

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\  
 Data File : BF084921.D  
 Acq On : 6 Feb 2016 19:35  
 Operator : SJ/IZ  
 Sample : H1348-02  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OUTFALL-002

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-BF020116.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         | 4.075       | 172           | 174         | 184          | rVB      | 140168         | 203895        | 5.31%           | 0.640%        |
| 2         | 4.796       | 235           | 237         | 245          | rVB      | 952752         | 1073022       | 27.94%          | 3.366%        |
| 3         | 5.253       | 275           | 277         | 279          | rBV      | 974786         | 1122039       | 29.22%          | 3.519%        |
| 4         | 5.653       | 310           | 312         | 315          | rVB      | 137105         | 123445        | 3.21%           | 0.387%        |
| 5         | 6.316       | 367           | 370         | 374          | rBV      | 544373         | 733784        | 19.11%          | 2.302%        |
| 6         | 6.430       | 377           | 380         | 382          | rVV      | 2375152        | 2157063       | 56.17%          | 6.766%        |
| 7         | 6.510       | 385           | 387         | 393          | rVB      | 51965          | 61017         | 1.59%           | 0.191%        |
| 8         | 6.659       | 398           | 400         | 402          | rBV      | 1219521        | 989151        | 25.76%          | 3.103%        |
| 9         | 6.819       | 411           | 414         | 416          | rBV      | 2970898        | 2919029       | 76.01%          | 9.156%        |
| 10        | 7.230       | 447           | 450         | 452          | rBV      | 2432917        | 2238694       | 58.29%          | 7.022%        |
| 11        | 7.950       | 510           | 513         | 515          | rVB      | 1327012        | 1281140       | 33.36%          | 4.018%        |
| 12        | 9.025       | 605           | 607         | 610          | rBV      | 3800101        | 3840396       | 100.00%         | 12.046%       |
| 13        | 9.116       | 613           | 615         | 617          | rVB2     | 32306          | 38502         | 1.00%           | 0.121%        |
| 14        | 9.425       | 640           | 642         | 644          | rBV      | 755833         | 633036        | 16.48%          | 1.986%        |
| 15        | 9.642       | 659           | 661         | 663          | rBV      | 167551         | 136091        | 3.54%           | 0.427%        |
| 16        | 9.699       | 663           | 666         | 668          | rVV      | 1348318        | 1345977       | 35.05%          | 4.222%        |
| 17        | 9.802       | 672           | 675         | 679          | rBV3     | 28568          | 52711         | 1.37%           | 0.165%        |
| 18        | 9.870       | 679           | 681         | 683          | rBV      | 27664          | 41877         | 1.09%           | 0.131%        |
| 19        | 9.928       | 683           | 686         | 688          | rVV2     | 39176          | 68297         | 1.78%           | 0.214%        |
| 20        | 9.962       | 688           | 689         | 691          | rVB      | 50302          | 41592         | 1.08%           | 0.130%        |
| 21        | 10.145      | 701           | 705         | 706          | rBV      | 241749         | 264220        | 6.88%           | 0.829%        |
| 22        | 10.362      | 721           | 724         | 727          | rBV      | 87495          | 138119        | 3.60%           | 0.433%        |
| 23        | 10.488      | 732           | 735         | 737          | rVV2     | 1106182        | 1509498       | 39.31%          | 4.735%        |
| 24        | 10.613      | 744           | 746         | 753          | rVB      | 315592         | 350193        | 9.12%           | 1.098%        |
| 25        | 10.808      | 761           | 763         | 765          | rBV2     | 37020          | 56024         | 1.46%           | 0.176%        |
| 26        | 11.059      | 783           | 785         | 787          | rBV      | 136090         | 123308        | 3.21%           | 0.387%        |
| 27        | 11.173      | 793           | 795         | 797          | rVB      | 1359462        | 1134003       | 29.53%          | 3.557%        |
| 28        | 11.230      | 797           | 800         | 805          | rVB      | 20769          | 43584         | 1.13%           | 0.137%        |
| 29        | 11.425      | 813           | 817         | 820          | rBV2     | 28996          | 57063         | 1.49%           | 0.179%        |
| 30        | 11.733      | 841           | 844         | 847          | rBV      | 100495         | 167225        | 4.35%           | 0.525%        |
| 31        | 11.905      | 857           | 859         | 863          | rVB2     | 23032          | 46506         | 1.21%           | 0.146%        |
| 32        | 12.602      | 917           | 920         | 922          | rBV      | 238114         | 256749        | 6.69%           | 0.805%        |
| 33        | 12.671      | 925           | 926         | 928          | rVB      | 180575         | 171286        | 4.46%           | 0.537%        |
| 34        | 12.762      | 932           | 934         | 936          | rVB      | 3291019        | 2959152       | 77.05%          | 9.282%        |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\  
 Data File : BF084921.D  
 Acq On : 6 Feb 2016 19:35  
 Operator : SJ/IJ  
 Sample : H1348-02  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OUTFALL-002

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-BF020116.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |        |        |        |
|----|--------|------|------|------|------|---------|--------|--------|--------|
| 35 | 13.002 | 951  | 955  | 959  | rBV2 | 40715   | 77760  | 2.02%  | 0.244% |
| 36 | 13.254 | 974  | 977  | 979  | rBV3 | 86379   | 183136 | 4.77%  | 0.574% |
| 37 | 13.299 | 979  | 981  | 982  | rVV  | 152957  | 145639 | 3.79%  | 0.457% |
| 38 | 13.334 | 982  | 984  | 986  | rVV2 | 76404   | 152996 | 3.98%  | 0.480% |
| 39 | 13.368 | 986  | 987  | 990  | rVB  | 70327   | 72015  | 1.88%  | 0.226% |
| 40 | 13.665 | 1011 | 1013 | 1022 | rBV  | 480919  | 758249 | 19.74% | 2.378% |
| 41 | 13.802 | 1022 | 1025 | 1028 | rVV  | 1033424 | 904531 | 23.55% | 2.837% |
| 42 | 13.996 | 1039 | 1042 | 1047 | rBV  | 59182   | 105532 | 2.75%  | 0.331% |
| 43 | 14.294 | 1065 | 1068 | 1072 | rBV2 | 80899   | 133197 | 3.47%  | 0.418% |
| 44 | 14.454 | 1080 | 1082 | 1083 | rBV  | 33696   | 43834  | 1.14%  | 0.137% |
| 45 | 14.591 | 1091 | 1094 | 1096 | rBV  | 67370   | 77712  | 2.02%  | 0.244% |
| 46 | 14.648 | 1097 | 1099 | 1101 | rVB  | 109651  | 126882 | 3.30%  | 0.398% |
| 47 | 14.888 | 1117 | 1120 | 1122 | rBV  | 75530   | 98170  | 2.56%  | 0.308% |
| 48 | 15.174 | 1142 | 1145 | 1147 | rBV  | 761892  | 843216 | 21.96% | 2.645% |
| 49 | 15.219 | 1147 | 1149 | 1153 | rVB  | 71705   | 100224 | 2.61%  | 0.314% |
| 50 | 15.597 | 1179 | 1182 | 1184 | rBV  | 66062   | 93632  | 2.44%  | 0.294% |
| 51 | 15.642 | 1184 | 1186 | 1189 | rBV  | 56758   | 99157  | 2.58%  | 0.311% |
| 52 | 16.008 | 1215 | 1218 | 1228 | rVB3 | 122031  | 329224 | 8.57%  | 1.033% |
| 53 | 16.397 | 1249 | 1252 | 1256 | rBV  | 45290   | 95652  | 2.49%  | 0.300% |
| 54 | 16.534 | 1261 | 1264 | 1266 | rBV  | 44033   | 79015  | 2.06%  | 0.248% |
| 55 | 16.591 | 1266 | 1269 | 1275 | rVB8 | 22361   | 72629  | 1.89%  | 0.228% |
| 56 | 16.945 | 1296 | 1300 | 1305 | rBV2 | 143619  | 387695 | 10.10% | 1.216% |
| 57 | 17.025 | 1305 | 1307 | 1313 | rVV5 | 44487   | 120058 | 3.13%  | 0.377% |
| 58 | 17.117 | 1313 | 1315 | 1320 | rVB2 | 34406   | 77899  | 2.03%  | 0.244% |
| 59 | 17.391 | 1335 | 1339 | 1343 | rVB2 | 60619   | 141494 | 3.68%  | 0.444% |
| 60 | 17.825 | 1374 | 1377 | 1382 | rBV4 | 20021   | 52248  | 1.36%  | 0.164% |
| 61 | 18.968 | 1472 | 1477 | 1482 | rVB4 | 42131   | 132204 | 3.44%  | 0.415% |

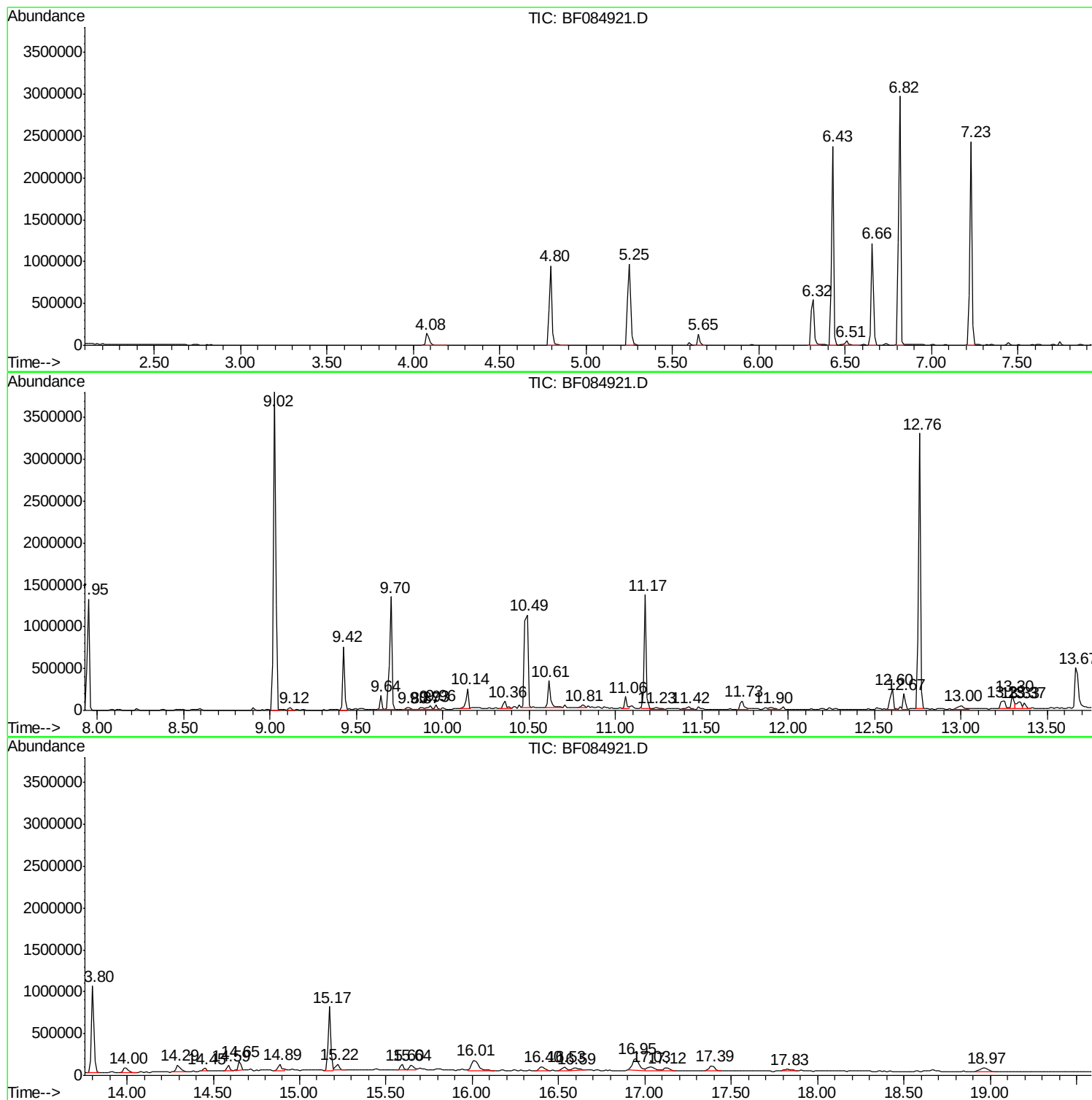
Sum of corrected areas: 31881688

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

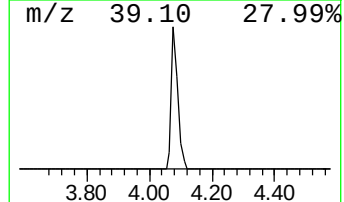
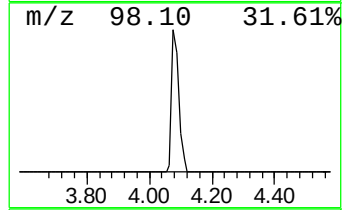
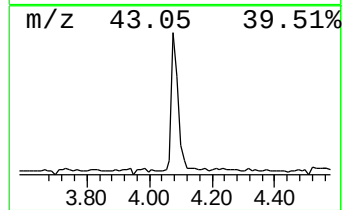
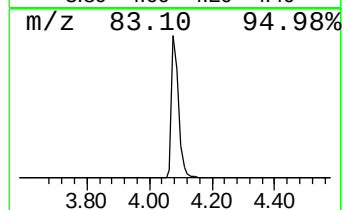
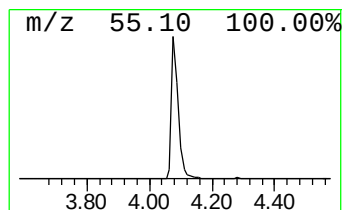
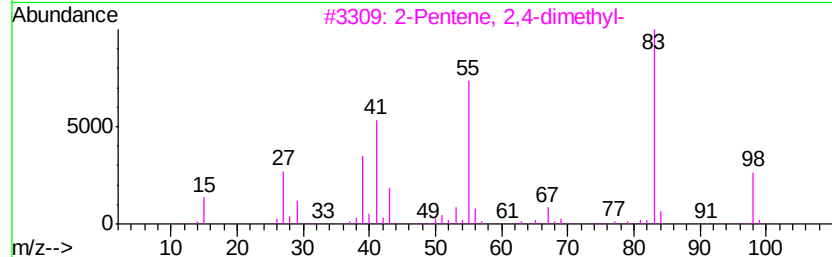
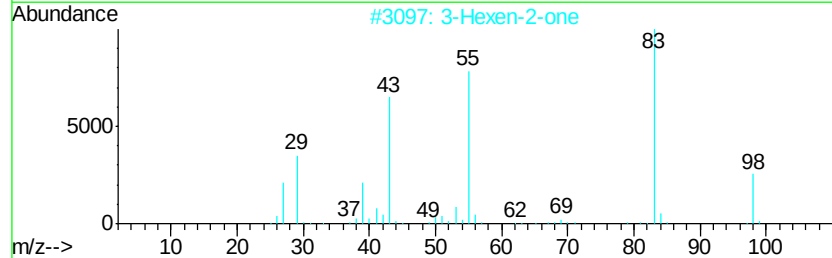
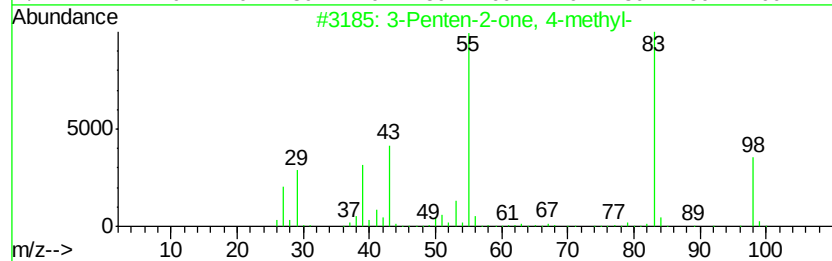
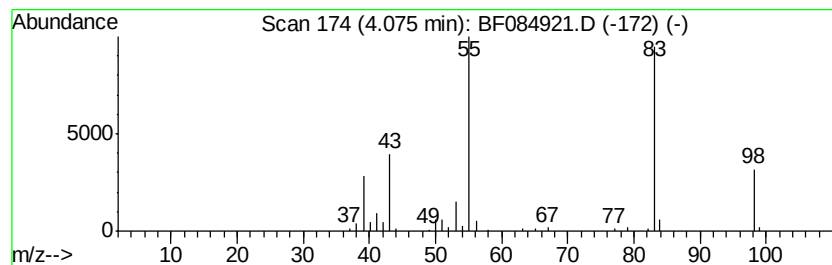
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 9

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.08 | 4.12 ng | 203895 | 1,4-Dichlorobenzene-d4 | 6.66 |

| Hit# | of | 5 | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|----|---------|-------------|------|
| 1    |    |   | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 91   |
| 2    |    |   | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9 | 91   |
| 3    |    |   | 2-Pentene, 2,4-dimethyl-       | 98 | C7H14   | 000625-65-0 | 87   |
| 4    |    |   | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14   | 004914-92-5 | 86   |
| 5    |    |   | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14   | 004914-91-4 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

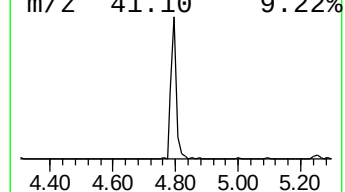
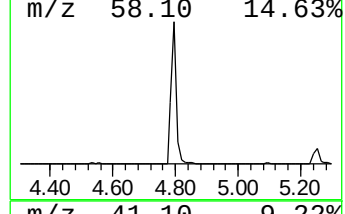
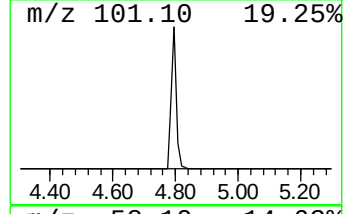
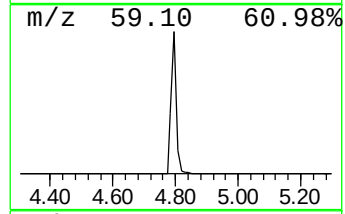
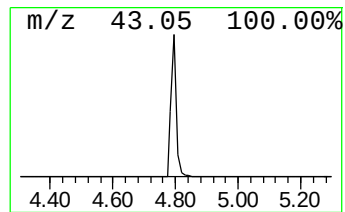
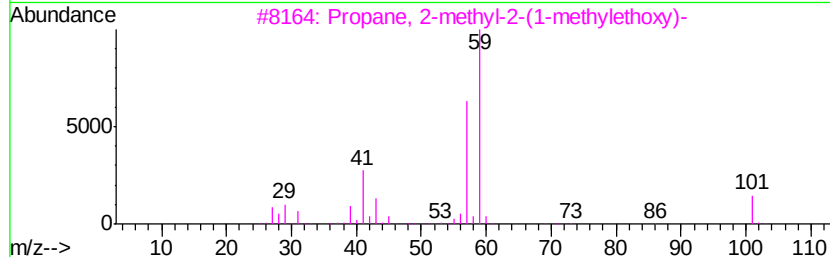
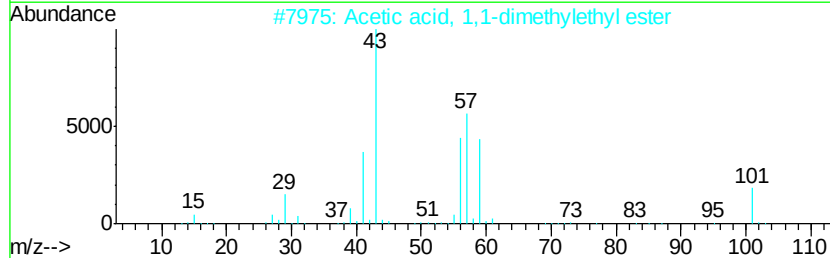
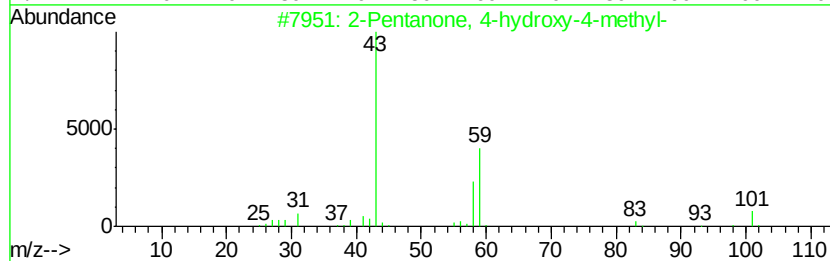
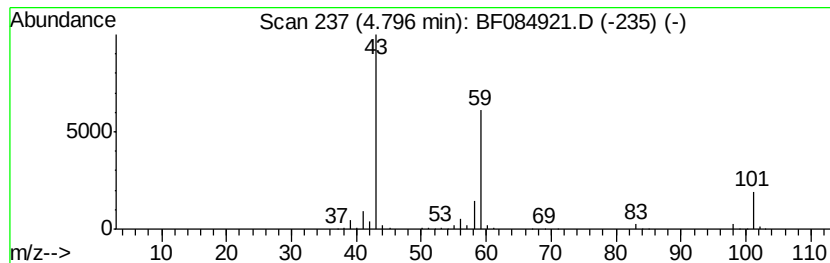
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.80 | 21.70 ng | 1073020 | 1,4-Dichlorobenzene-d4 | 6.66 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 28   |
| 4    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 5    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

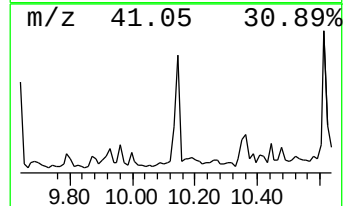
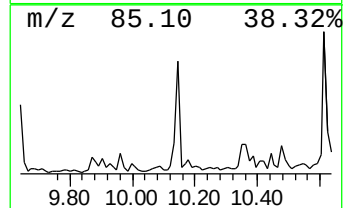
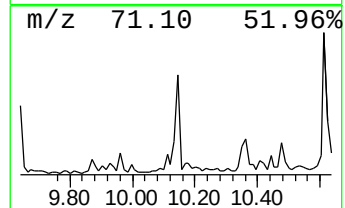
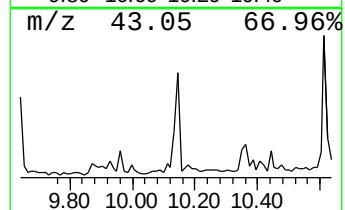
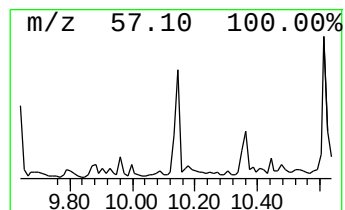
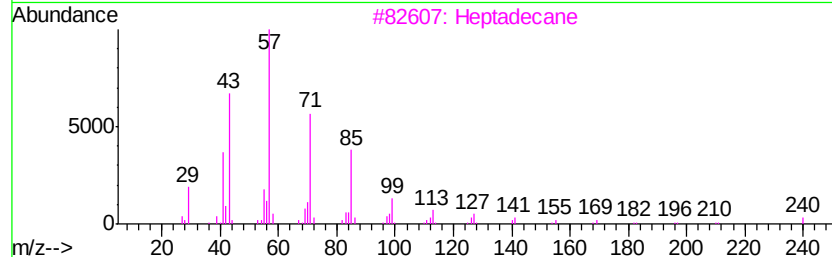
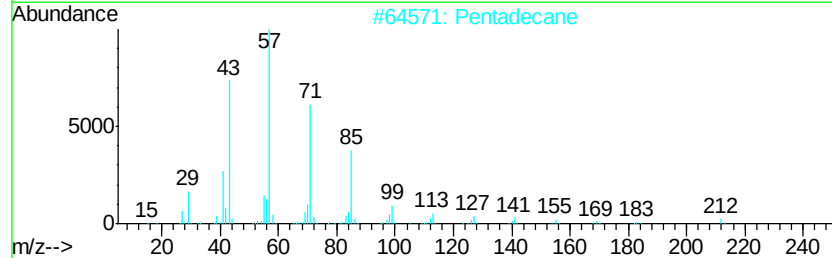
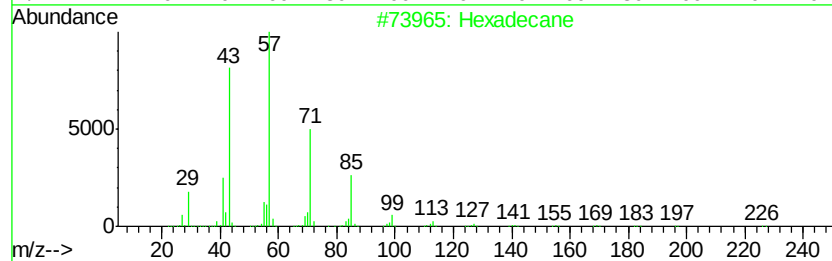
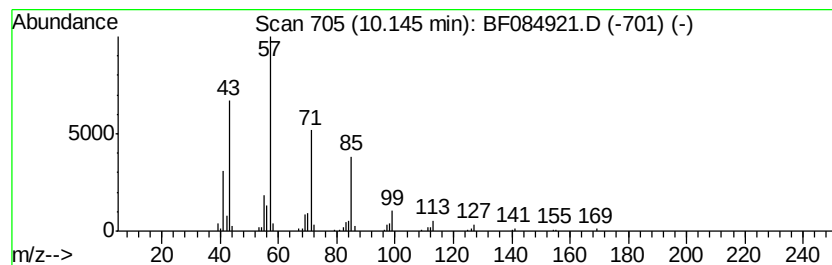
Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Hexadecane Concentration Rank 11

| R.T.    | EstConc                  | Area         | Relative to ISTD | R.T.      |
|---------|--------------------------|--------------|------------------|-----------|
| 10.14   | 3.93 ng                  | 264220       | Acenaphthene-d10 | 9.70      |
| Hit# of | 5                        | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Hexadecane               | 226 C16H34   | 000544-76-3      | 90        |
| 2       | Pentadecane              | 212 C15H32   | 000629-62-9      | 90        |
| 3       | Heptadecane              | 240 C17H36   | 000629-78-7      | 80        |
| 4       | Decane, 2,3,5-trimethyl- | 184 C13H28   | 062238-11-3      | 78        |
| 5       | Nonane, 5-butyl-         | 184 C13H28   | 017312-63-9      | 72        |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

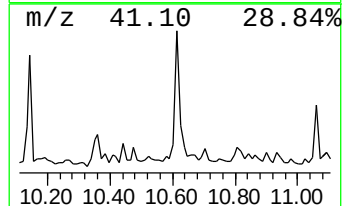
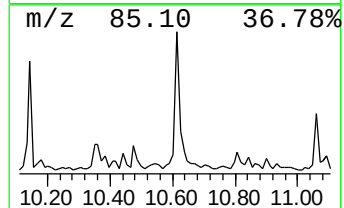
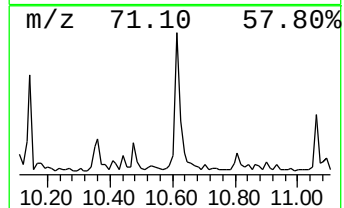
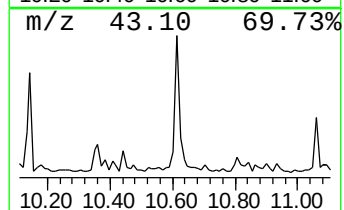
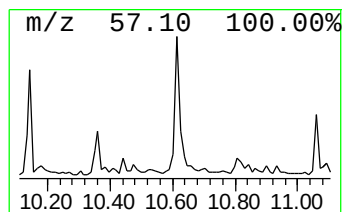
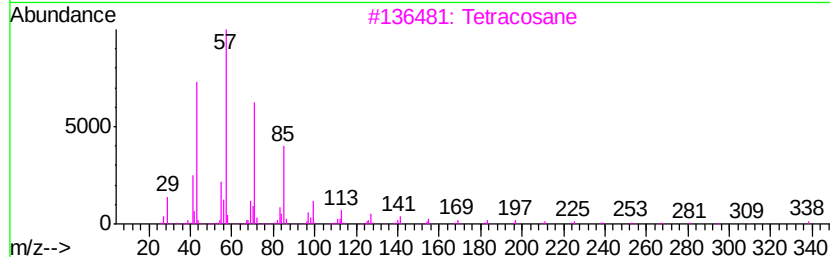
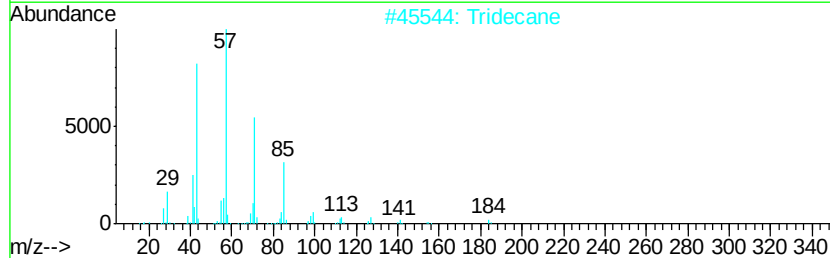
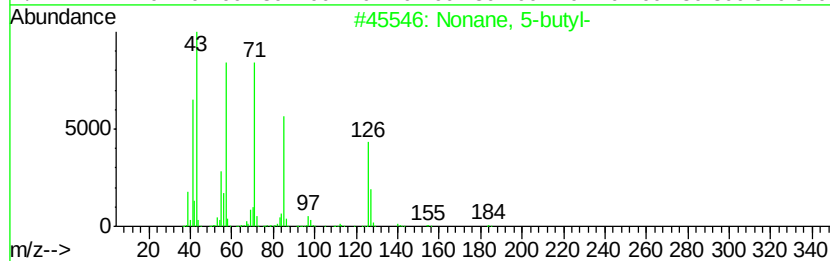
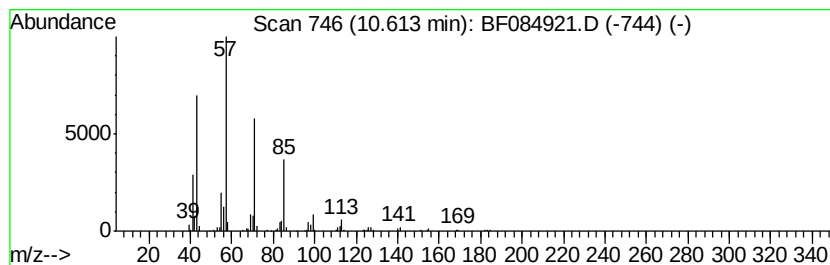
Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Nonane, 5-butyl- Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD  |     | R.T.    |             |      |
|-------|---------|--------|-------------------|-----|---------|-------------|------|
| 10.61 | 6.18 ng | 350193 | Phenanthrene-d10  |     | 11.17   |             |      |
| Hit#  | of      | 5      | Tentative ID      | MW  | MolForm | CAS#        | Qual |
| 1     |         |        | Nonane, 5-butyl-  | 184 | C13H28  | 017312-63-9 | 94   |
| 2     |         |        | Tridecane         | 184 | C13H28  | 000629-50-5 | 94   |
| 3     |         |        | Tetracosane       | 338 | C24H50  | 000646-31-1 | 90   |
| 4     |         |        | Decane, 5-propyl- | 184 | C13H28  | 017312-62-8 | 87   |
| 5     |         |        | Hexadecane        | 226 | C16H34  | 000544-76-3 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

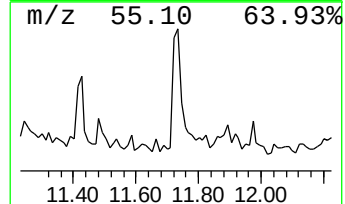
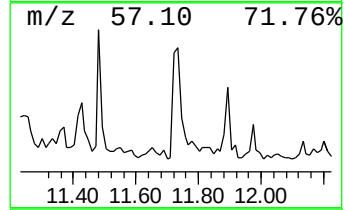
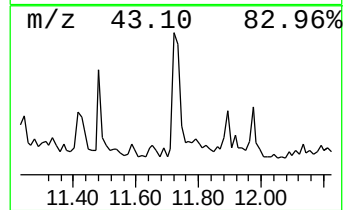
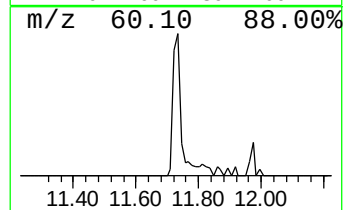
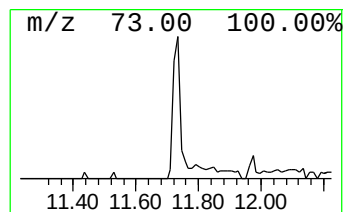
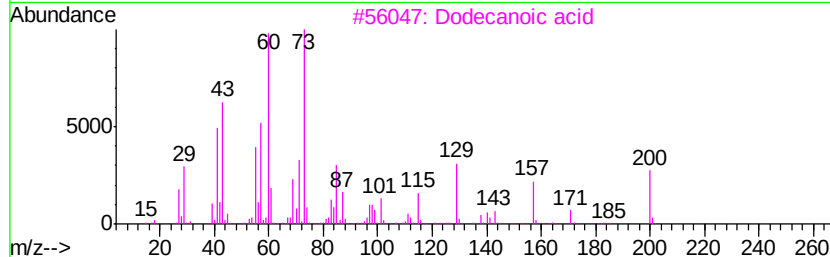
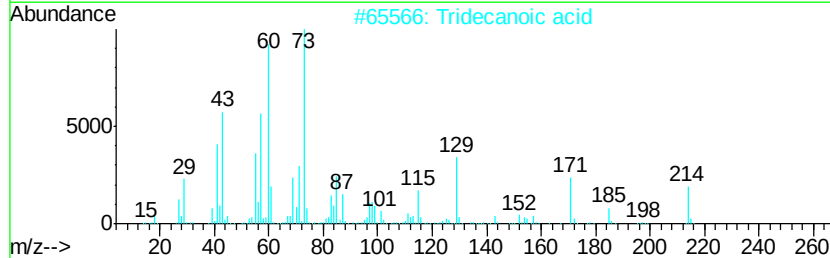
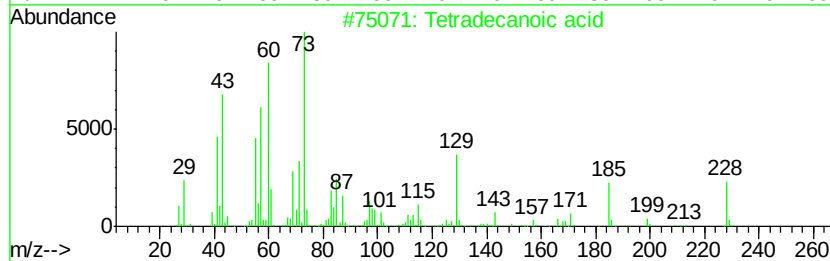
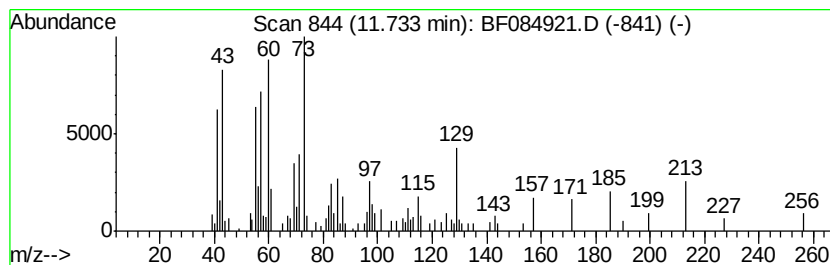
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Tetradecanoic acid Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.73 | 2.95 ng | 167225 | Phenanthrene-d10 | 11.17 |

| Hit# | of | Tentative ID                | MW  | MolForm     | CAS#        | Qual |
|------|----|-----------------------------|-----|-------------|-------------|------|
| 1    | 5  | Tetradecanoic acid          | 228 | C14H28O2    | 000544-63-8 | 80   |
| 2    |    | Tridecanoic acid            | 214 | C13H26O2    | 000638-53-9 | 72   |
| 3    |    | Dodecanoic acid             | 200 | C12H24O2    | 000143-07-7 | 49   |
| 4    |    | Ethanol, 2-(hexadecyloxy)-  | 286 | C18H38O2    | 002136-71-2 | 18   |
| 5    |    | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 11   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

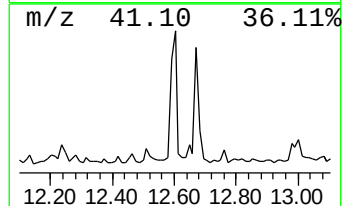
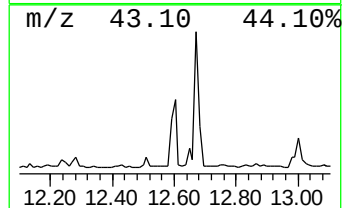
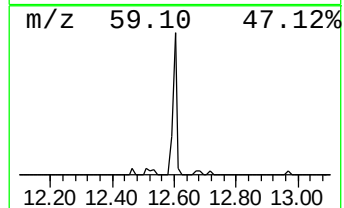
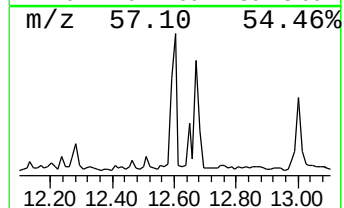
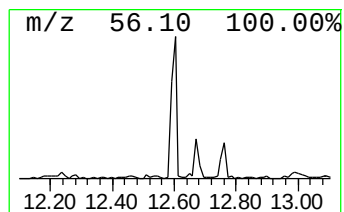
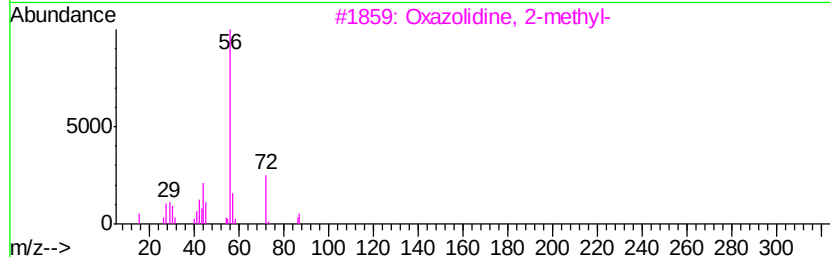
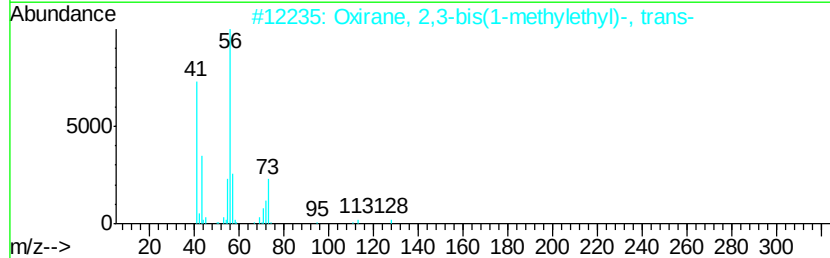
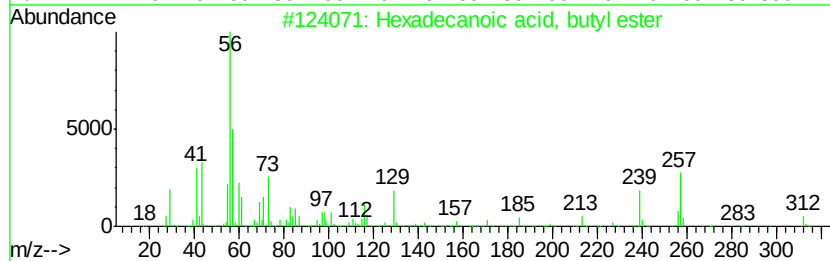
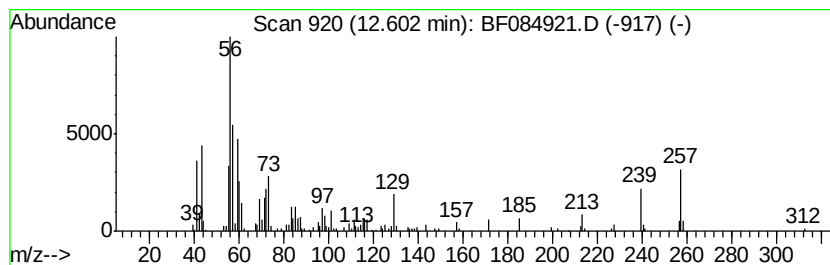
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Hexadecanoic acid, butyl ester Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.60 | 5.68 ng | 256749 | Chrysene-d12     | 13.80 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, butyl ester      | 312 | C20H40O2 | 000111-06-8 | 76   |
| 2    |    | Oxirane, 2,3-bis(1-methylethyl)-... | 128 | C8H16O   | 054644-32-5 | 35   |
| 3    |    | Oxazolidine, 2-methyl-              | 87  | C4H9NO   | 016250-70-7 | 27   |
| 4    |    | Cyclohexanol, 2-amino-, trans-      | 115 | C6H13NO  | 006982-39-4 | 27   |
| 5    |    | 1,3-Hexanediol, 2-ethyl-            | 146 | C8H18O2  | 000094-96-2 | 27   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

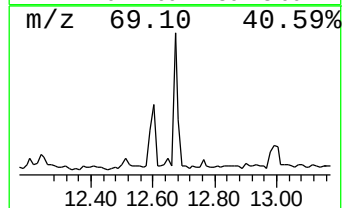
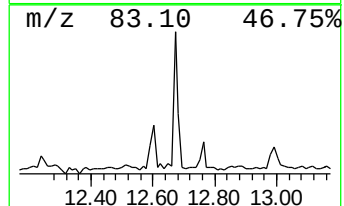
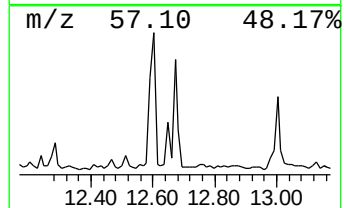
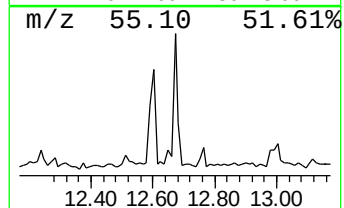
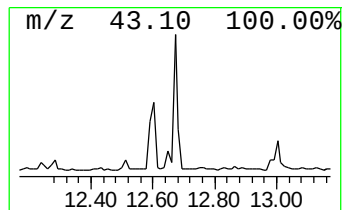
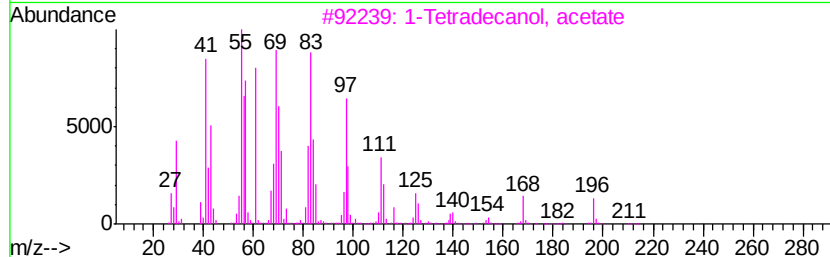
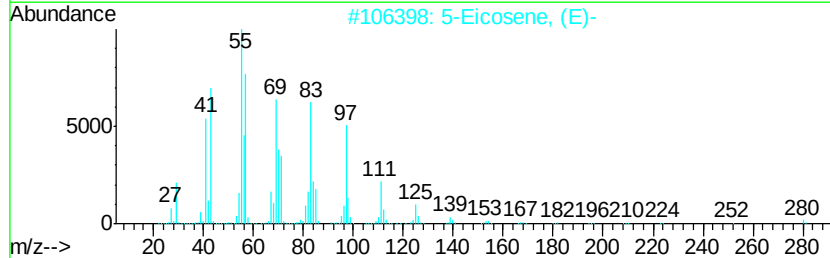
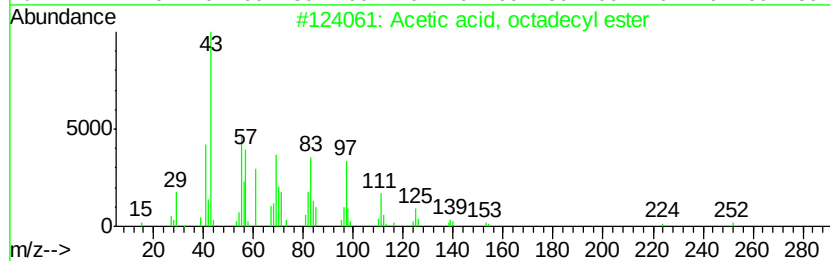
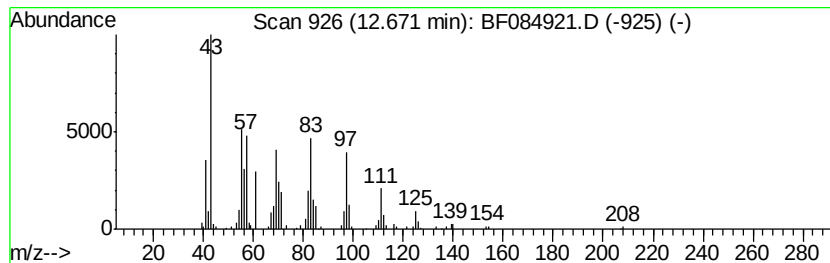
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Acetic acid, octadecyl ester Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.67 | 3.79 ng | 171286 | Chrysene-d12     | 13.80 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|---------|---|-------------------------------------|-----|------------|--------------|------|
| 1       |   | Acetic acid, octadecyl ester        | 312 | C20H40O2   | 000822-23-1  | 87   |
| 2       |   | 5-Eicosene, (E)-                    | 280 | C20H40     | 074685-30-6  | 64   |
| 3       |   | 1-Tetradecanol, acetate             | 256 | C16H32O2   | 000638-59-5  | 62   |
| 4       |   | 9-Octadecene, (E)-                  | 252 | C18H36     | 007206-25-9  | 58   |
| 5       |   | Trifluoroacetic acid, n-heptadec... | 324 | C17H31F3O2 | 1000216-79-2 | 58   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

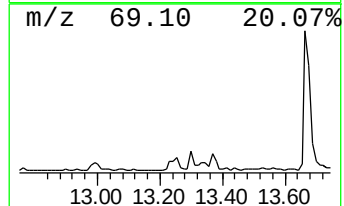
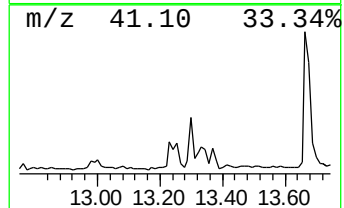
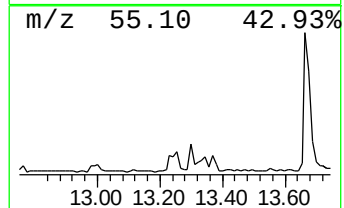
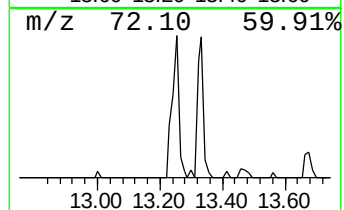
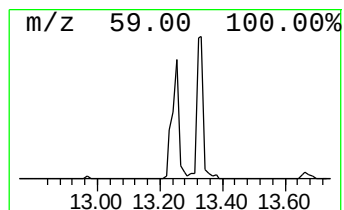
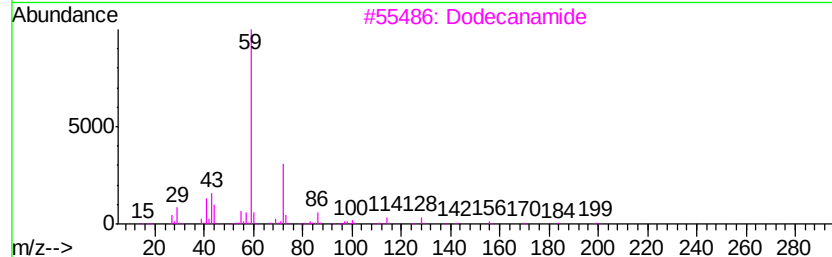
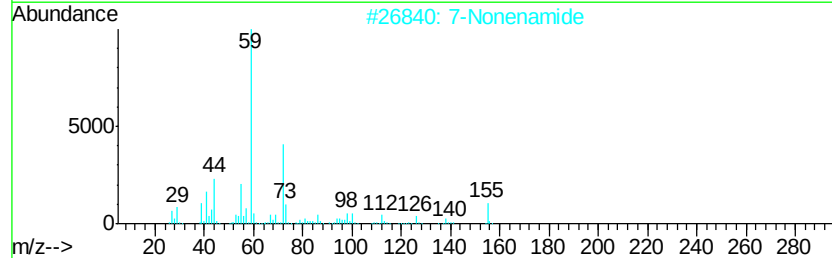
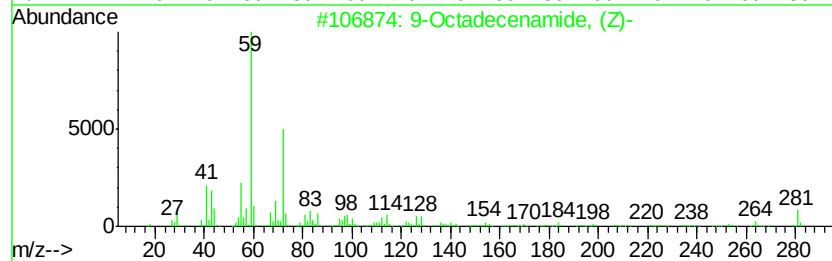
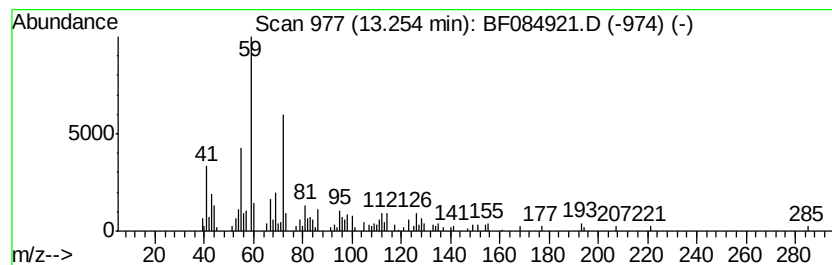
Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 9-Octadecenamide, (Z)- Concentration Rank 10

| R.T.      | EstConc                | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------|--------|------------------|-------------|------|
| 13.25     | 4.05 ng                | 183136 | Chrysene-d12     | 13.80       |      |
| Hit# of 5 | Tentative ID           | MW     | MolForm          | CAS#        | Qual |
| 1         | 9-Octadecenamide, (Z)- | 281    | C18H35NO         | 000301-02-0 | 90   |
| 2         | 7-Nonenamide           | 155    | C9H17NO          | 090949-53-4 | 74   |
| 3         | Dodecanamide           | 199    | C12H25NO         | 001120-16-7 | 64   |
| 4         | Octadecanamide         | 283    | C18H37NO         | 000124-26-5 | 53   |
| 5         | Tetradecanamide        | 227    | C14H29NO         | 000638-58-4 | 53   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

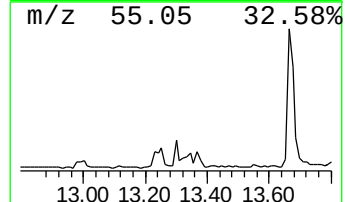
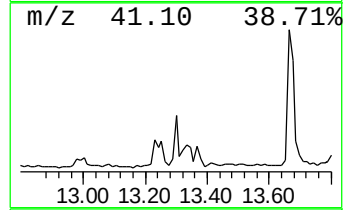
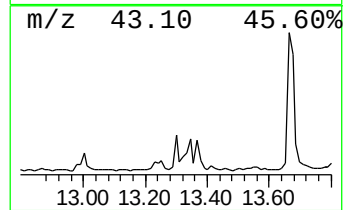
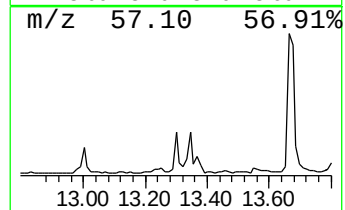
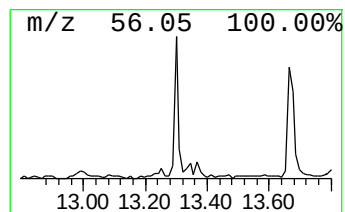
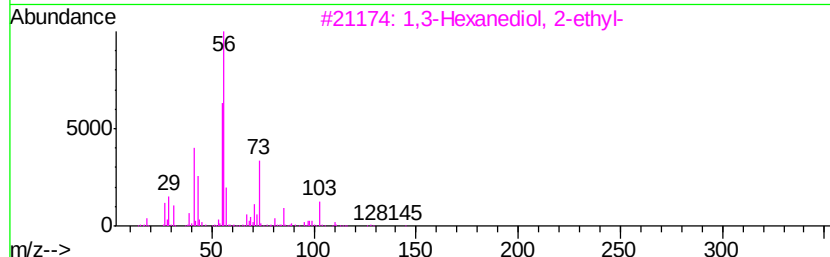
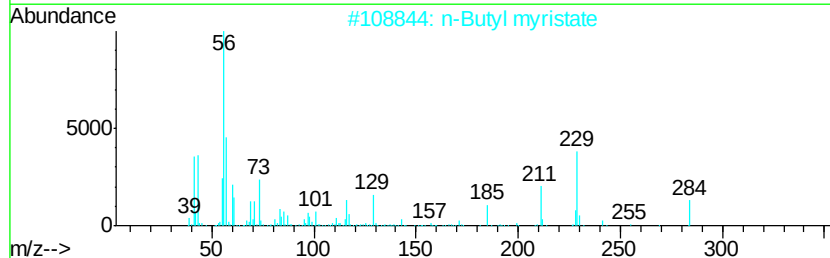
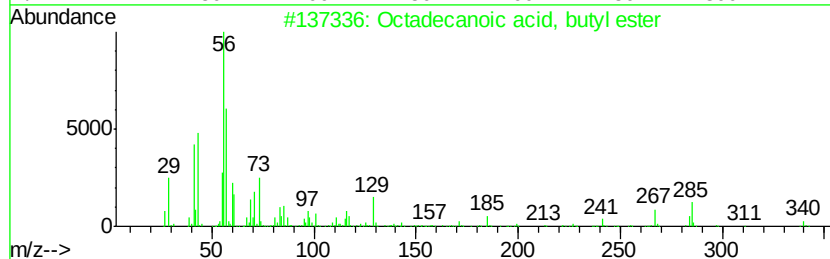
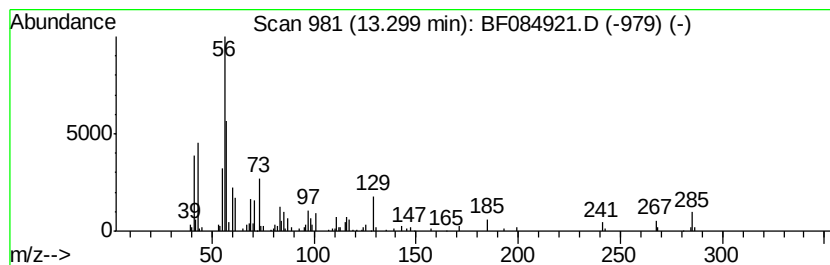
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Octadecanoic acid, butyl ester Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.30 | 3.22 ng | 145639 | Chrysene-d12     | 13.80 |

| Hit# | of | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid, butyl ester | 340 | C22H44O2 | 000123-95-5 | 87   |
| 2    |    | n-Butyl myristate              | 284 | C18H36O2 | 000110-36-1 | 86   |
| 3    |    | 1,3-Hexanediol, 2-ethyl-       | 146 | C8H18O2  | 000094-96-2 | 40   |
| 4    |    | Cyclopentanone, 2,2-dimethyl-  | 112 | C7H12O   | 004541-32-6 | 38   |
| 5    |    | Pentadecane, 8-methylene-      | 224 | C16H32   | 055668-09-2 | 37   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

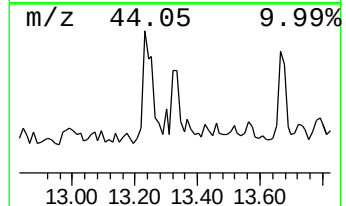
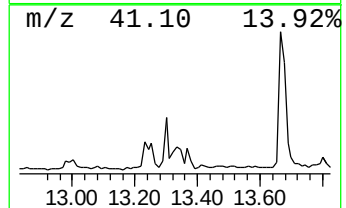
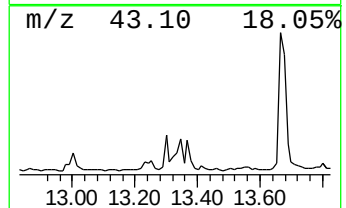
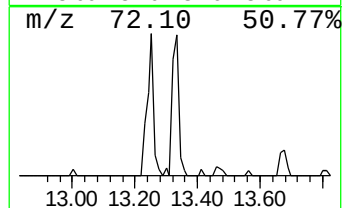
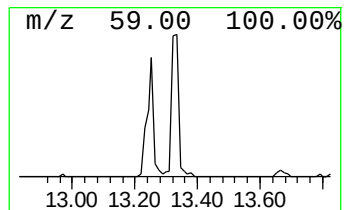
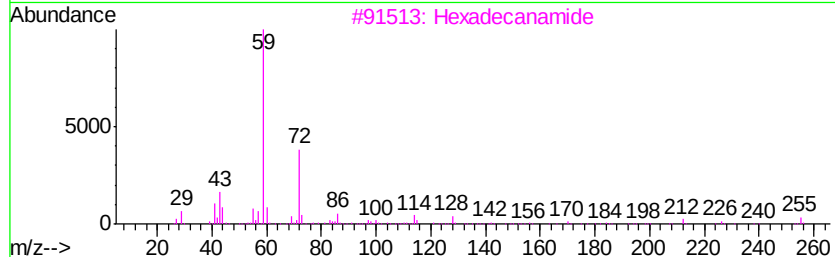
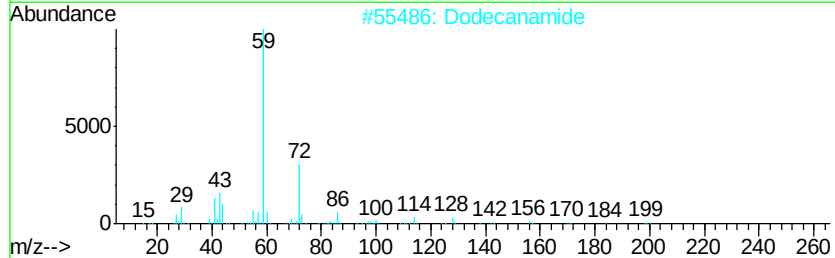
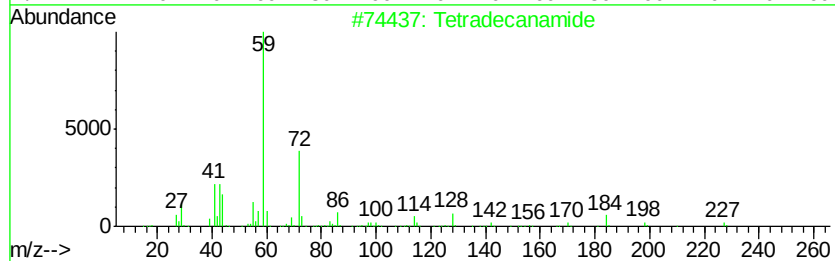
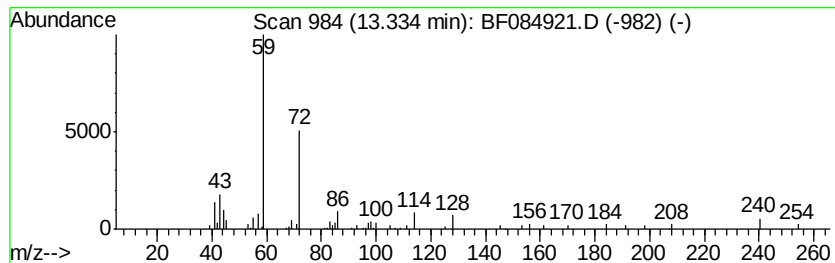
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Tetradecanamide Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.33 | 3.38 ng | 152996 | Chrysene-d12     | 13.80 |

| Hit# | of | Tentative ID               | MW  | MolForm    | CAS#         | Qual |
|------|----|----------------------------|-----|------------|--------------|------|
| 1    | 5  | Tetradecanamide            | 227 | C14H29NO   | 000638-58-4  | 78   |
| 2    |    | Dodecanamide               | 199 | C12H25NO   | 001120-16-7  | 72   |
| 3    |    | Hexadecanamide             | 255 | C16H33NO   | 000629-54-9  | 72   |
| 4    |    | Pentadecanamide, 15-bromo- | 319 | C15H30BrNO | 1000163-86-1 | 56   |
| 5    |    | Decanamide-                | 171 | C10H21NO   | 002319-29-1  | 53   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

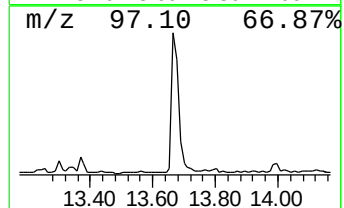
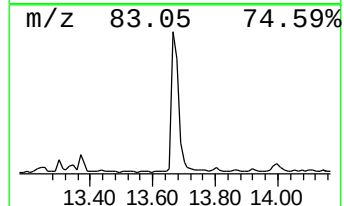
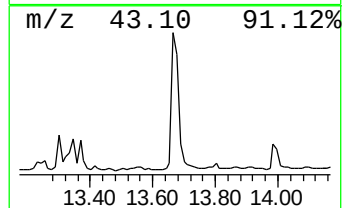
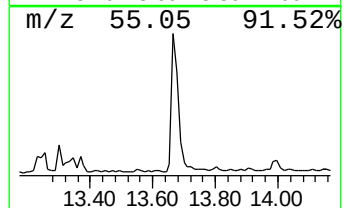
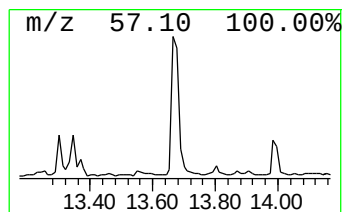
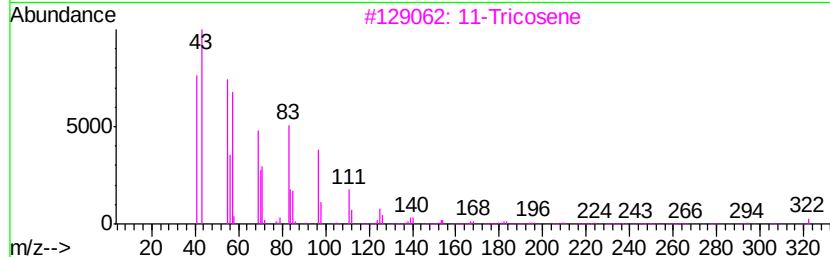
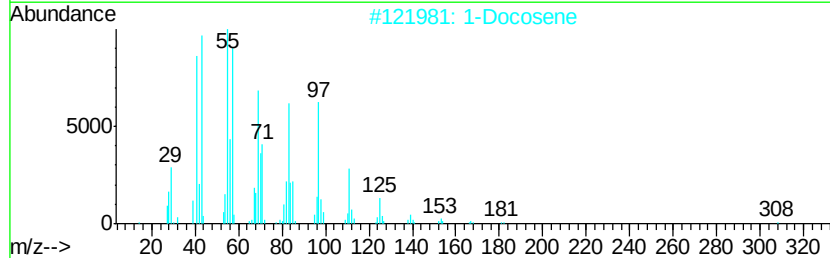
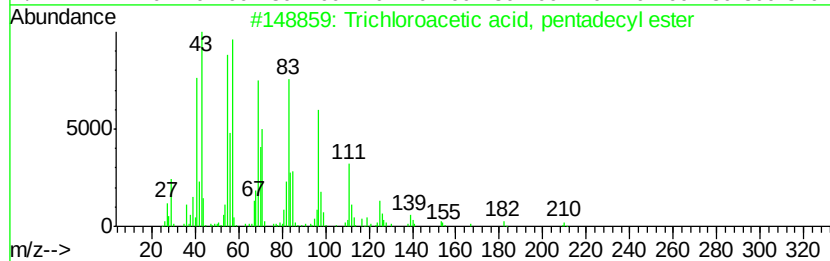
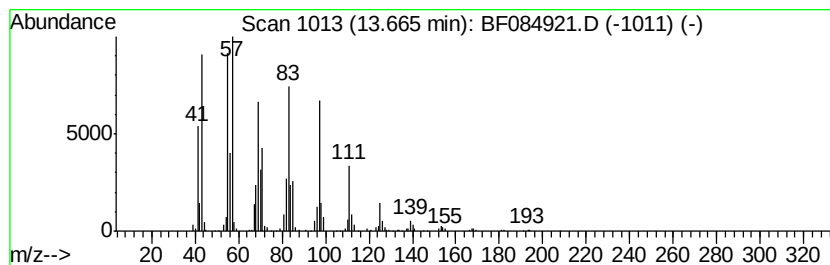
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Trichloroacetic acid, penta... Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 13.67 | 16.77 ng | 758249 | Chrysene-d12     | 13.80 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|---------|---|-------------------------------------|-----|-------------|-------------|------|
| 1       |   | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 94   |
| 2       |   | 1-Docosene                          | 308 | C22H44      | 001599-67-3 | 94   |
| 3       |   | 11-Tricosene                        | 322 | C23H46      | 052078-56-5 | 91   |
| 4       |   | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5 | 91   |
| 5       |   | 17-Pentatriacontene                 | 491 | C35H70      | 006971-40-0 | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

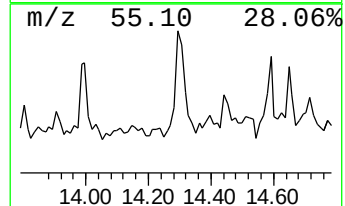
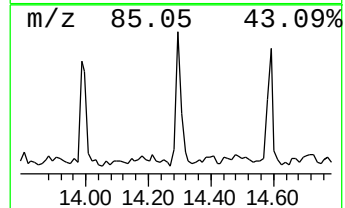
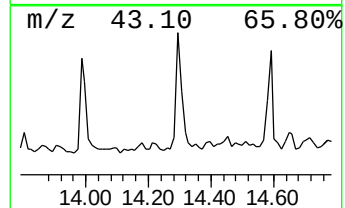
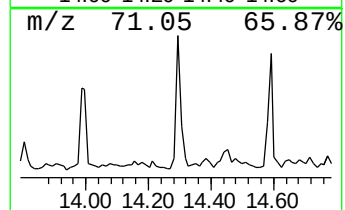
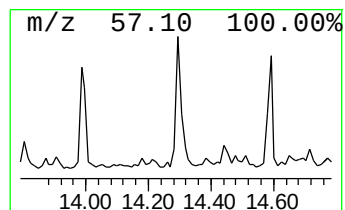
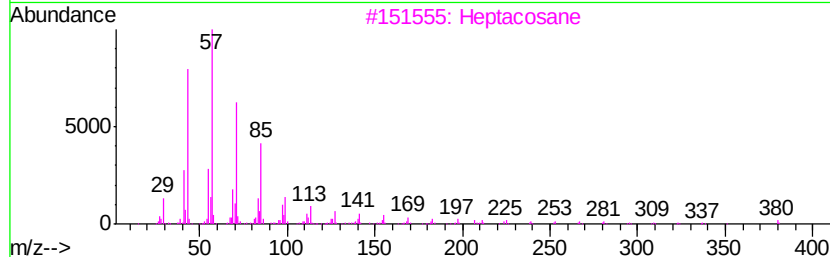
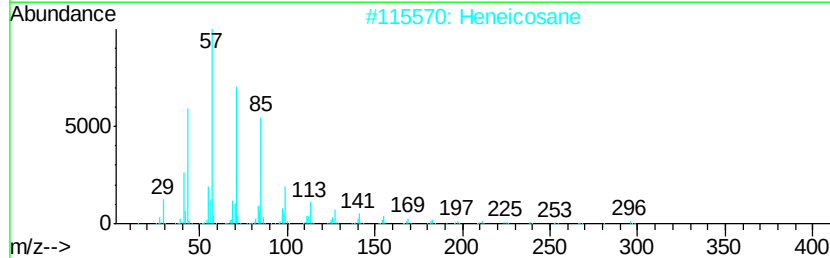
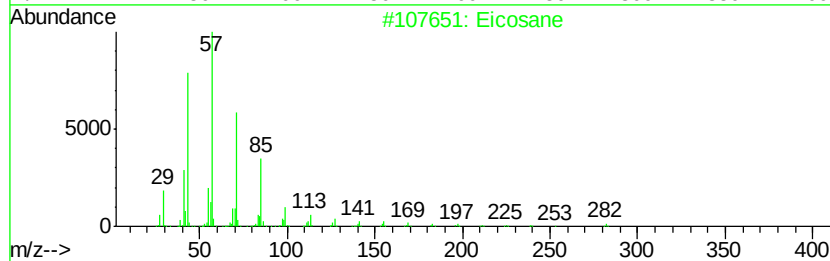
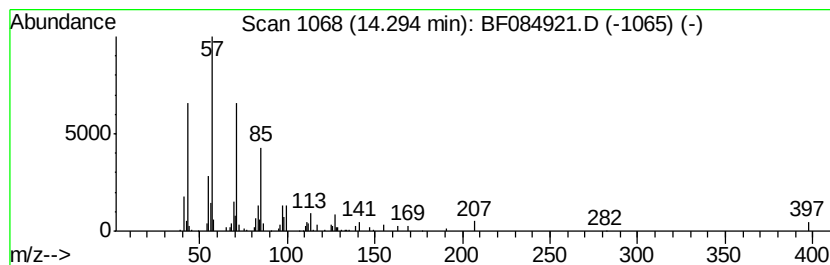
Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Eicosane Concentration Rank 19

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------|--------------|------------------|-----------|
| 14.29   | 2.95 ng               | 133197       | Chrysene-d12     | 13.80     |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Eicosane              | 282 C20H42   | 000112-95-8      | 93        |
| 2       | Heneicosane           | 296 C21H44   | 000629-94-7      | 90        |
| 3       | Heptacosane           | 380 C27H56   | 000593-49-7      | 90        |
| 4       | Tetratriacontane      | 479 C34H70   | 014167-59-0      | 90        |
| 5       | Heptadecane, 9-octyl- | 352 C25H52   | 007225-64-1      | 87        |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

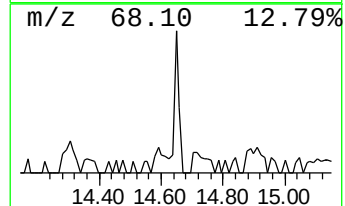
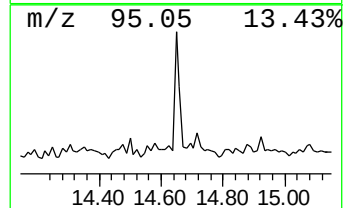
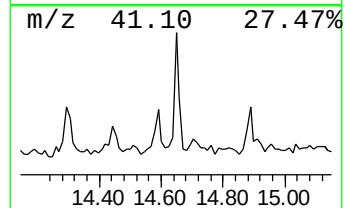
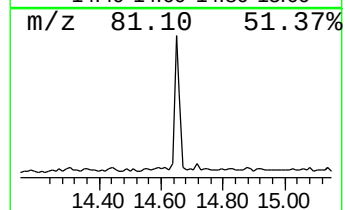
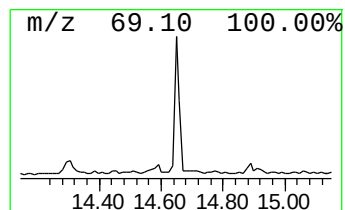
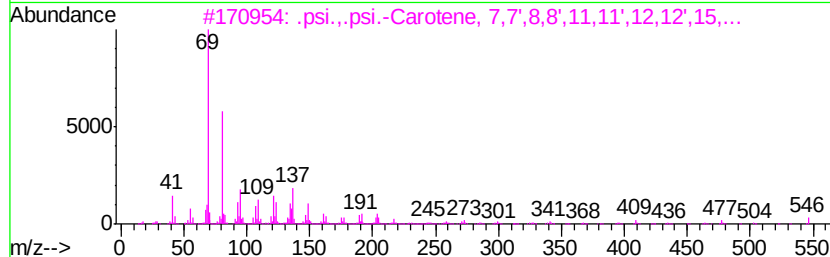
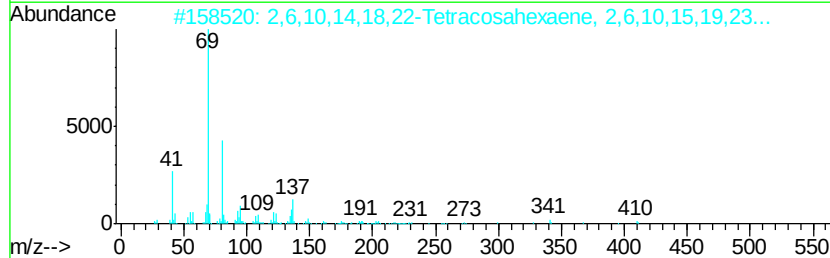
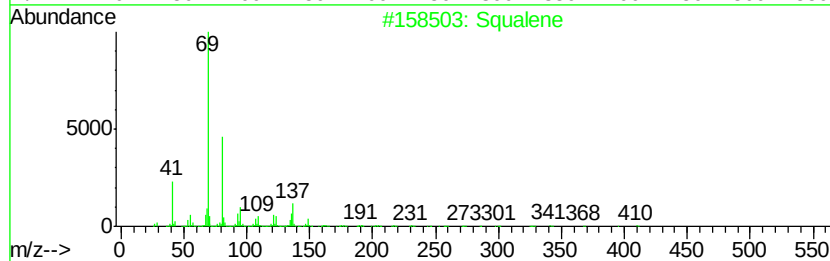
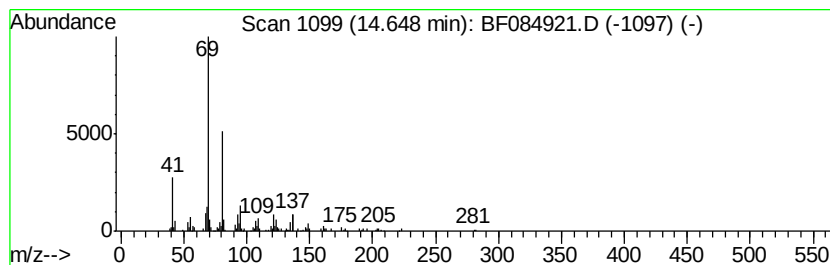
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Squalene Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.65 | 3.01 ng | 126882 | Perylene-d12     | 15.17 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Squalene                            | 410 | C30H50  | 007683-64-9 | 91   |
| 2    |    |   | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4 | 90   |
| 3    |    |   | .psi.,.psi.-Carotene, 7,7',8,8',... | 547 | C40H66  | 000502-62-5 | 83   |
| 4    |    |   | 4,8,12-Tetradecatrienitrile, 5...   | 245 | C17H27N | 005981-31-7 | 72   |
| 5    |    |   | 4,8,12-Tetradecatrienal, 5,9,13-... | 248 | C17H28O | 066408-55-7 | 72   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

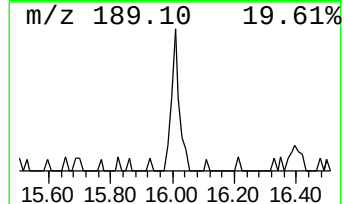
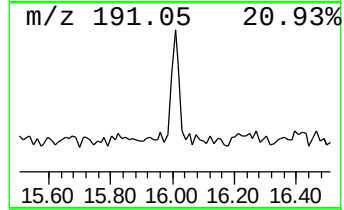
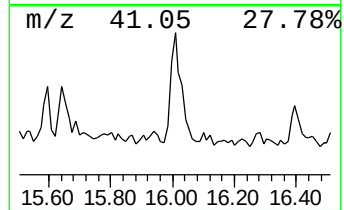
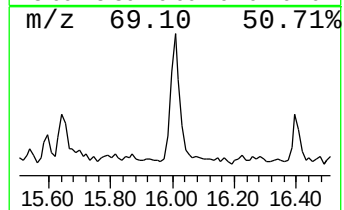
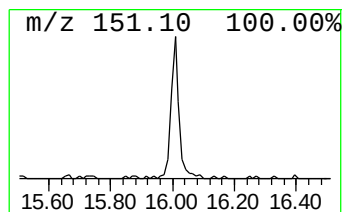
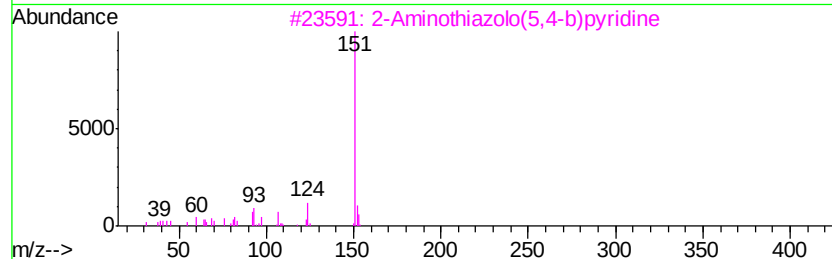
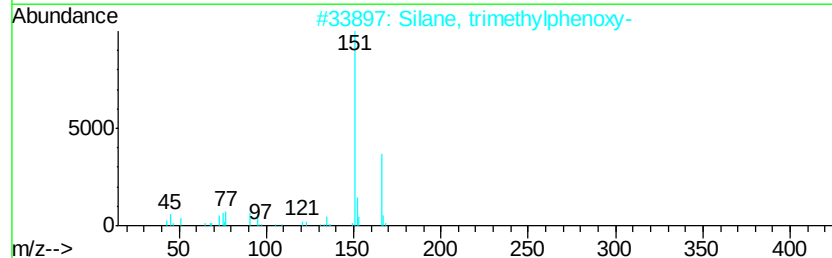
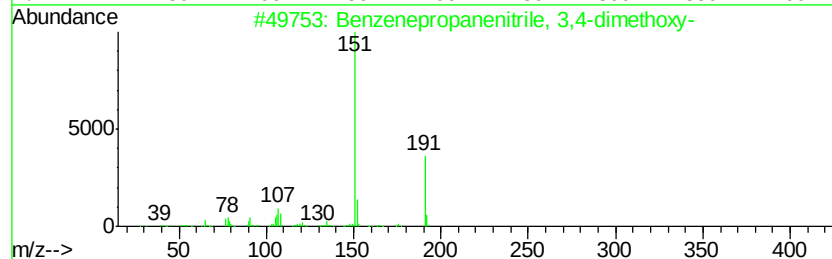
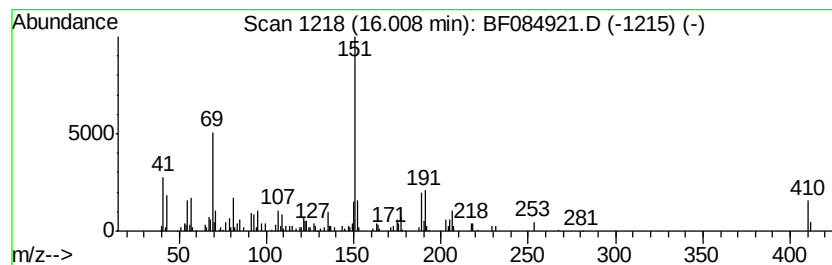
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Benzenepropanenitrile, 3,4-... Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.01 | 7.81 ng | 329224 | Perylene-d12     | 15.17 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Benzenepropanenitrile, 3,4-dimet... | 191 | C11H13N02 | 049621-56-9 | 50   |
| 2    |    |   | Silane, trimethylphenoxy-           | 166 | C9H14OSi  | 001529-17-5 | 43   |
| 3    |    |   | 2-Aminothiazolo(5,4-b)pyridine      | 151 | C6H5N3S   | 031784-70-0 | 43   |
| 4    |    |   | Silane, 3-butenylmethoxymethylph... | 206 | C12H18OSi | 076557-75-0 | 43   |
| 5    |    |   | 3,4-Dimethoxy-dl-phenylalanine      | 225 | C11H15N04 | 033522-62-2 | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

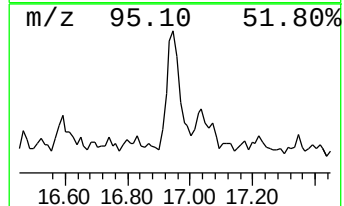
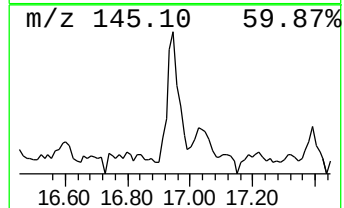
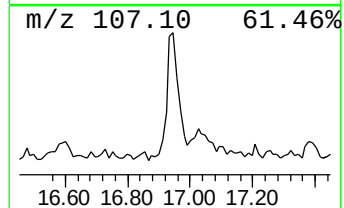
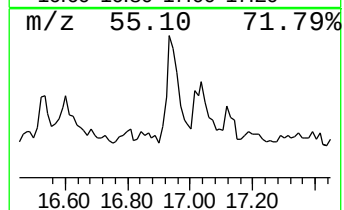
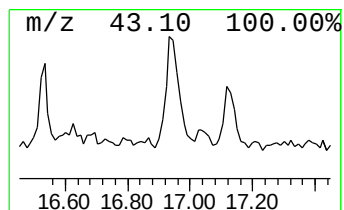
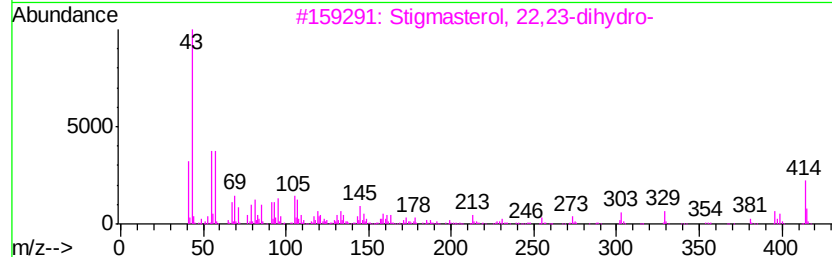
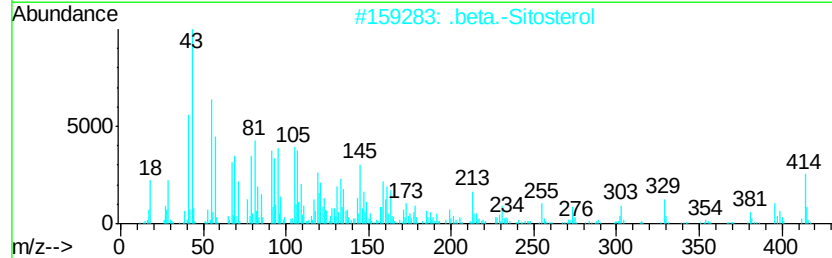
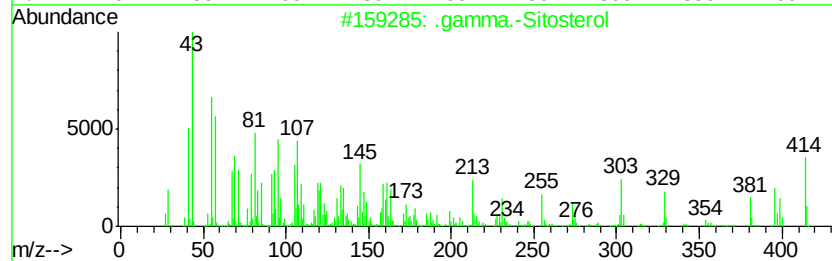
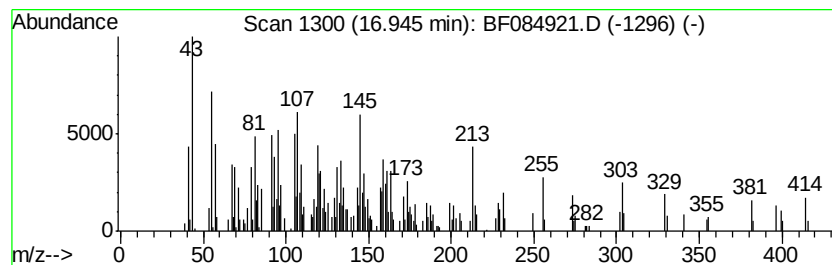
Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 .gamma.-Sitosterol Concentration Rank 5

| R.T.      | EstConc                      | Area   | Relative to ISTD | R.T.         |      |
|-----------|------------------------------|--------|------------------|--------------|------|
| 16.95     | 9.20 ng                      | 387695 | Perylene-d12     | 15.17        |      |
| Hit# of 5 | Tentative ID                 | MW     | MolForm          | CAS#         | Qual |
| 1         | .gamma.-Sitosterol           | 414    | C29H50O          | 000083-47-6  | 99   |
| 2         | .beta.-Sitosterol            | 414    | C29H50O          | 000083-46-5  | 99   |
| 3         | Stigmasterol, 22,23-dihydro- | 414    | C29H50O          | 1000214-20-7 | 87   |
| 4         | Campesterol                  | 400    | C28H48O          | 000474-62-4  | 47   |
| 5         | Isocholesteryl methyl ether  | 400    | C28H48O          | 029944-53-4  | 46   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

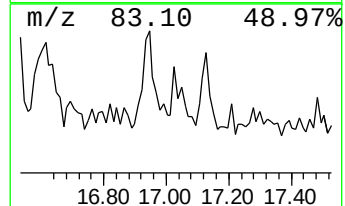
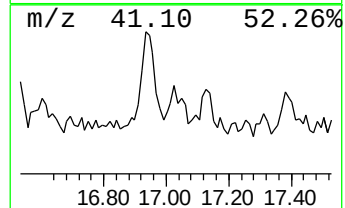
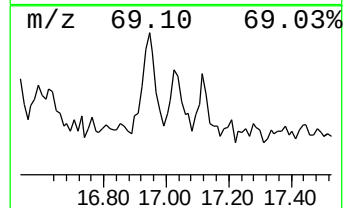
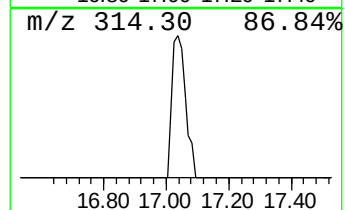
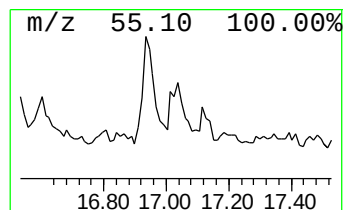
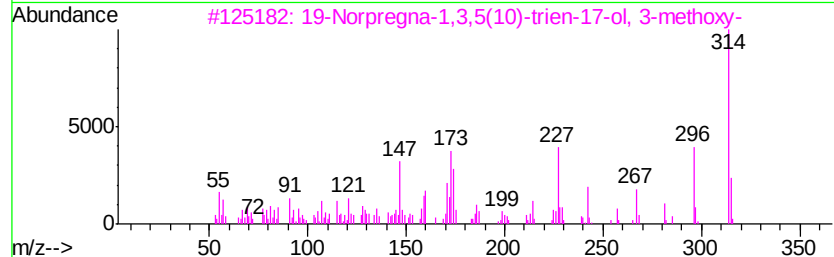
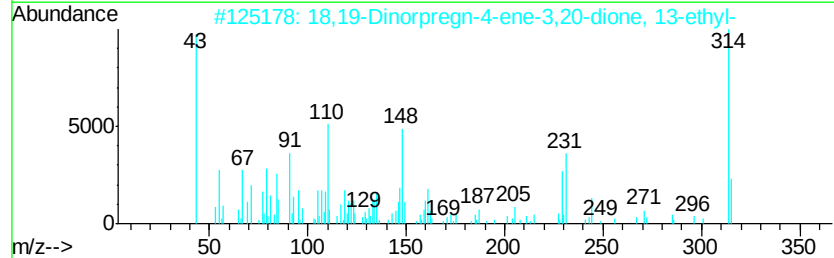
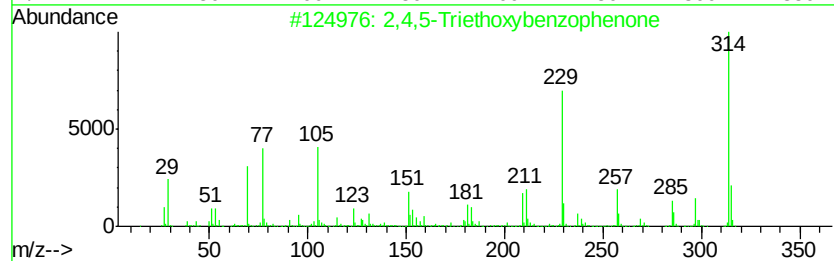
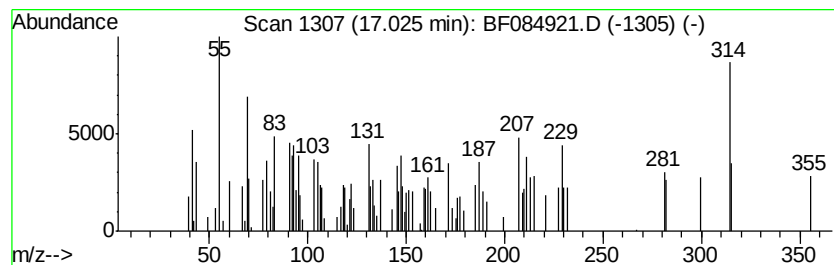
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 unknown17.03 Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.03 | 2.85 ng | 120058 | Perylene-d12     | 15.17 |

| Hit# | of                                    | 5 | Tentative ID | MW       | MolForm | CAS#         | Qual |
|------|---------------------------------------|---|--------------|----------|---------|--------------|------|
| 1    | 2,4,5-Triethoxybenzophenone           |   | 314          | C19H22O4 |         | 052199-46-9  | 35   |
| 2    | 18,19-Dinorpregn-4-ene-3,20-dione...  |   | 314          | C21H30O2 |         | 013934-52-6  | 16   |
| 3    | 19-Norpregna-1,3,5(10)-trien-17-ol... |   | 314          | C21H30O2 |         | 017550-02-6  | 14   |
| 4    | 6H-Benzofuro[3,2-c][1]benzopyran...   |   | 314          | C18H18O5 |         | 020390-12-9  | 14   |
| 5    | 6,10-Methano-19-norandrost-4-ene...   |   | 314          | C20H26O3 |         | 1000192-08-7 | 11   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\  
Data File : BF084921.D  
Acq On : 6 Feb 2016 19:35  
Operator : SJ/IZ  
Sample : H1348-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

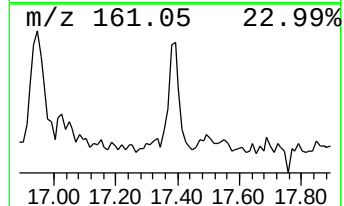
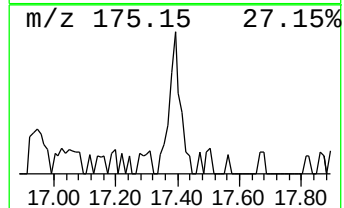
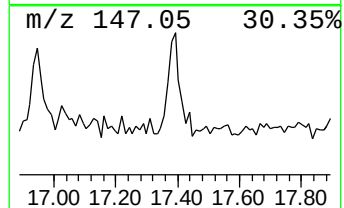
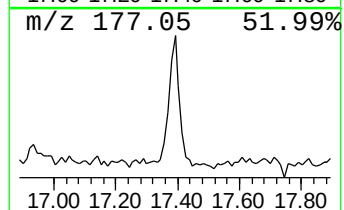
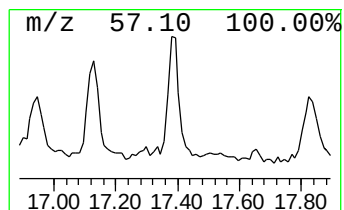
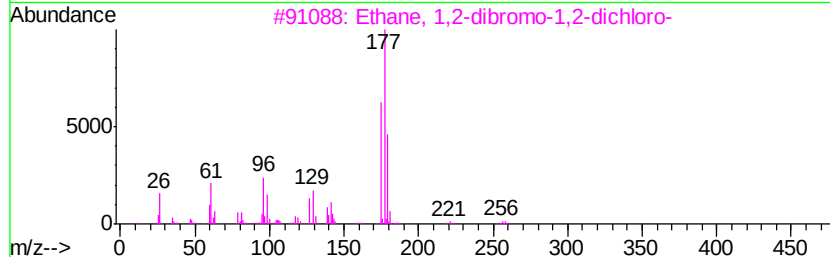
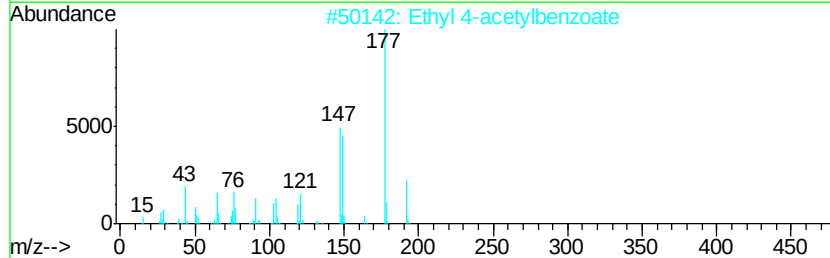
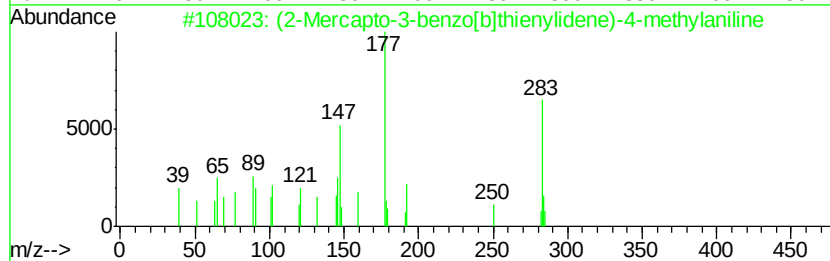
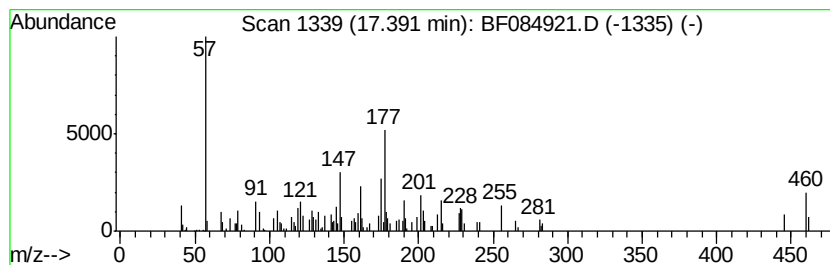
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 unknown17.39 Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.39 | 3.36 ng | 141494 | Perylene-d12     | 15.17 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|------------|--------------|------|
| 1    |    |   | (2-Mercapto-3-benzo[b]thienyl)ide... | 283 | C16H13NS2  | 092886-26-5  | 27   |
| 2    |    |   | Ethyl 4-acetylbenzoate               | 192 | C11H12O3   | 038430-55-6  | 16   |
| 3    |    |   | Ethane, 1,2-dibromo-1,2-dichloro-    | 254 | C2H2Br2Cl2 | 000683-68-1  | 16   |
| 4    |    |   | 2-[3-(1-Ethoxyethoxy)propyl][1,3...  | 250 | C11H22O2S2 | 076494-97-8  | 16   |
| 5    |    |   | Acethydrazide, N2-(3-trifluorome...  | 219 | C8H8F3N3O  | 1000269-79-1 | 10   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020616\  
 Data File : BF084921.D  
 Acq On : 6 Feb 2016 19:35  
 Operator : SJ/IZ  
 Sample : H1348-02  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OUTFALL-002

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 3-Penten-2-one, 4... | 4.08  | 4.1 ng  |       | 203895   | 1                     | 6.66  | 989151  | 20.0 |
| 2-Pentanone, 4-hy... | 4.80  | 21.7 ng |       | 1073020  | 1                     | 6.66  | 989151  | 20.0 |
| Hexadecane           | 10.14 | 3.9 ng  |       | 264220   | 3                     | 9.70  | 1345980 | 20.0 |
| Nonane, 5-butyl-     | 10.61 | 6.2 ng  |       | 350193   | 4                     | 11.17 | 1134000 | 20.0 |
| Tetradecanoic acid   | 11.73 | 3.0 ng  |       | 167225   | 4                     | 11.17 | 1134000 | 20.0 |
| Hexadecanoic acid... | 12.60 | 5.7 ng  |       | 256749   | 5                     | 13.80 | 904531  | 20.0 |
| Acetic acid, octa... | 12.67 | 3.8 ng  |       | 171286   | 5                     | 13.80 | 904531  | 20.0 |
| 9-Octadecenamide,... | 13.25 | 4.0 ng  |       | 183136   | 5                     | 13.80 | 904531  | 20.0 |
| Octadecanoic acid... | 13.30 | 3.2 ng  |       | 145639   | 5                     | 13.80 | 904531  | 20.0 |
| Tetradecanamide      | 13.33 | 3.4 ng  |       | 152996   | 5                     | 13.80 | 904531  | 20.0 |
| Trichloroacetic a... | 13.67 | 16.8 ng |       | 758249   | 5                     | 13.80 | 904531  | 20.0 |
| Eicosane             | 14.29 | 3.0 ng  |       | 133197   | 5                     | 13.80 | 904531  | 20.0 |
| Squalene             | 14.65 | 3.0 ng  |       | 126882   | 6                     | 15.17 | 843216  | 20.0 |
| Benzenepropanenit... | 16.01 | 7.8 ng  |       | 329224   | 6                     | 15.17 | 843216  | 20.0 |
| .gamma.-Sitosterol   | 16.95 | 9.2 ng  |       | 387695   | 6                     | 15.17 | 843216  | 20.0 |
| unknown17.03         | 17.03 | 2.9 ng  |       | 120058   | 6                     | 15.17 | 843216  | 20.0 |
| unknown17.39         | 17.39 | 3.4 ng  |       | 141494   | 6                     | 15.17 | 843216  | 20.0 |