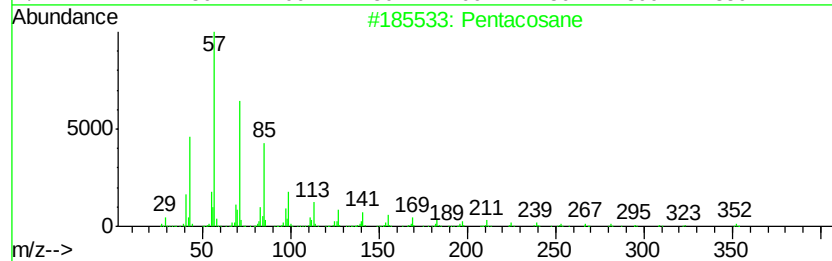
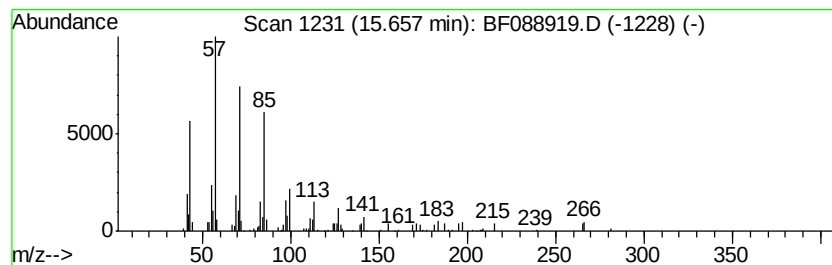
Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 15 Pentacosane Concentration Rank 7

| R.T.    | EstConc            | Area         | Relative to ISTD | R.T.      |
|---------|--------------------|--------------|------------------|-----------|
| 15.66   | 6.15 ng            | 91464        | Perylene-d12     | 15.22     |
| Hit# of | 5                  | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Pentacosane        | 352 C25H52   | 000629-99-2      | 90        |
| 2       | Heneicosane        | 296 C21H44   | 000629-94-7      | 87        |
| 3       | 2-methyloctacosane | 408 C29H60   | 1000376-72-8     | 87        |
| 4       | Hexacosane         | 366 C26H54   | 000630-01-3      | 87        |
| 5       | Tetracosane        | 338 C24H50   | 000646-31-1      | 87        |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

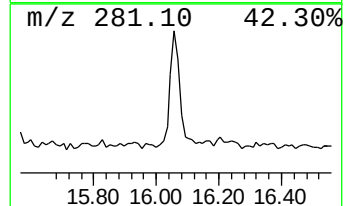
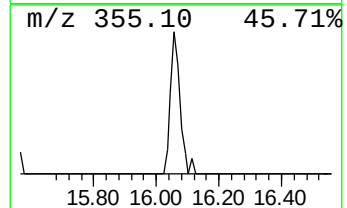
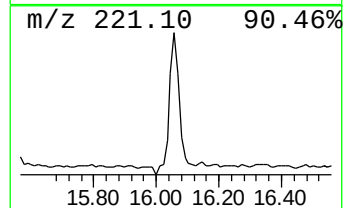
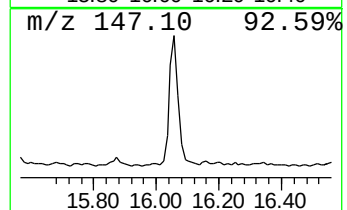
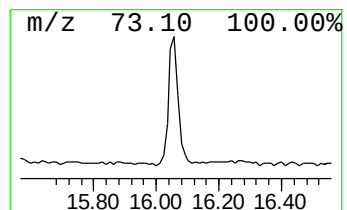
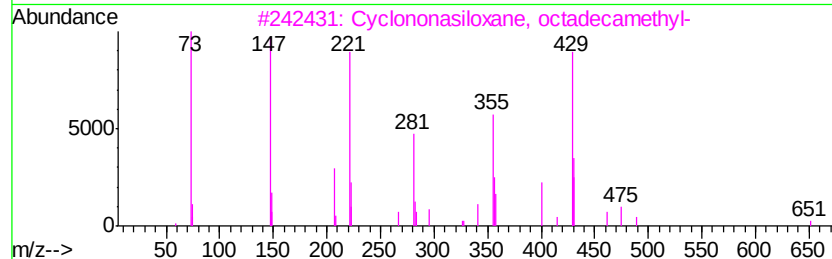
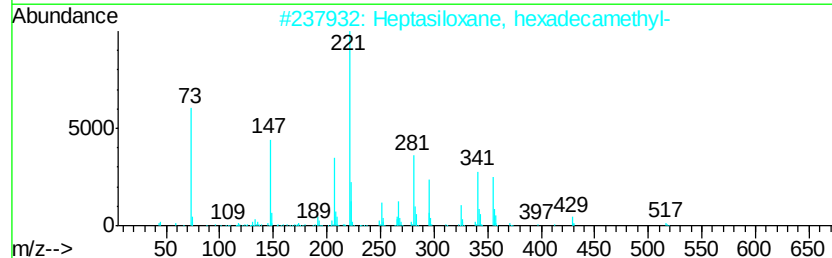
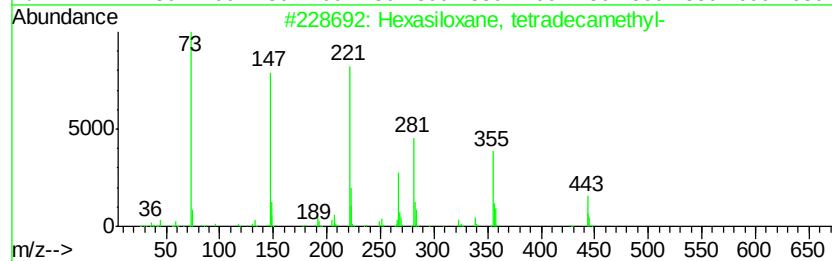
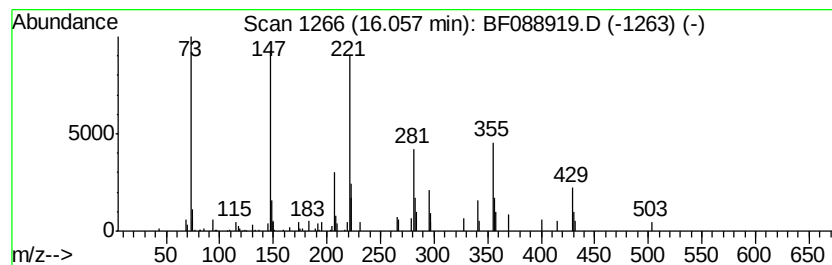
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Hexasiloxane, tetradecamethyl- Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.06 | 6.88 ng | 102286 | Perylene-d12     | 15.22 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Hexasiloxane, tetradecamethyl-      | 458 | C14H42O5Si6 | 000107-52-8  | 72   |
| 2    |    |   | Heptasiloxane, hexadecamethyl-      | 532 | C16H48O6Si7 | 000541-01-5  | 56   |
| 3    |    |   | Cyclononasiloxane, octadecamethyl-  | 666 | C18H54O9Si9 | 000556-71-8  | 40   |
| 4    |    |   | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0  | 37   |
| 5    |    |   | Piperidine, 1-(5-trifluoromethyl... | 295 | C15H16F3N3  | 1000268-74-7 | 35   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

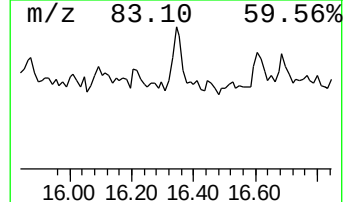
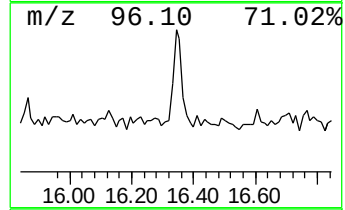
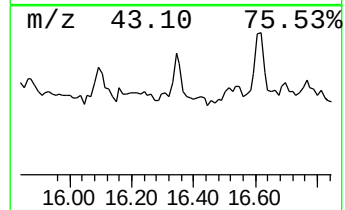
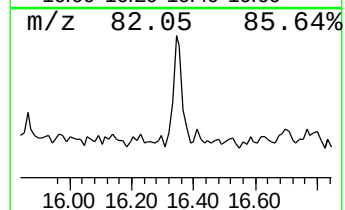
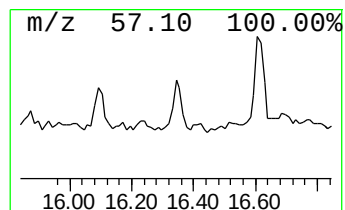
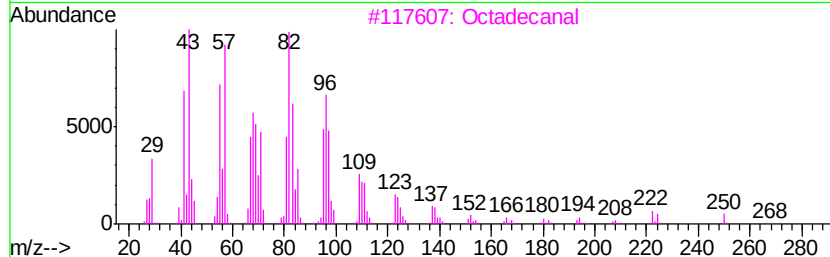
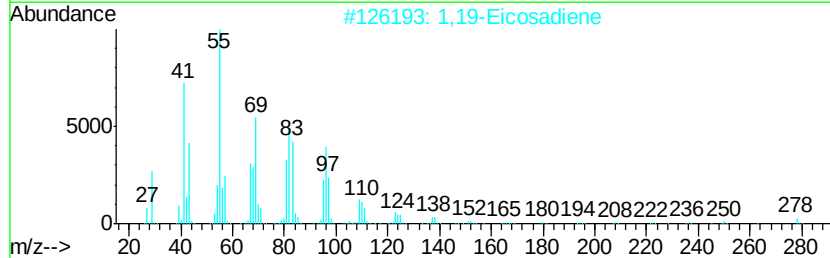
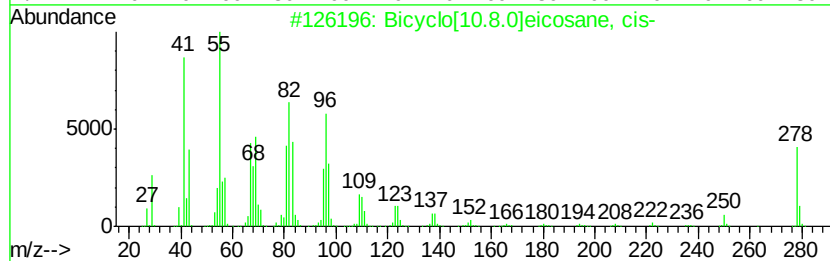
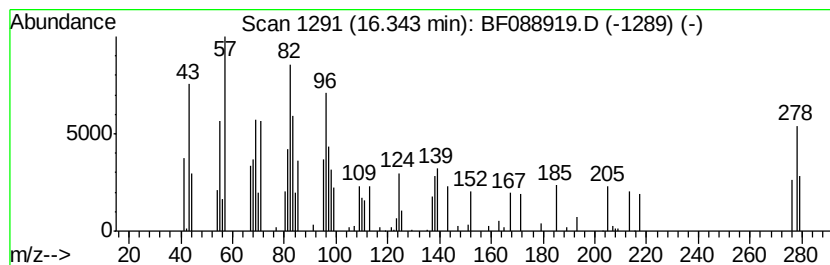
Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 17 Bicyclo[10.8.0]eicosane, cis- Concentration Rank 17

| R.T.      | EstConc                       | Area  | Relative to ISTD |              | R.T.  |
|-----------|-------------------------------|-------|------------------|--------------|-------|
| 16.34     | 3.41 ng                       | 50676 | Perylene-d12     |              | 15.22 |
| Hit# of 5 | Tentative ID                  | MW    | MolForm          | CAS#         | Qual  |
| 1         | Bicyclo[10.8.0]eicosane, cis- | 278   | C20H38           | 1000155-82-2 | 83    |
| 2         | 1,19-Eicosadiene              | 278   | C20H38           | 014811-95-1  | 47    |
| 3         | Octadecanal                   | 268   | C18H36O          | 000638-66-4  | 43    |
| 4         | Oxirane, heptadecyl-          | 282   | C19H38O          | 067860-04-2  | 43    |
| 5         | Oxirane, hexadecyl-           | 268   | C18H36O          | 007390-81-0  | 43    |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

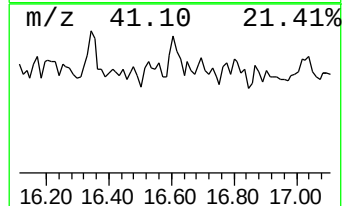
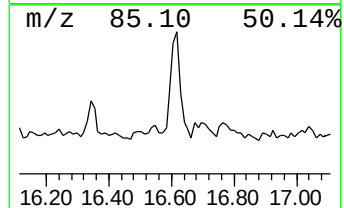
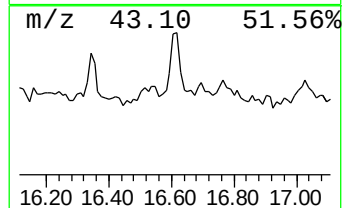
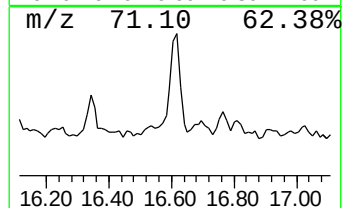
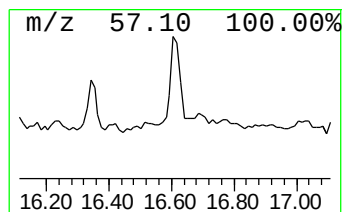
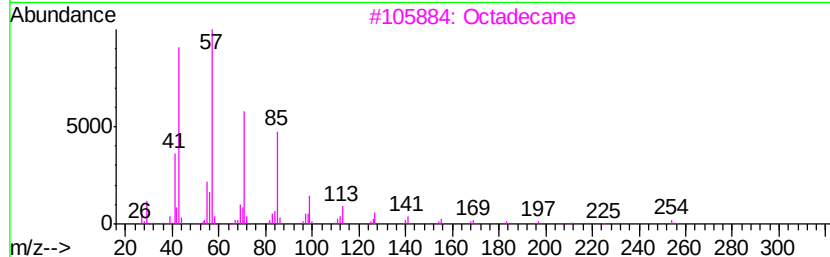
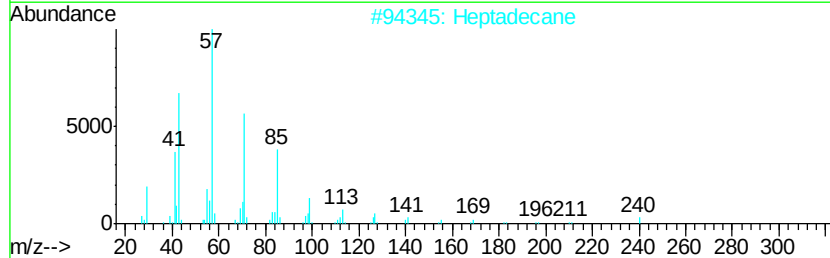
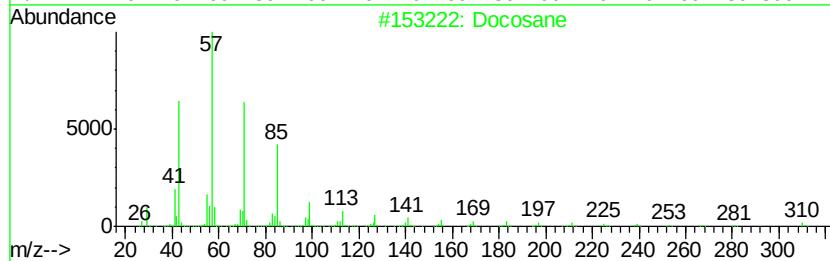
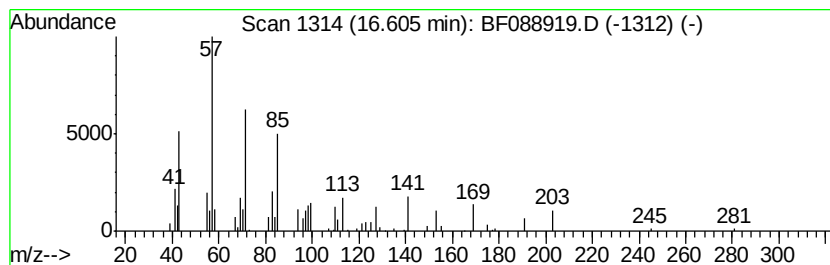
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 Docosane Concentration Rank 18

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.61 | 2.84 ng | 42264 | Perylene-d12     | 15.22 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Docosane              | 310 | C22H46  | 000629-97-0 | 53   |
| 2    |    |   | Heptadecane           | 240 | C17H36  | 000629-78-7 | 53   |
| 3    |    |   | Octadecane            | 254 | C18H38  | 000593-45-3 | 53   |
| 4    |    |   | Hexatriacontane       | 507 | C36H74  | 000630-06-8 | 53   |
| 5    |    |   | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 53   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

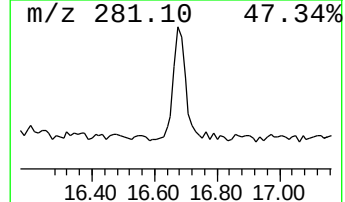
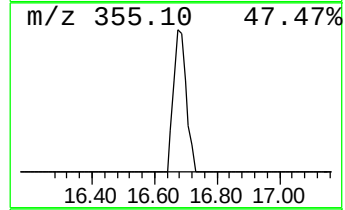
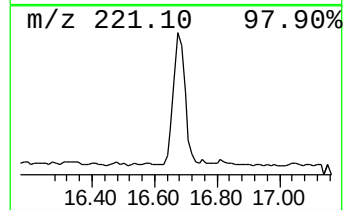
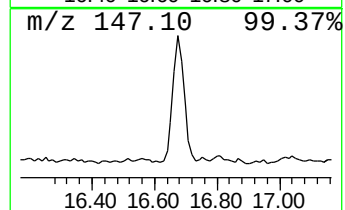
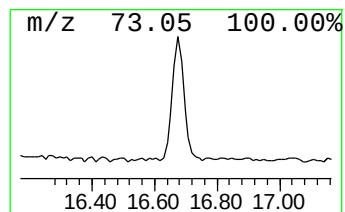
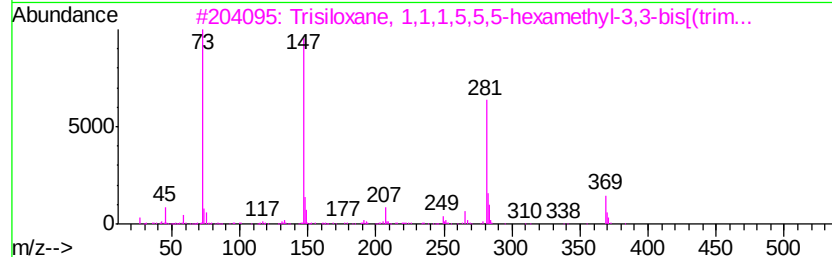
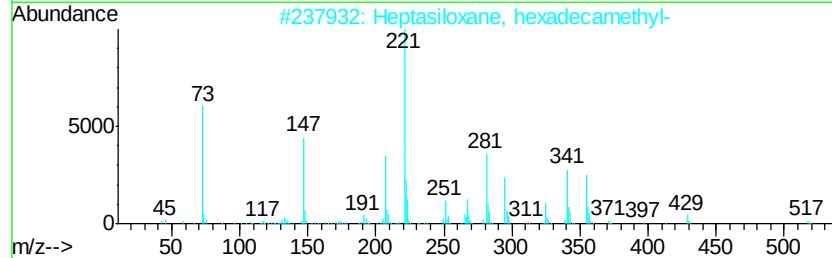
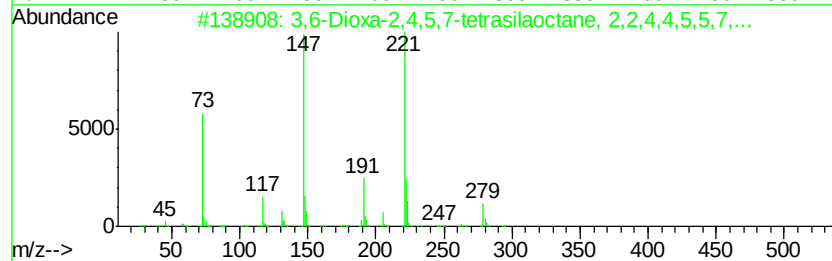
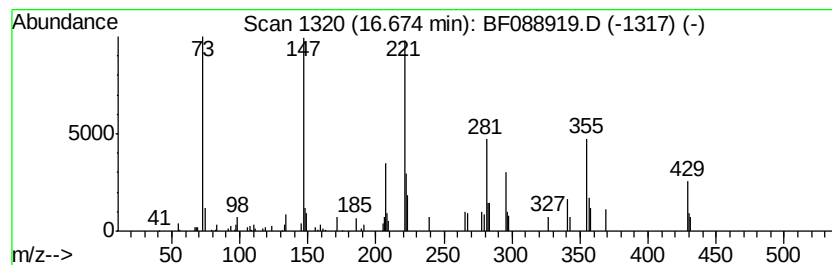
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 unknown16.67 Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.67 | 7.99 ng | 118887 | Perylene-d12     | 15.22 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------|-------------|------|
| 1    |    |   | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0 | 37   |
| 2    |    |   | Heptasiloxane, hexadecamethyl-      | 532 | C16H48O6Si7 | 000541-01-5 | 35   |
| 3    |    |   | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 30   |
| 4    |    |   | 3-Isopropoxy-1,1,1,7,7,7-hexamet... | 576 | C18H52O7Si7 | 071579-69-6 | 25   |
| 5    |    |   | N-Benzyl-N-ethyl-p-isopropylbenz... | 281 | C19H23NO    | 015089-22-2 | 25   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
Data File : BF088919.D  
Acq On : 12 Jul 2016 00:45  
Operator : UM/SJ  
Sample : H3921-24  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

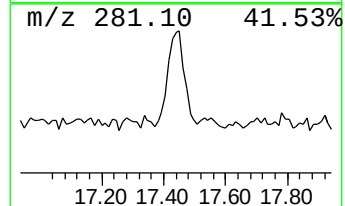
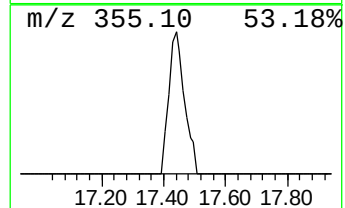
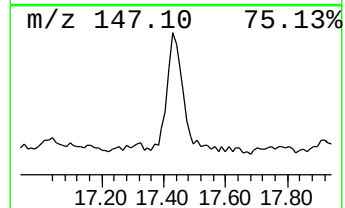
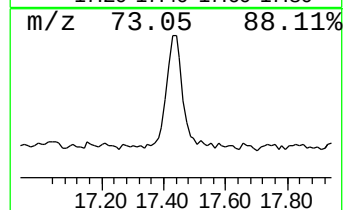
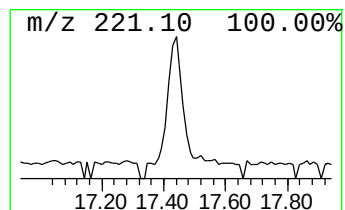
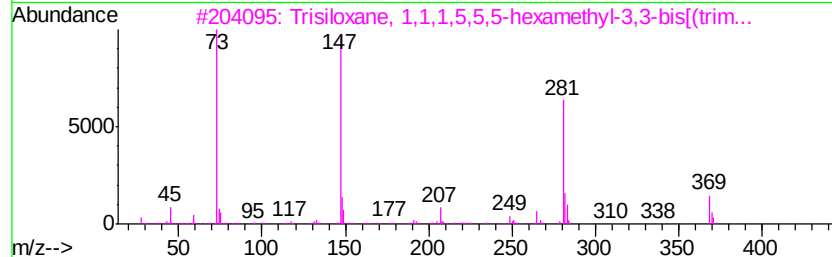
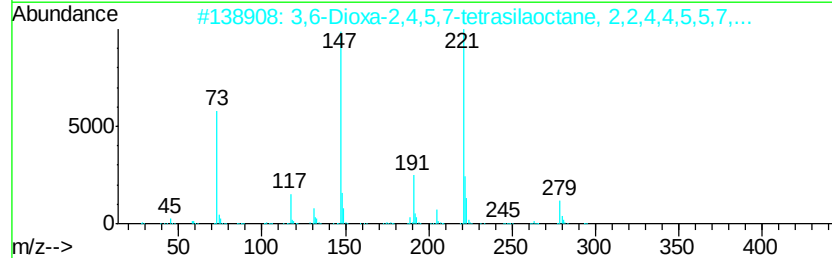
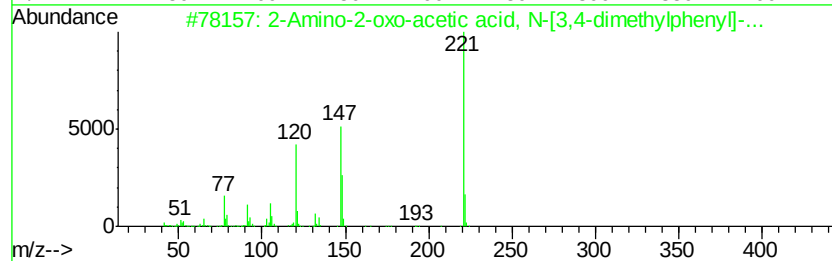
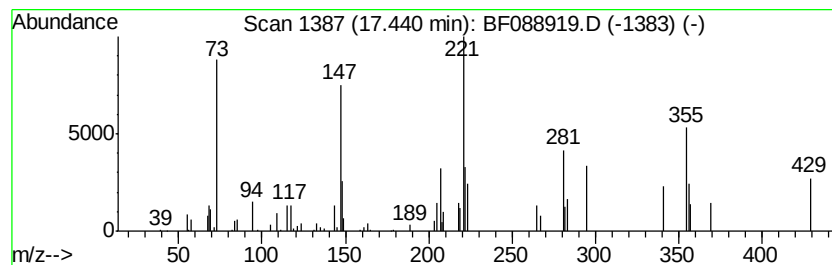
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 unknown17.44 Concentration Rank 15

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 17.44 | 4.36 ng | 64818 | Perylene-d12     | 15.22 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|-------------------------------------|-----|--------------|--------------|------|
| 1    | 5  | 2-Amino-2-oxo-acetic acid, N-[3,... | 221 | C12H15N03    | 024451-17-0  | 25   |
| 2    |    | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4  | 004342-25-0  | 23   |
| 3    |    | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5  | 003555-47-3  | 22   |
| 4    |    | N-Benzyl-N-ethyl-p-isopropylbenz... | 281 | C19H23NO     | 015089-22-2  | 22   |
| 5    |    | 2,6-Dimethyl-3,4-bis(trimethylsi... | 311 | C15H29NO2Si2 | 1000079-52-1 | 12   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071116\  
 Data File : BF088919.D  
 Acq On : 12 Jul 2016 00:45  
 Operator : UM/SJ  
 Sample : H3921-24  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 N8-B5(0-8)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.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... | 4.87  | 4.6 ng  |       | 85730    | 1                     | 6.71  | 372771 | 20.0 |
| unknown6.48          | 6.48  | 72.7 ng |       | 1354280  | 1                     | 6.71  | 372771 | 20.0 |
| Heptadecyl triflu... | 13.71 | 4.6 ng  |       | 112020   | 5                     | 13.84 | 490040 | 20.0 |
| Tetrapentacontane... | 14.34 | 2.8 ng  |       | 68749    | 5                     | 13.84 | 490040 | 20.0 |
| Docosa-2,6,10,14,... | 14.70 | 3.6 ng  |       | 53499    | 6                     | 15.22 | 297444 | 20.0 |
| Octadecanal          | 14.75 | 5.1 ng  |       | 75422    | 6                     | 15.22 | 297444 | 20.0 |
| 2-Chloropropioni...  | 14.95 | 11.3 ng |       | 168589   | 6                     | 15.22 | 297444 | 20.0 |
| Heptasiloxane, he... | 15.10 | 5.6 ng  |       | 83716    | 6                     | 15.22 | 297444 | 20.0 |
| Oxirane, hexadecyl-  | 15.44 | 2.8 ng  |       | 40837    | 6                     | 15.22 | 297444 | 20.0 |
| Cyclononasiloxane... | 15.54 | 6.1 ng  |       | 90994    | 6                     | 15.22 | 297444 | 20.0 |
| Pentacosane          | 15.66 | 6.2 ng  |       | 91464    | 6                     | 15.22 | 297444 | 20.0 |
| Hexasiloxane, tet... | 16.06 | 6.9 ng  |       | 102286   | 6                     | 15.22 | 297444 | 20.0 |
| Bicyclo[10.8.0]ei... | 16.34 | 3.4 ng  |       | 50676    | 6                     | 15.22 | 297444 | 20.0 |
| Docosane             | 16.61 | 2.8 ng  |       | 42264    | 6                     | 15.22 | 297444 | 20.0 |
| unknown16.67         | 16.67 | 8.0 ng  |       | 118887   | 6                     | 15.22 | 297444 | 20.0 |
| unknown17.44         | 17.44 | 4.4 ng  |       | 64818    | 6                     | 15.22 | 297444 | 20.0 |