

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\  
 Data File : BF092512.D  
 Acq On : 26 Jan 2017 9:02  
 Operator : SJ/MA  
 Sample : I1386-05  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHA-SB-01-9-11

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-BF012417.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         | 5.161       | 266           | 269         | 280          | rVB      | 1535841        | 2352611       | 42.54%          | 4.564%        |
| 2         | 5.573       | 301           | 305         | 307          | rBV      | 3991460        | 5530518       | 100.00%         | 10.729%       |
| 3         | 5.882       | 331           | 332         | 336          | rBV2     | 37832          | 79577         | 1.44%           | 0.154%        |
| 4         | 6.590       | 390           | 394         | 397          | rBV      | 3998624        | 5156700       | 93.24%          | 10.004%       |
| 5         | 6.739       | 403           | 407         | 409          | rBV      | 3702380        | 5289827       | 95.65%          | 10.262%       |
| 6         | 6.967       | 424           | 427         | 429          | rBV      | 1050400        | 986078        | 17.83%          | 1.913%        |
| 7         | 7.127       | 438           | 441         | 443          | rBV      | 3613915        | 4036893       | 72.99%          | 7.832%        |
| 8         | 7.299       | 453           | 456         | 459          | rBV      | 46301          | 65842         | 1.19%           | 0.128%        |
| 9         | 7.527       | 473           | 476         | 479          | rBV      | 2347442        | 3520770       | 63.66%          | 6.830%        |
| 10        | 8.259       | 537           | 540         | 542          | rBV      | 1439248        | 1357754       | 24.55%          | 2.634%        |
| 11        | 9.345       | 631           | 635         | 637          | rBV      | 4816837        | 4975239       | 89.96%          | 9.652%        |
| 12        | 9.733       | 667           | 669         | 671          | rVB      | 259170         | 228865        | 4.14%           | 0.444%        |
| 13        | 9.779       | 671           | 673         | 674          | rVB      | 63911          | 66628         | 1.20%           | 0.129%        |
| 14        | 9.882       | 680           | 682         | 684          | rBV      | 282762         | 236389        | 4.27%           | 0.459%        |
| 15        | 10.031      | 692           | 695         | 697          | rVB2     | 1447574        | 2075993       | 37.54%          | 4.027%        |
| 16        | 10.453      | 729           | 732         | 736          | rBV      | 125789         | 138678        | 2.51%           | 0.269%        |
| 17        | 10.671      | 749           | 751         | 755          | rBV      | 33852          | 68603         | 1.24%           | 0.133%        |
| 18        | 10.808      | 760           | 763         | 766          | rBV      | 2011066        | 3021714       | 54.64%          | 5.862%        |
| 19        | 10.933      | 772           | 774         | 778          | rVB      | 126237         | 188325        | 3.41%           | 0.365%        |
| 20        | 11.379      | 811           | 813         | 814          | rBV      | 111711         | 98737         | 1.79%           | 0.192%        |
| 21        | 11.505      | 822           | 824         | 828          | rBV      | 1257937        | 1481938       | 26.80%          | 2.875%        |
| 22        | 11.836      | 851           | 853         | 855          | rVB      | 108354         | 126792        | 2.29%           | 0.246%        |
| 23        | 12.042      | 869           | 871         | 873          | rBV      | 70137          | 106154        | 1.92%           | 0.206%        |
| 24        | 12.568      | 914           | 917         | 919          | rVV      | 199716         | 260551        | 4.71%           | 0.505%        |
| 25        | 12.637      | 921           | 923         | 925          | rVV      | 252299         | 354745        | 6.41%           | 0.688%        |
| 26        | 12.717      | 928           | 930         | 933          | rVV      | 233918         | 216657        | 3.92%           | 0.420%        |
| 27        | 12.945      | 945           | 950         | 952          | rBV      | 173117         | 236142        | 4.27%           | 0.458%        |
| 28        | 13.105      | 961           | 964         | 966          | rVB      | 3573626        | 4473626       | 80.89%          | 8.679%        |
| 29        | 13.654      | 1009          | 1012        | 1019         | rBV3     | 22509          | 56375         | 1.02%           | 0.109%        |
| 30        | 13.997      | 1039          | 1042        | 1047         | rBV      | 264913         | 401515        | 7.26%           | 0.779%        |
| 31        | 14.145      | 1052          | 1055        | 1061         | rVV      | 1235380        | 1312104       | 23.72%          | 2.546%        |
| 32        | 14.625      | 1090          | 1097        | 1103         | rBV6     | 151926         | 872675        | 15.78%          | 1.693%        |
| 33        | 14.797      | 1110          | 1112        | 1114         | rVB      | 53082          | 59457         | 1.08%           | 0.115%        |
| 34        | 14.911      | 1120          | 1122        | 1126         | rBV      | 155377         | 211344        | 3.82%           | 0.410%        |

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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
CHA-SB-01-9-11

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-BF012417.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 15.014 | 1129 | 1131 | 1136 | rVB2 | 56542  | 93576  | 1.69%  | 0.182% |
| 36 | 15.128 | 1139 | 1141 | 1144 | rBV  | 170402 | 266758 | 4.82%  | 0.518% |
| 37 | 15.208 | 1144 | 1148 | 1152 | rBV2 | 73755  | 279342 | 5.05%  | 0.542% |
| 38 | 15.551 | 1175 | 1178 | 1181 | rVB2 | 45512  | 81899  | 1.48%  | 0.159% |
| 39 | 15.620 | 1181 | 1184 | 1187 | rBV  | 698676 | 913443 | 16.52% | 1.772% |
| 40 | 16.168 | 1229 | 1232 | 1239 | rVB4 | 42972  | 100155 | 1.81%  | 0.194% |
| 41 | 17.037 | 1304 | 1308 | 1310 | rBV  | 38651  | 78978  | 1.43%  | 0.153% |
| 42 | 17.711 | 1364 | 1367 | 1373 | rVB5 | 35190  | 85644  | 1.55%  | 0.166% |

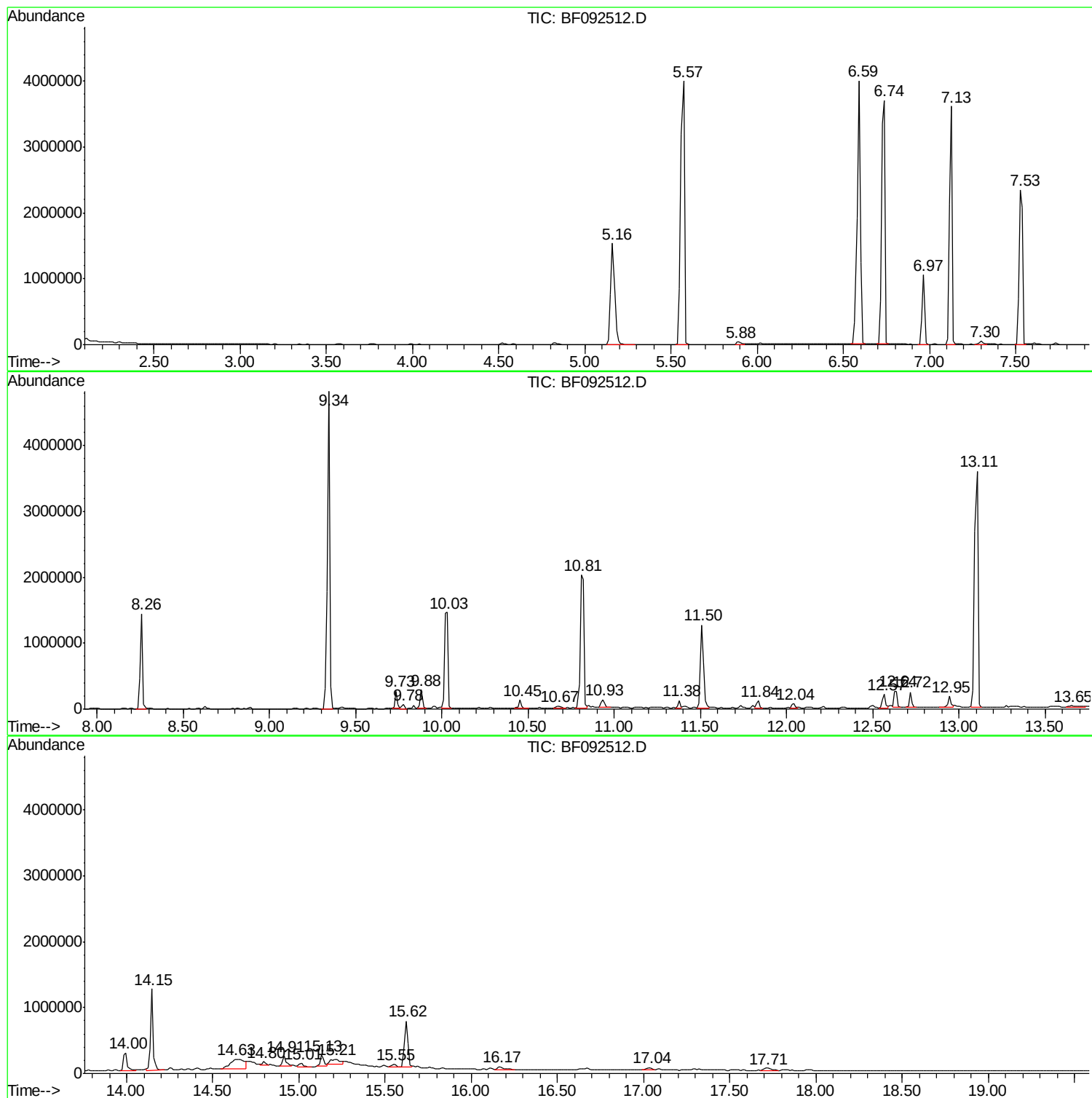
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Sample : I1386-05  
Misc :  
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Instrument :  
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CHA-SB-01-9-11

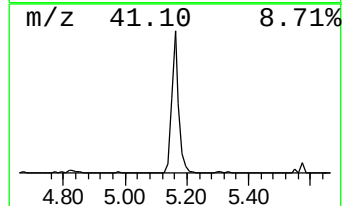
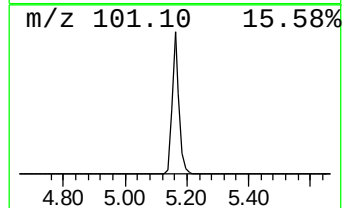
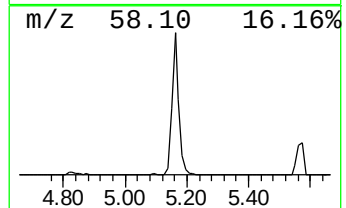
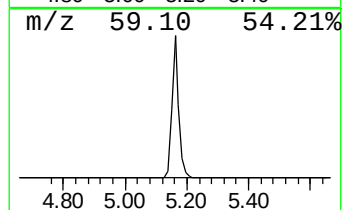
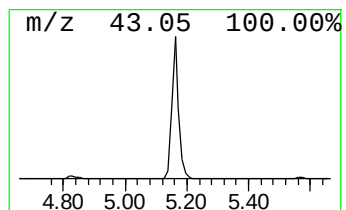
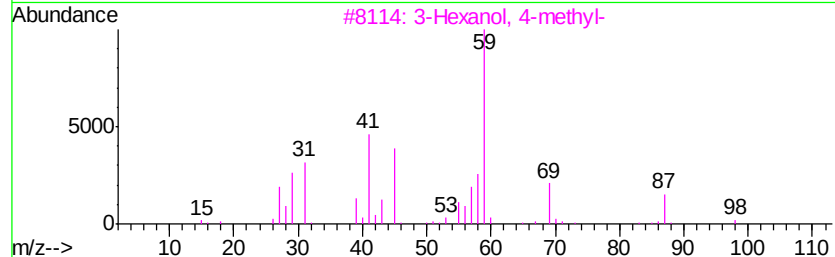
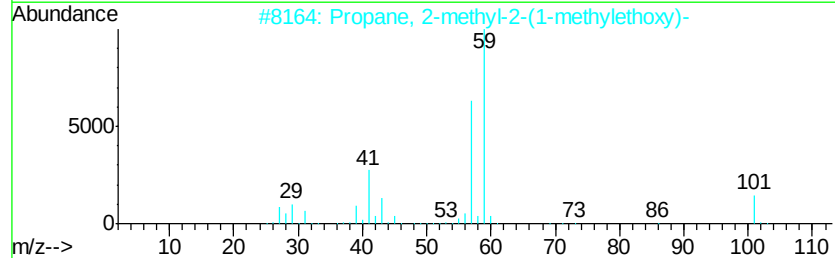
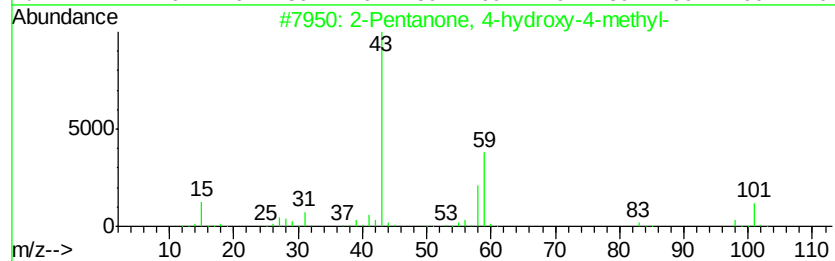
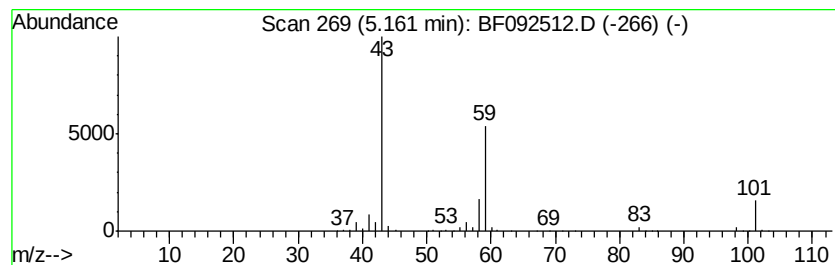
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.16 | 47.72 ng | 2352610 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 42   |
| 3    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 33   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32   |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

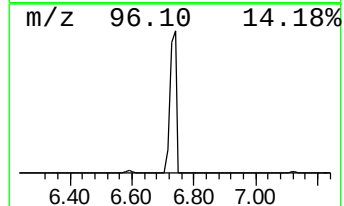
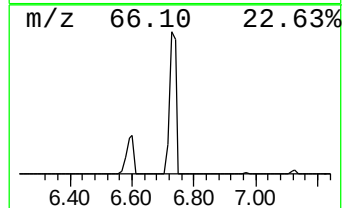
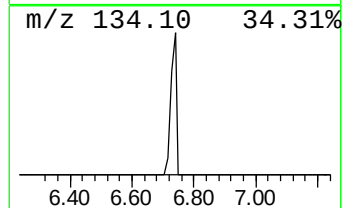
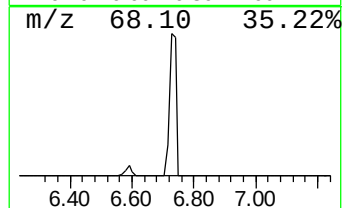
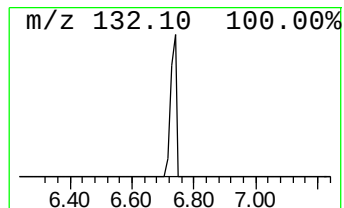
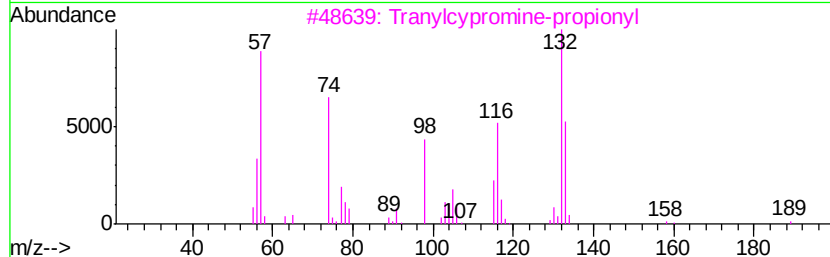
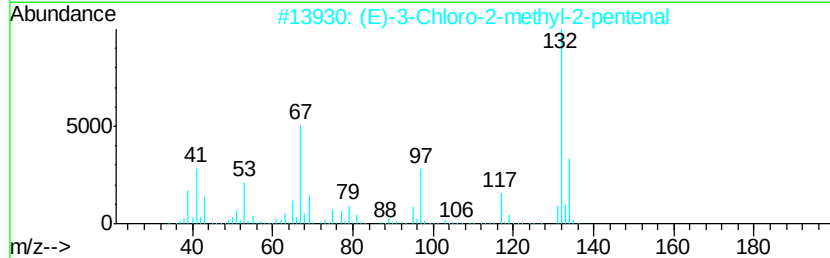
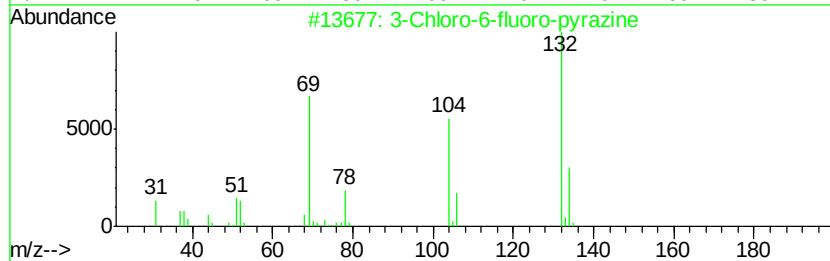
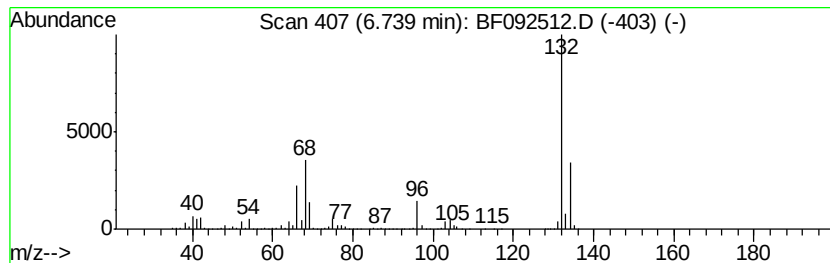
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.74 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.74 | 107.29 ng | 5289830 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 16   |
| 4    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 16   |
| 5    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |



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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

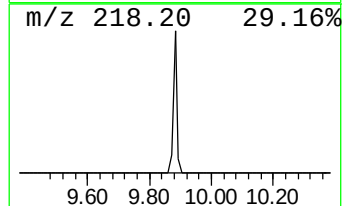
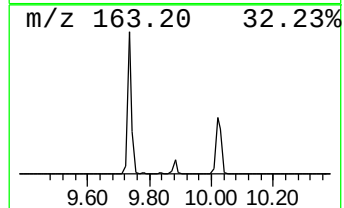
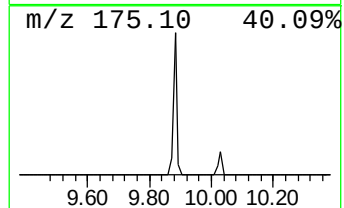
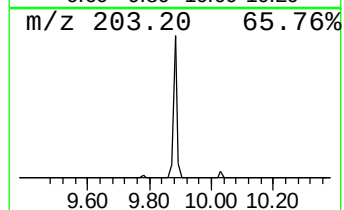
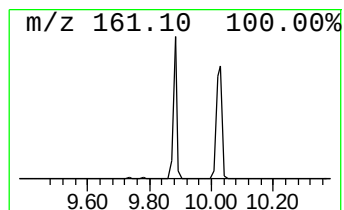
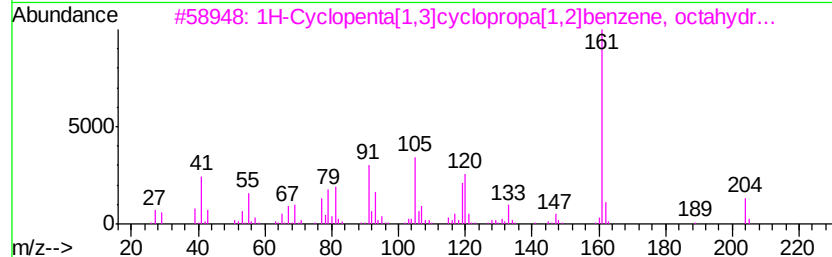
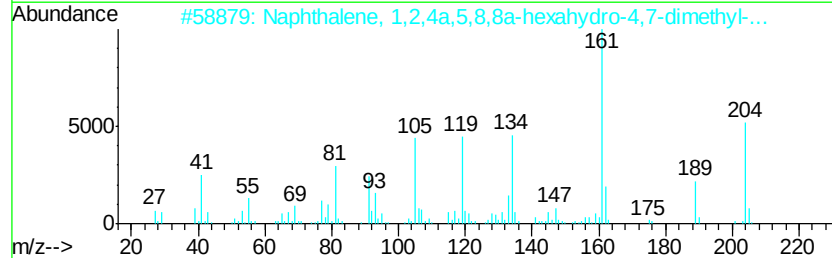
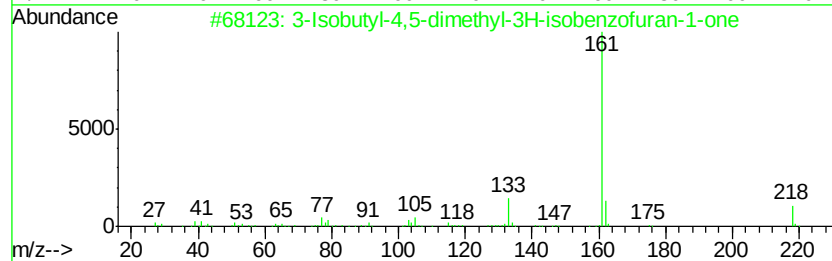
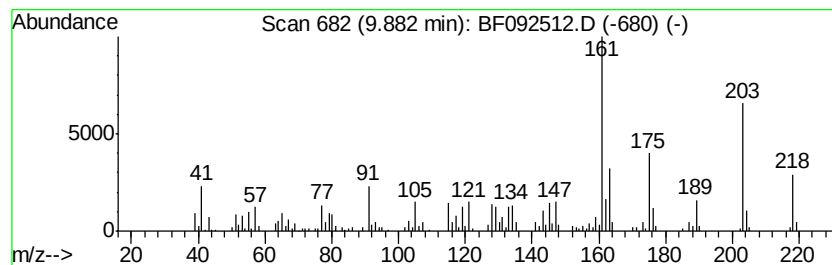
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown9.88 Concentration Rank 12

| R.T. | EstConc | Area   | Relative to ISTD | R.T.  |
|------|---------|--------|------------------|-------|
| 9.88 | 2.28 ng | 236389 | Acenaphthene-d10 | 10.02 |

| Hit# | of | Tentative ID                          | MW  | MolForm  | CAS#         | Qual |
|------|----|---------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 3-Isobutyl-4,5-dimethyl-3H-isobe...   | 218 | C14H18O2 | 1000187-23-3 | 46   |
| 2    |    | Naphthalene, 1,2,4a,5,8,8a-hexah...   | 204 | C15H24   | 000523-47-7  | 46   |
| 3    |    | 1H-Cyclopenta[1,3]cyclopropa[1,2...   | 204 | C15H24   | 013744-15-5  | 38   |
| 4    |    | 1H-Cyclopropa[1,2]naphthalene, 1a,... | 204 | C15H24   | 017334-55-3  | 38   |
| 5    |    | Naphthalene, 1,2,3,4,4a,5,6,8a-o...   | 204 | C15H24   | 039029-41-9  | 38   |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
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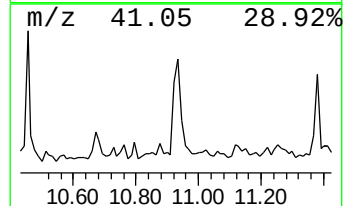
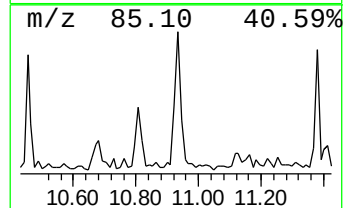
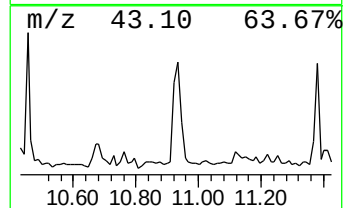
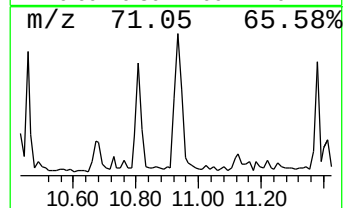
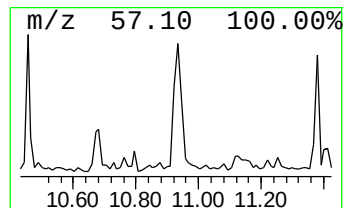
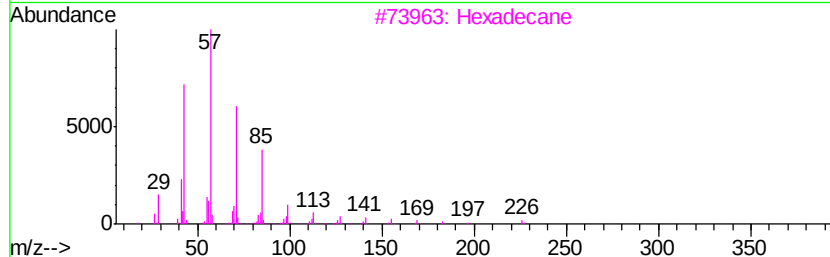
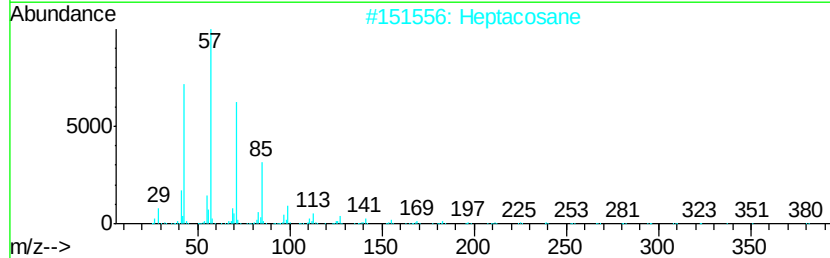
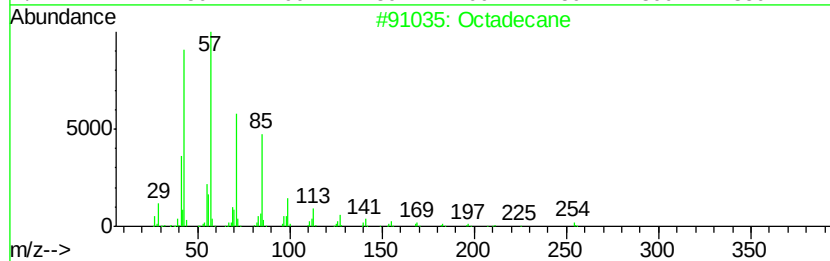
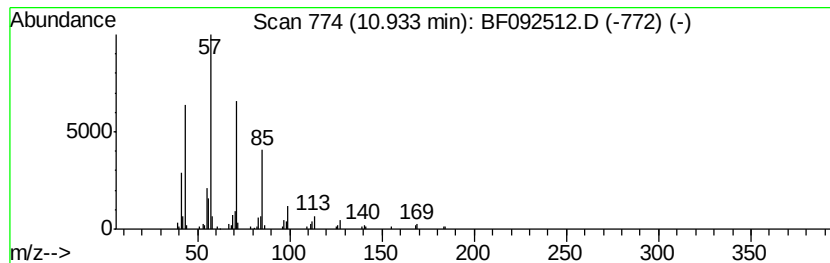
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octadecane Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.93 | 2.54 ng | 188325 | Phenanthrene-d10 | 11.50 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------------------|--------------|-----|---------|-------------|------|
| 1       | Octadecane                          |              | 254 | C18H38  | 000593-45-3 | 91   |
| 2       | Heptacosane                         |              | 380 | C27H56  | 000593-49-7 | 91   |
| 3       | Hexadecane                          |              | 226 | C16H34  | 000544-76-3 | 90   |
| 4       | Heptadecane, 2,6,10,15-tetramethyl- |              | 296 | C21H44  | 054833-48-6 | 90   |
| 5       | Tetradecane                         |              | 198 | C14H30  | 000629-59-4 | 90   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\  
Data File : BF092512.D  
Acq On : 26 Jan 2017 9:02  
Operator : SJ/MA  
Sample : I1386-05  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-SB-01-9-11

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

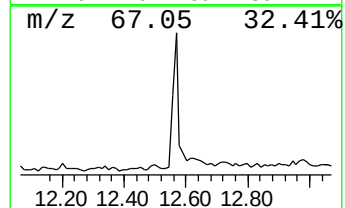
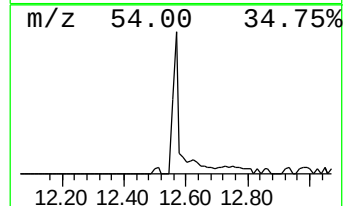
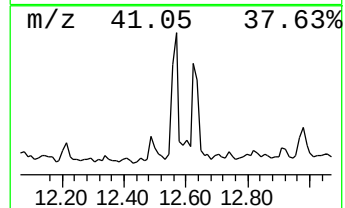
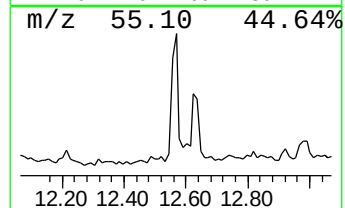
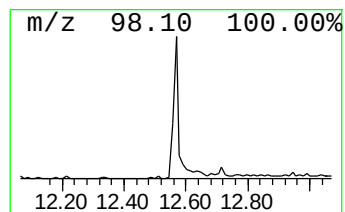
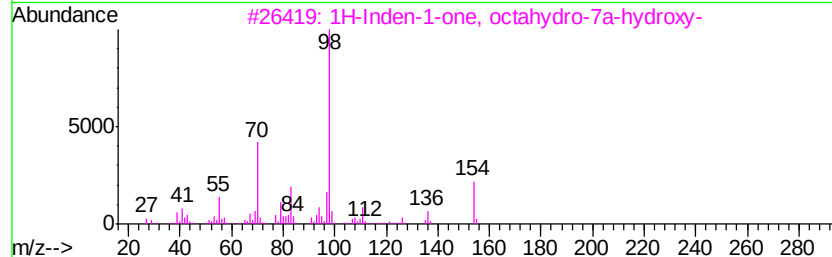
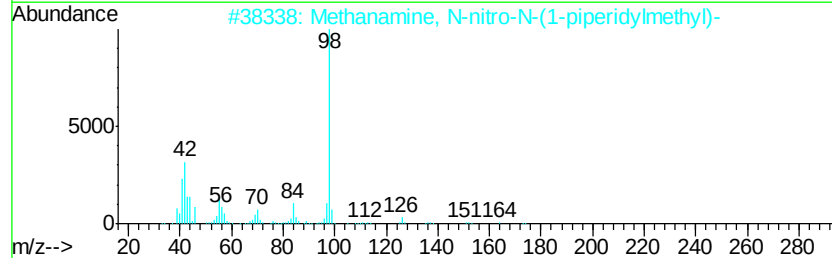
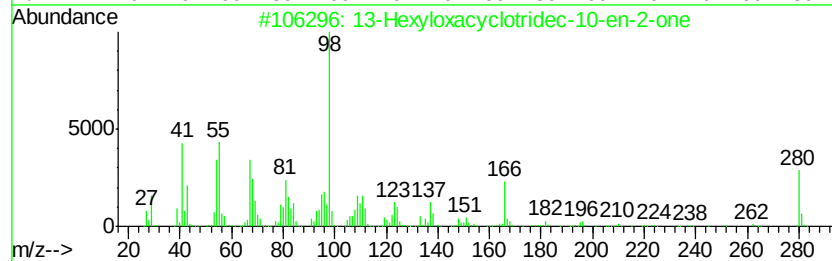
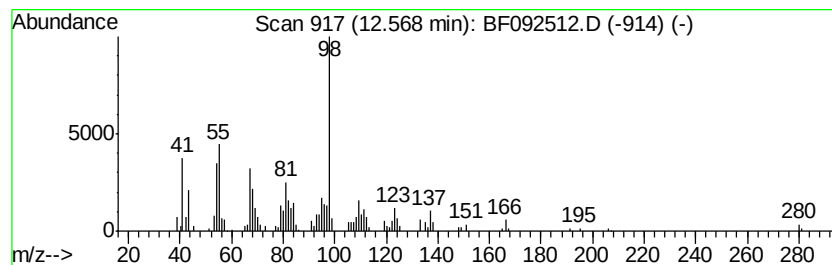
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 13-Hexyloxacyclotridec-10-e... Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.57 | 3.52 ng | 260551 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 13-Hexyloxacyclotridec-10-en-2-one  | 280 | C18H32O2  | 127062-51-5  | 91   |
| 2    |    | Methanamine, N-nitro-N-(1-piperi... | 173 | C7H15N3O2 | 049615-05-6  | 47   |
| 3    |    | 1H-Inden-1-one, octahydro-7a-hyd... | 154 | C9H14O2   | 010421-80-4  | 47   |
| 4    |    | 3H-Pyrazol-3-one, 2,4-dihydro-5-... | 98  | C4H6N2O   | 000108-26-9  | 43   |
| 5    |    | 1-(3,3,3-Trifluoro-2-hydroxyprop... | 197 | C8H14F3NO | 1000283-75-5 | 43   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012617\  
Data File : BF092512.D  
Acq On : 26 Jan 2017 9:02  
Operator : SJ/MA  
Sample : I1386-05  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-SB-01-9-11

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

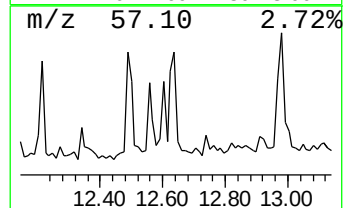
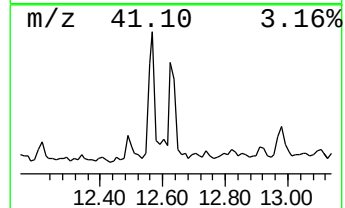
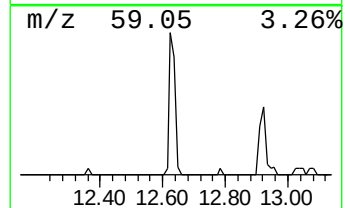
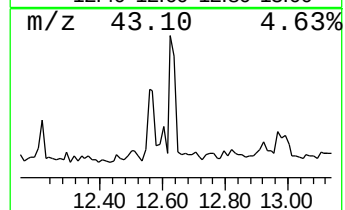
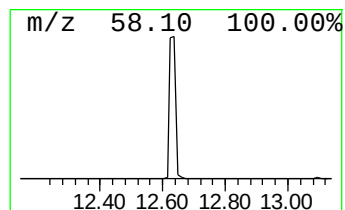
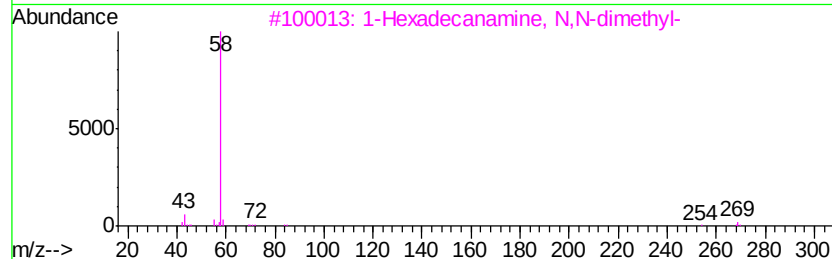
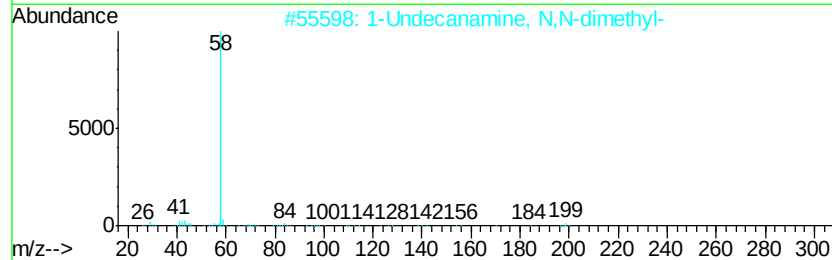
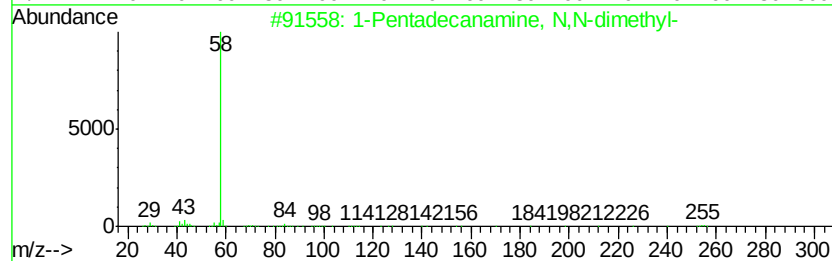
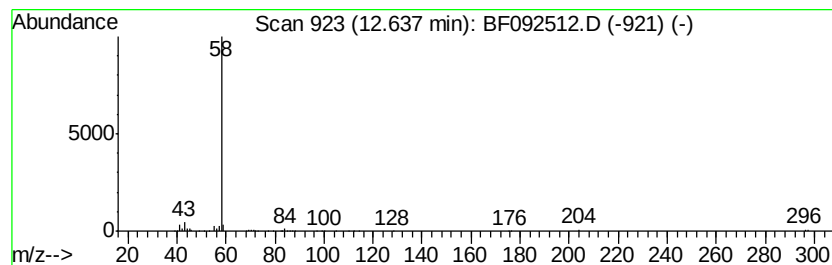
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 1-Pentadecanamine, N,N-dime... Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.64 | 4.79 ng | 354745 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Pentadecanamine, N,N-dimethyl- | 255 | C17H37N | 017678-60-3 | 72   |
| 2    |    | 1-Undecanamine, N,N-dimethyl-    | 199 | C13H29N | 017373-28-3 | 72   |
| 3    |    | 1-Hexadecanamine, N,N-dimethyl-  | 269 | C18H39N | 000112-69-6 | 72   |
| 4    |    | 1-Nonadecanamine, N,N-dimethyl-  | 311 | C21H45N | 049859-87-2 | 72   |
| 5    |    | 1-Heptadecanamine, N,N-dimethyl- | 283 | C19H41N | 003002-57-1 | 72   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\  
Data File : BF092512.D  
Acq On : 26 Jan 2017 9:02  
Operator : SJ/MA  
Sample : I1386-05  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

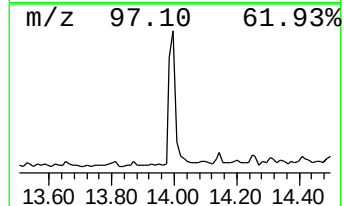
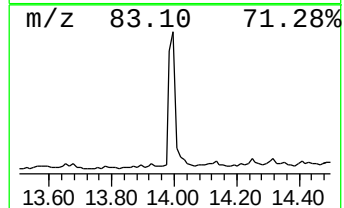
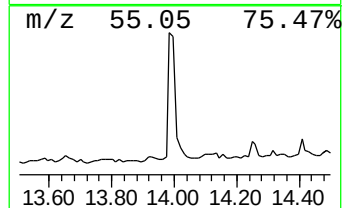
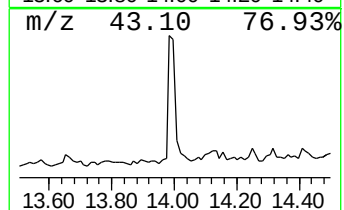
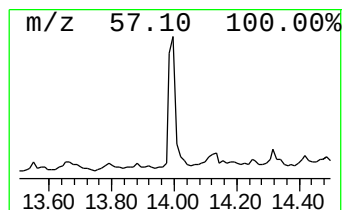
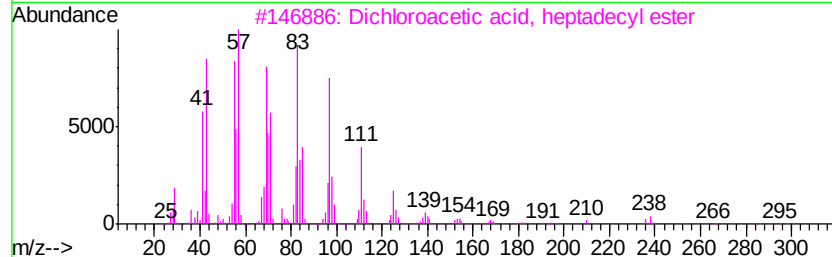
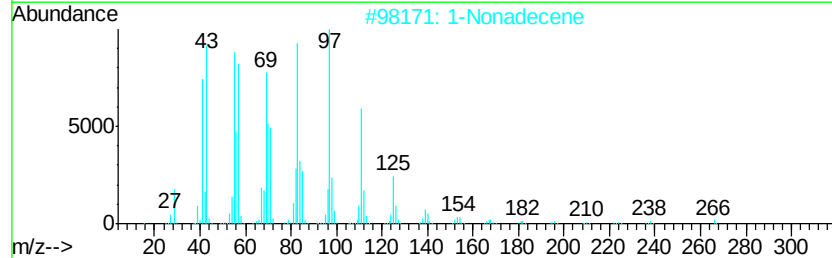
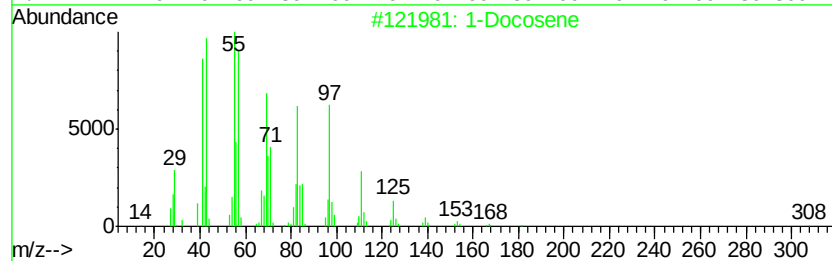
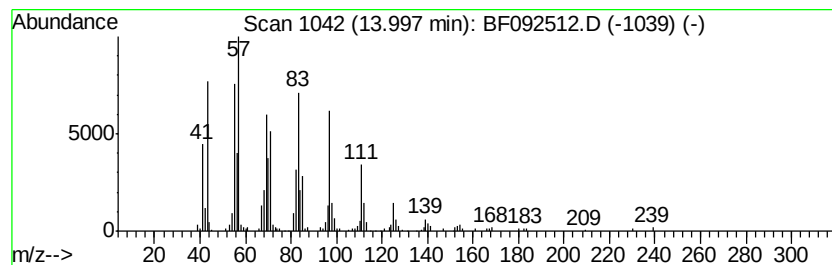
Instrument :  
BNA\_F  
ClientSampleId :  
CHA-SB-01-9-11

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 1-Docosene Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 14.00     | 6.12 ng                             | 401515 | Chrysene-d12     | 14.15        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 1-Docosene                          | 308    | C22H44           | 001599-67-3  | 91   |
| 2         | 1-Nonadecene                        | 266    | C19H38           | 018435-45-5  | 91   |
| 3         | Dichloroacetic acid, heptadecyl ... | 366    | C19H36Cl2O2      | 1000282-98-2 | 91   |
| 4         | Pentafluoropropionic acid, hepta... | 402    | C20H35F5O2       | 1000283-04-2 | 91   |
| 5         | Trichloroacetic acid, hexadecyl ... | 386    | C18H33Cl3O2      | 074339-54-1  | 91   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\  
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Acq On : 26 Jan 2017 9:02  
Operator : SJ/MA  
Sample : I1386-05  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

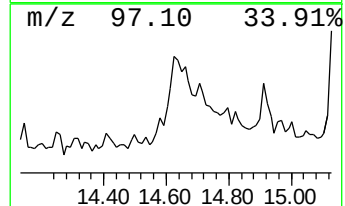
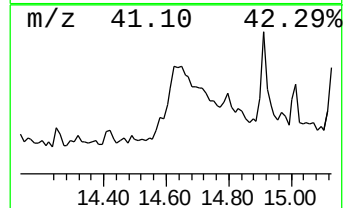
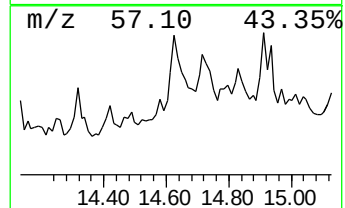
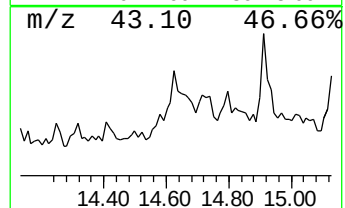
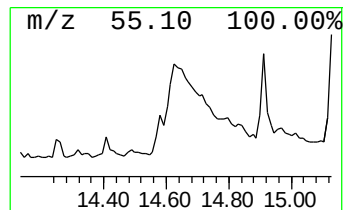
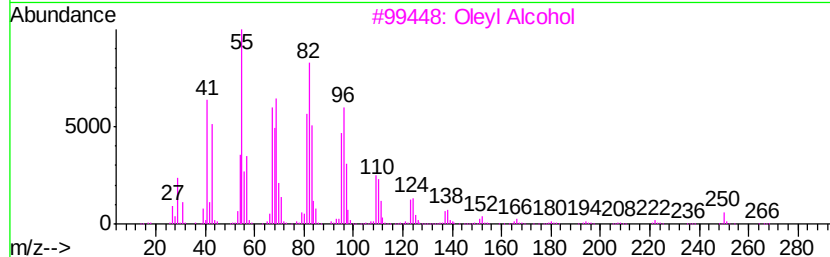
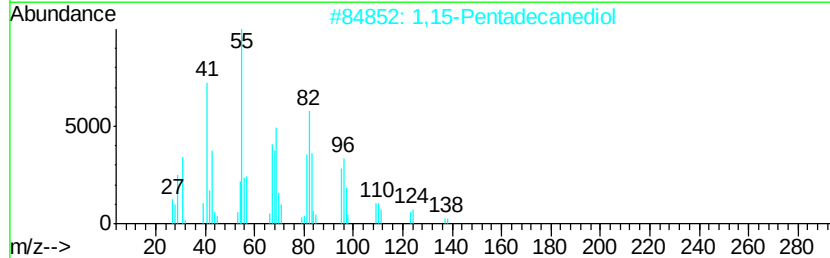
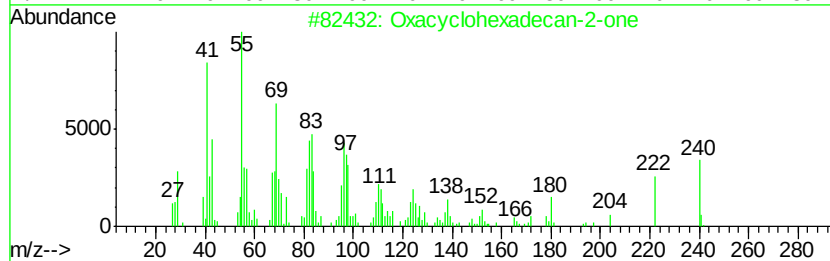
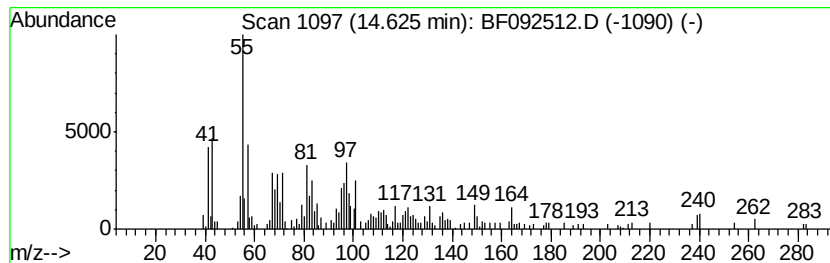
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ClientSampleId :  
CHA-SB-01-9-11

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 unknown14.63 Concentration Rank 4

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 14.63     | 13.30 ng                            | 872675 | Chrysene-d12     | 14.15       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Oxacyclohexadecan-2-one             | 240    | C15H28O2         | 000106-02-5 | 38   |
| 2         | 1,15-Pentadecanediol                | 244    | C15H32O2         | 014722-40-8 | 30   |
| 3         | Olevl Alcohol                       | 268    | C18H36O          | 000143-28-2 | 27   |
| 4         | 1,6-Octadiene, 5,7-dimethyl-, (R)-  | 138    | C10H18           | 085006-04-8 | 25   |
| 5         | Cyclohexanemethanol, 4-methyl-, ... | 128    | C8H16O           | 003937-49-3 | 22   |



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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
CHA-SB-01-9-11

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

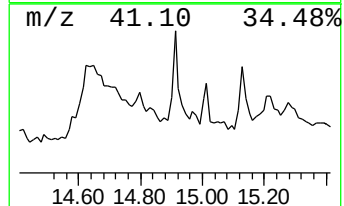
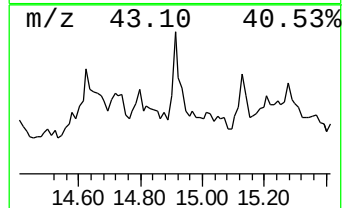
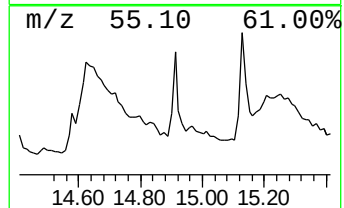
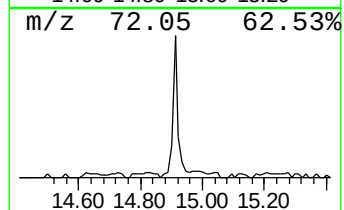
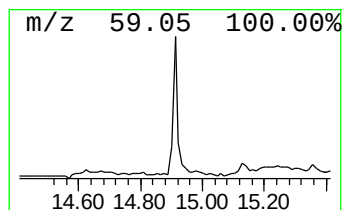
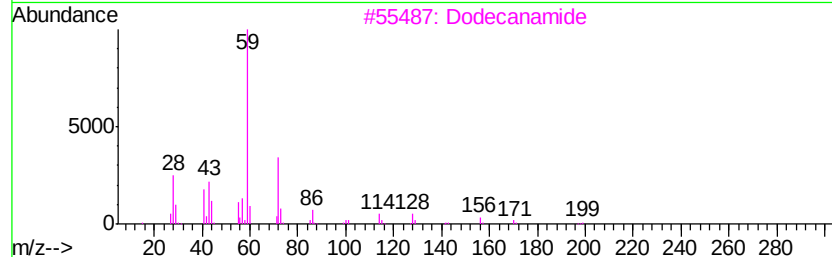
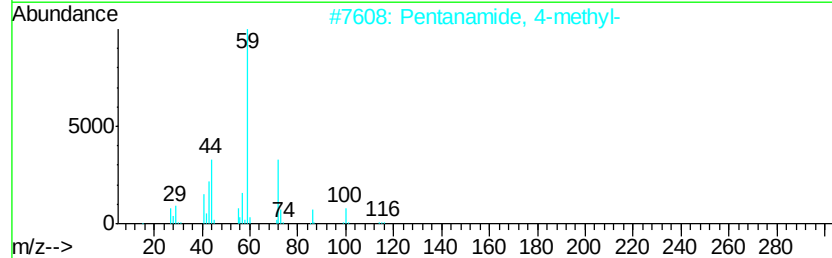
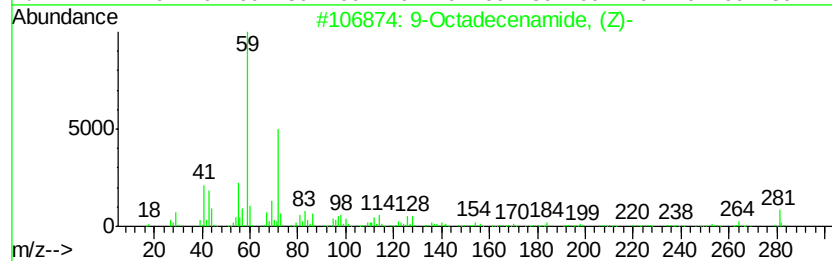
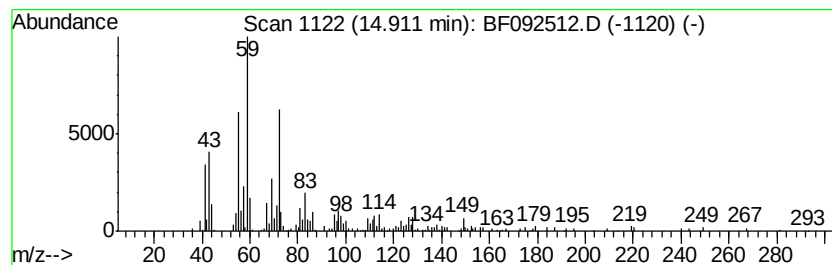
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TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.91 | 4.63 ng | 211344 | Perylene-d12     | 15.62 |

| Hit# | of | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------|-----|----------|-------------|------|
| 1    | 5  | 9-Octadecenamide, (Z)-         | 281 | C18H35NO | 000301-02-0 | 80   |
| 2    |    | Pentanamide, 4-methyl-         | 115 | C6H13NO  | 001119-29-5 | 59   |
| 3    |    | Dodecanamide                   | 199 | C12H25NO | 001120-16-7 | 59   |
| 4    |    | Heptanamide, 4-ethyl-5-methyl- | 171 | C10H21NO | 054789-40-1 | 59   |
| 5    |    | Nonanamide                     | 157 | C9H19NO  | 001120-07-6 | 50   |



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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-SB-01-9-11

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

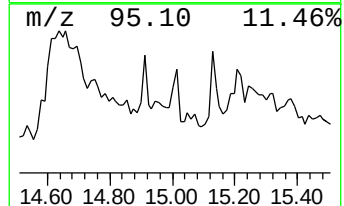
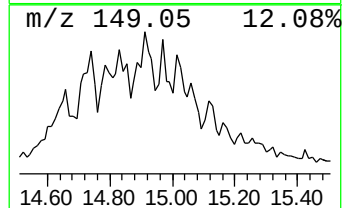
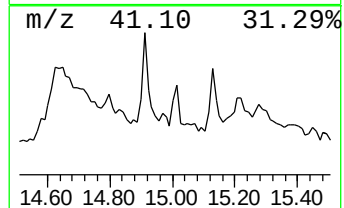
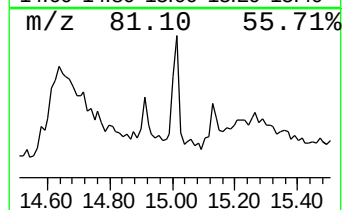
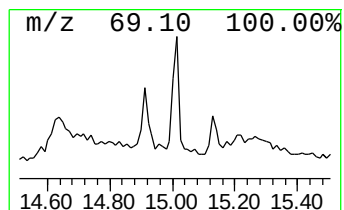
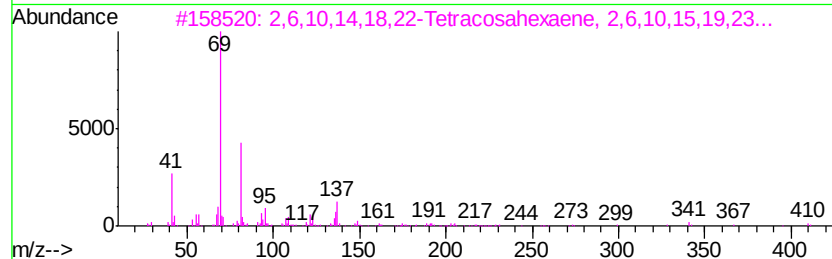
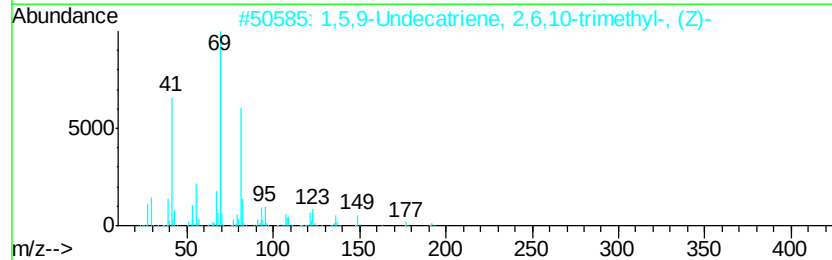
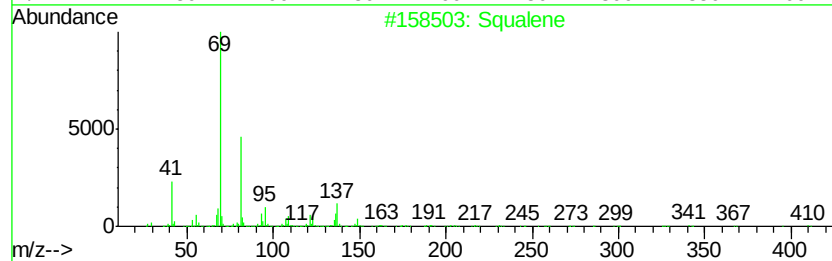
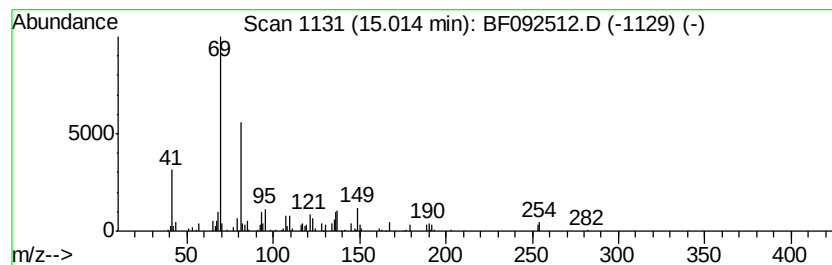
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Squalene Concentration Rank 14

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.01 | 2.05 ng | 93576 | Perylene-d12     | 15.62 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 007683-64-9 | 72   |
| 2    |    | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24  | 062951-96-6 | 68   |
| 3    |    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4 | 64   |
| 4    |    | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 222 | C15H26O | 004602-84-0 | 53   |
| 5    |    | 4,8,12-Tetradecatrienenitrile, 5... | 245 | C17H27N | 005981-31-7 | 53   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012617\  
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Sample : I1386-05  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-SB-01-9-11

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

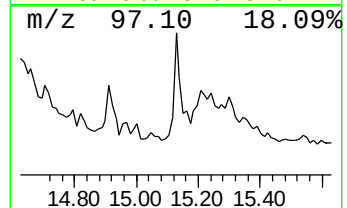
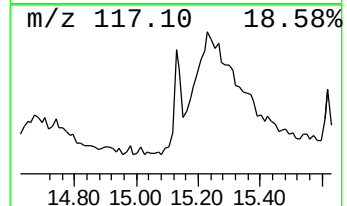
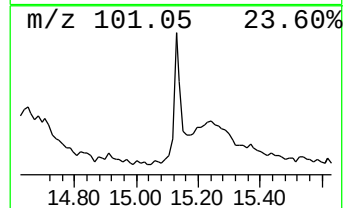
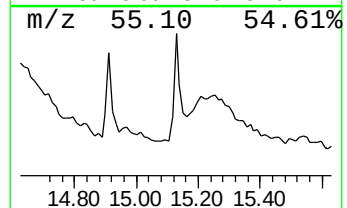
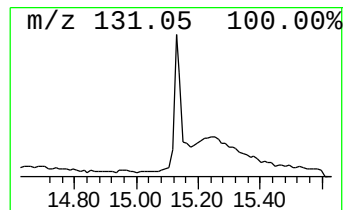
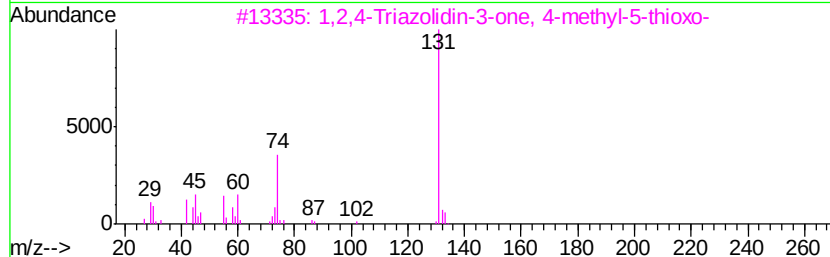
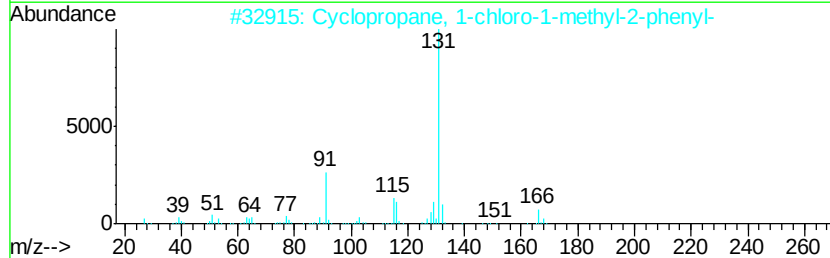
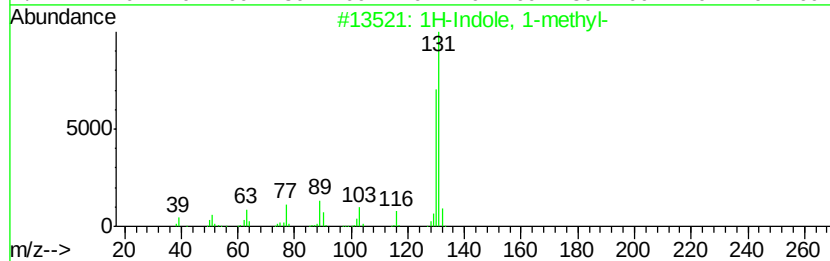
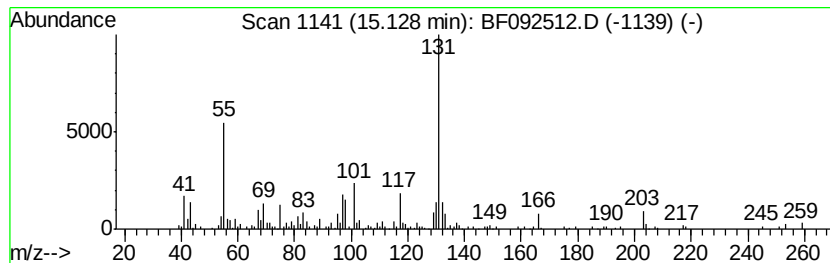
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 unknown15.13 Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.13 | 5.84 ng | 266758 | Perylene-d12     | 15.62 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 1H-Indole, 1-methyl-                | 131 | C9H9N      | 000603-76-9  | 43   |
| 2    |    |   | Cyclopropane, 1-chloro-1-methyl-... | 166 | C10H11Cl   | 1000161-07-9 | 43   |
| 3    |    |   | 1,2,4-Triazolidin-3-one, 4-methv... | 131 | C3H5N3OS   | 022244-61-7  | 43   |
| 4    |    |   | Silane, [1-(5-ethenvltetrahydro-... | 242 | C13H26O2Si | 057397-14-5  | 43   |
| 5    |    |   | Benzene, 1-(chloromethyl)-4-(2-p... | 166 | C10H11Cl   | 036875-10-2  | 38   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\  
Data File : BF092512.D  
Acq On : 26 Jan 2017 9:02  
Operator : SJ/MA  
Sample : I1386-05  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-SB-01-9-11

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

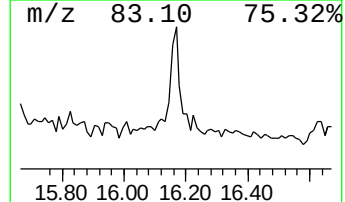
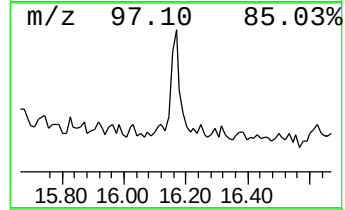
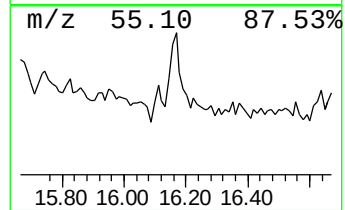
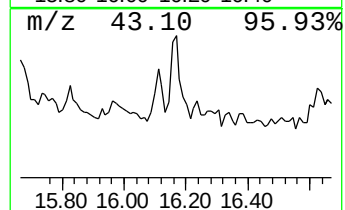
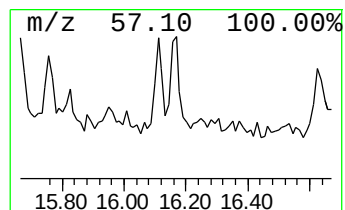
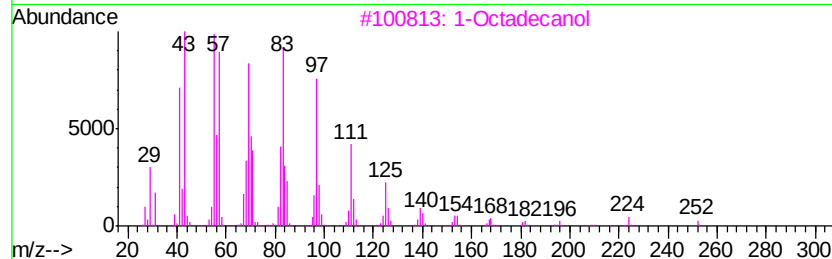
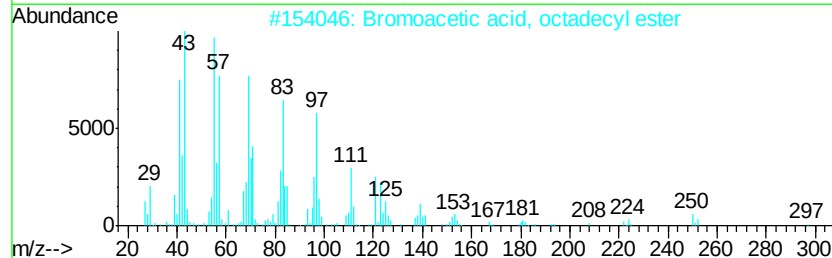
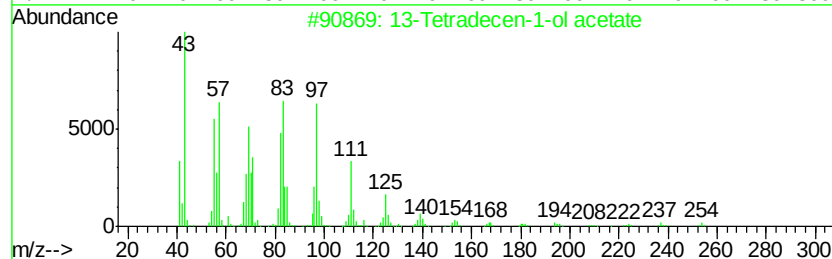
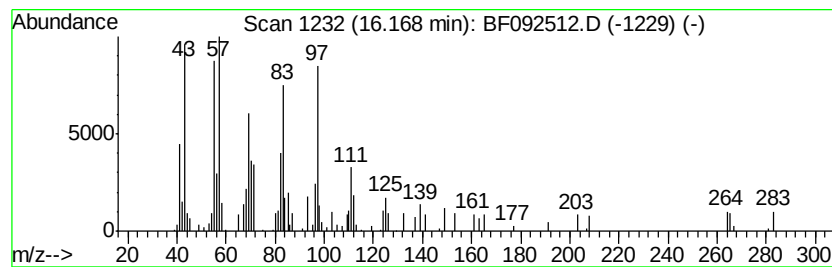
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 13-Tetradecen-1-ol acetate Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.17 | 2.19 ng | 100155 | Perylene-d12     | 15.62 |

| Hit# | of | Tentative ID                      | MW  | MolForm    | CAS#        | Qual |
|------|----|-----------------------------------|-----|------------|-------------|------|
| 1    | 5  | 13-Tetradecen-1-ol acetate        | 254 | C16H30O2   | 056221-91-1 | 58   |
| 2    |    | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 58   |
| 3    |    | 1-Octadecanol                     | 270 | C18H38O    | 000112-92-5 | 49   |
| 4    |    | Acetic acid, octadecyl ester      | 312 | C20H40O2   | 000822-23-1 | 43   |
| 5    |    | 1-Nonadecene                      | 266 | C19H38     | 018435-45-5 | 41   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012617\  
 Data File : BF092512.D  
 Acq On : 26 Jan 2017 9:02  
 Operator : SJ/MA  
 Sample : I1386-05  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHA-SB-01-9-11

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.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 |
| 2-Pentanone, 4-hy...  | 5.16  | 47.7    | ng    | 2352610  | 1                     | 6.97  | 986078  | 20.0 |
| unknown6.74           | 6.74  | 107.3   | ng    | 5289830  | 1                     | 6.97  | 986078  | 20.0 |
| unknown9.88           | 9.88  | 2.3     | ng    | 236389   | 3                     | 10.02 | 2075990 | 20.0 |
| Octadecane            | 10.93 | 2.5     | ng    | 188325   | 4                     | 11.50 | 1481940 | 20.0 |
| 13-Hexyloxacyclot...  | 12.57 | 3.5     | ng    | 260551   | 4                     | 11.50 | 1481940 | 20.0 |
| 1-Pentadecanamine...  | 12.64 | 4.8     | ng    | 354745   | 4                     | 11.50 | 1481940 | 20.0 |
| 1-Docosene            | 14.00 | 6.1     | ng    | 401515   | 5                     | 14.15 | 1312100 | 20.0 |
| unknown14.63          | 14.63 | 13.3    | ng    | 872675   | 5                     | 14.15 | 1312100 | 20.0 |
| 9-Octadecenamide, ... | 14.91 | 4.6     | ng    | 211344   | 6                     | 15.62 | 913443  | 20.0 |
| Squalene              | 15.01 | 2.0     | ng    | 93576    | 6                     | 15.62 | 913443  | 20.0 |
| unknown15.13          | 15.13 | 5.8     | ng    | 266758   | 6                     | 15.62 | 913443  | 20.0 |
| 13-Tetradecen-1-o...  | 16.17 | 2.2     | ng    | 100155   | 6                     | 15.62 | 913443  | 20.0 |