

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021016\  
 Data File : BF084985.D  
 Acq On : 10 Feb 2016 11:26  
 Operator : SJ/IZ  
 Sample : H1329-16  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B010(20-22)

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         | 1.632       | 3             | 4           | 10           | rVV      | 256007         | 359465        | 6.23%           | 0.606%        |
| 2         | 1.747       | 10            | 14          | 34           | rVB2     | 1151086        | 2873519       | 49.83%          | 4.845%        |
| 3         | 4.764       | 275           | 278         | 293          | rVB      | 766410         | 1570957       | 27.24%          | 2.649%        |
| 4         | 5.221       | 315           | 318         | 320          | rBV      | 4595209        | 5766718       | 100.00%         | 9.722%        |
| 5         | 6.284       | 408           | 411         | 413          | rBV      | 4660399        | 5650725       | 97.99%          | 9.527%        |
| 6         | 6.399       | 418           | 421         | 423          | rBV      | 4378291        | 5732284       | 99.40%          | 9.664%        |
| 7         | 6.616       | 438           | 440         | 442          | rBV      | 891372         | 1021557       | 17.71%          | 1.722%        |
| 8         | 6.776       | 451           | 454         | 457          | rBV      | 3703281        | 3612291       | 62.64%          | 6.090%        |
| 9         | 7.199       | 487           | 491         | 493          | rBV      | 3143234        | 3764648       | 65.28%          | 6.347%        |
| 10        | 7.324       | 498           | 502         | 504          | rVV2     | 87021          | 150988        | 2.62%           | 0.255%        |
| 11        | 7.667       | 529           | 532         | 534          | rBV      | 61036          | 65951         | 1.14%           | 0.111%        |
| 12        | 7.907       | 550           | 553         | 555          | rBV      | 1632496        | 1477769       | 25.63%          | 2.491%        |
| 13        | 8.993       | 645           | 648         | 650          | rBV      | 5238577        | 5527979       | 95.86%          | 9.320%        |
| 14        | 9.393       | 680           | 683         | 685          | rBV      | 1794402        | 1646146       | 28.55%          | 2.775%        |
| 15        | 9.610       | 700           | 702         | 703          | rVB      | 73256          | 67098         | 1.16%           | 0.113%        |
| 16        | 9.656       | 703           | 706         | 708          | rBV      | 1732553        | 1603374       | 27.80%          | 2.703%        |
| 17        | 10.102      | 736           | 745         | 747          | rBV      | 89905          | 137638        | 2.39%           | 0.232%        |
| 18        | 10.445      | 772           | 775         | 778          | rVV      | 3319728        | 3723024       | 64.56%          | 6.277%        |
| 19        | 10.570      | 784           | 786         | 791          | rBV      | 79877          | 130739        | 2.27%           | 0.220%        |
| 20        | 11.028      | 823           | 826         | 827          | rBV      | 47460          | 63940         | 1.11%           | 0.108%        |
| 21        | 11.131      | 833           | 835         | 838          | rBV      | 1417932        | 1584399       | 27.47%          | 2.671%        |
| 22        | 11.382      | 854           | 857         | 860          | rBV      | 89701          | 112730        | 1.95%           | 0.190%        |
| 23        | 11.851      | 897           | 898         | 904          | rBV2     | 82326          | 125503        | 2.18%           | 0.212%        |
| 24        | 12.342      | 939           | 941         | 943          | rBV      | 147268         | 144590        | 2.51%           | 0.244%        |
| 25        | 12.559      | 958           | 960         | 962          | rBV      | 1804866        | 1612101       | 27.96%          | 2.718%        |
| 26        | 12.639      | 962           | 967         | 969          | rVV2     | 237107         | 283199        | 4.91%           | 0.477%        |
| 27        | 12.719      | 971           | 974         | 977          | rVB      | 3431264        | 4741161       | 82.22%          | 7.993%        |
| 28        | 12.971      | 992           | 996         | 997          | rBV      | 64558          | 85174         | 1.48%           | 0.144%        |
| 29        | 13.268      | 1019          | 1022        | 1024         | rBV      | 967864         | 1059315       | 18.37%          | 1.786%        |
| 30        | 13.314      | 1024          | 1026        | 1027         | rVV      | 99775          | 144778        | 2.51%           | 0.244%        |
| 31        | 13.336      | 1027          | 1028        | 1030         | rVB      | 102279         | 72774         | 1.26%           | 0.123%        |
| 32        | 13.485      | 1039          | 1041        | 1042         | rBV      | 65012          | 93199         | 1.62%           | 0.157%        |
| 33        | 13.634      | 1051          | 1054        | 1060         | rBV      | 319078         | 454277        | 7.88%           | 0.766%        |
| 34        | 13.759      | 1062          | 1065        | 1068         | rBV      | 1412077        | 1546347       | 26.82%          | 2.607%        |

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BNA\_F  
ClientSampleId :  
S4-B010(20-22)

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 | 13.954 | 1080 | 1082 | 1084 | rBV  | 180992 | 173945 | 3.02%  | 0.293% |
| 36 | 14.262 | 1106 | 1109 | 1114 | rVB  | 102791 | 181255 | 3.14%  | 0.306% |
| 37 | 14.548 | 1132 | 1134 | 1136 | rVB  | 160870 | 142525 | 2.47%  | 0.240% |
| 38 | 14.754 | 1150 | 1152 | 1156 | rVB  | 52368  | 87146  | 1.51%  | 0.147% |
| 39 | 14.845 | 1157 | 1160 | 1162 | rBV  | 129110 | 152495 | 2.64%  | 0.257% |
| 40 | 14.891 | 1162 | 1164 | 1171 | rVB4 | 23955  | 77452  | 1.34%  | 0.131% |
| 41 | 15.119 | 1182 | 1184 | 1186 | rBV  | 877104 | 990879 | 17.18% | 1.671% |
| 42 | 15.165 | 1186 | 1188 | 1193 | rVB  | 102314 | 148729 | 2.58%  | 0.251% |
| 43 | 15.531 | 1218 | 1220 | 1222 | rBV  | 65342  | 92586  | 1.61%  | 0.156% |
| 44 | 15.954 | 1253 | 1257 | 1261 | rBV2 | 46948  | 94851  | 1.64%  | 0.160% |
| 45 | 16.845 | 1331 | 1335 | 1340 | rBV4 | 57868  | 165364 | 2.87%  | 0.279% |

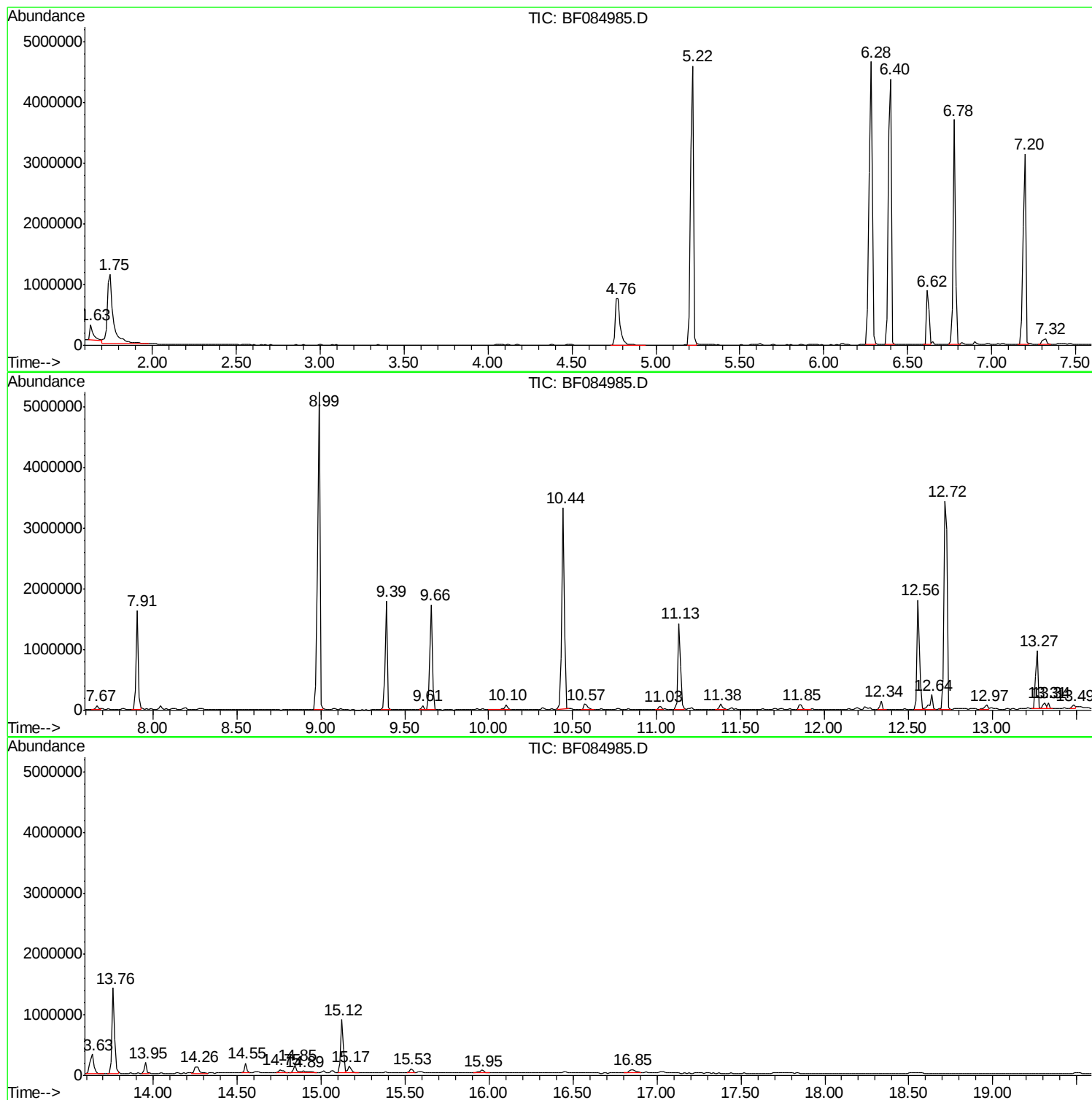
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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

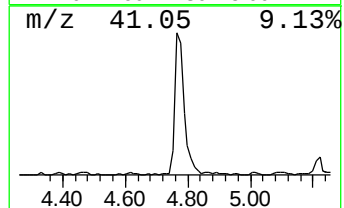
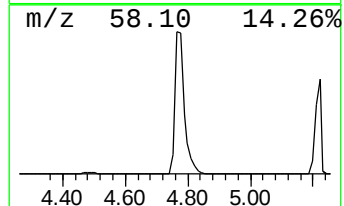
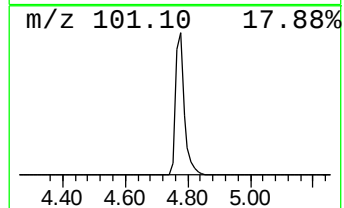
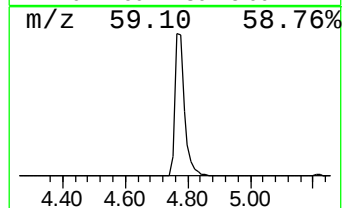
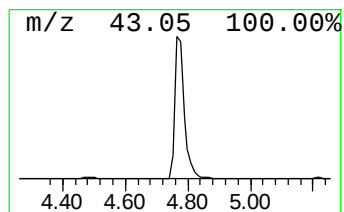
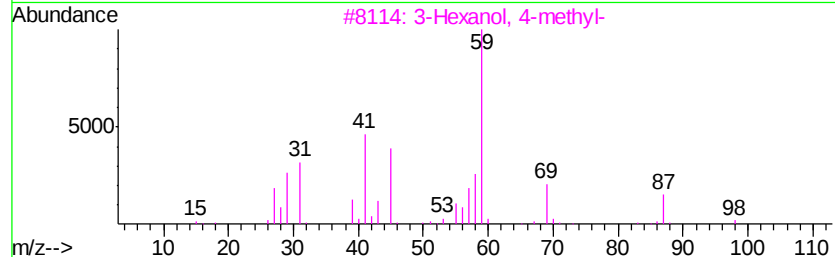
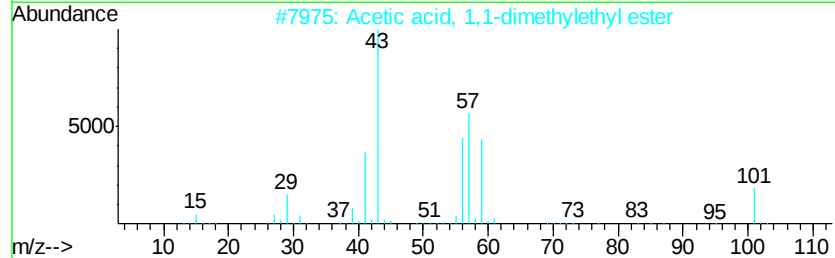
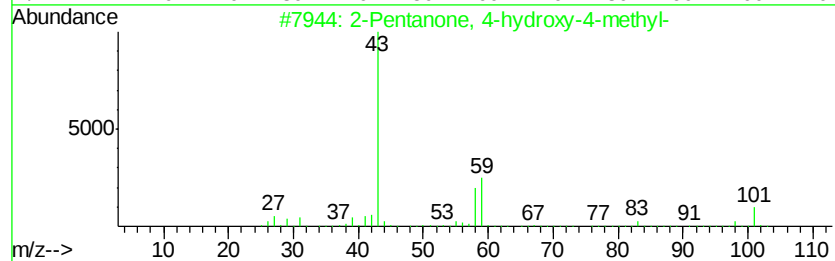
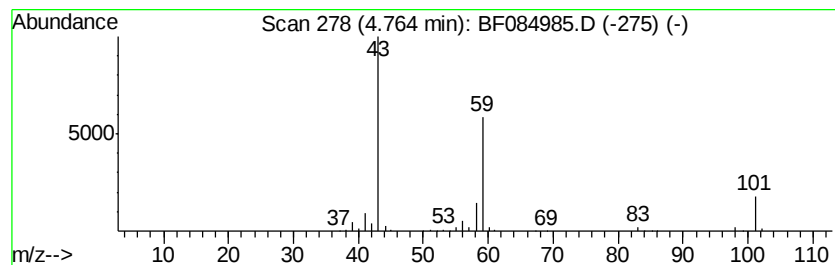
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.76 | 30.76 ng | 1570960 | 1,4-Dichlorobenzene-d4 | 6.62 |

| Hit# of | 5                                   | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|-------------------------------------|--------------|----------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl-    | 116          | C6H12O2  | 000123-42-2 | 59   |      |
| 2       | Acetic acid, 1,1-dimethylethyl e... | 116          | C6H12O2  | 000540-88-5 | 39   |      |
| 3       | 3-Hexanol, 4-methyl-                | 116          | C7H16O   | 000615-29-2 | 33   |      |
| 4       | Propane, 2-methyl-2-(1-methyleth... | 116          | C7H16O   | 017348-59-3 | 33   |      |
| 5       | Acetic acid, cyano-, 1,1-dimethy... | 141          | C7H11NO2 | 001116-98-9 | 32   |      |



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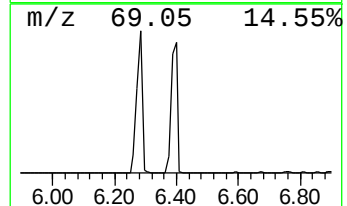
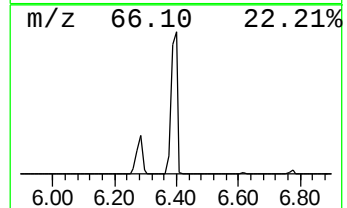
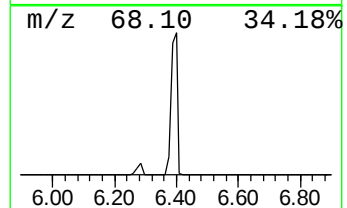
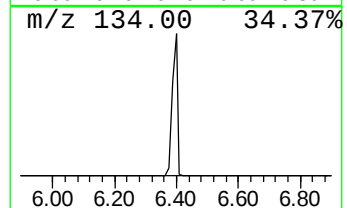
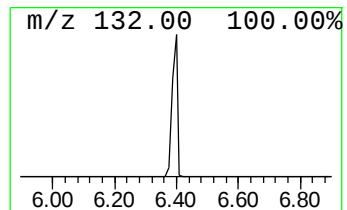
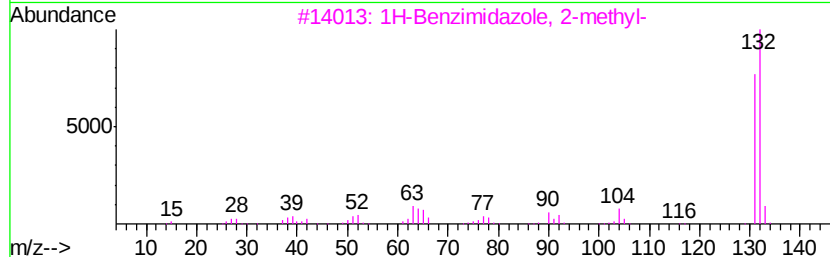
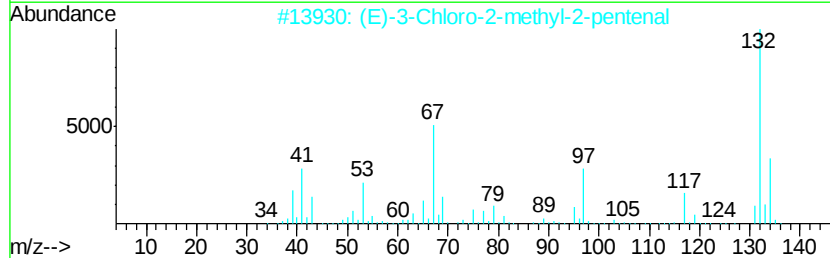
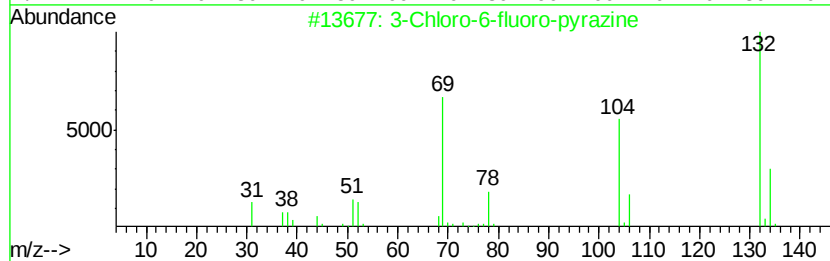
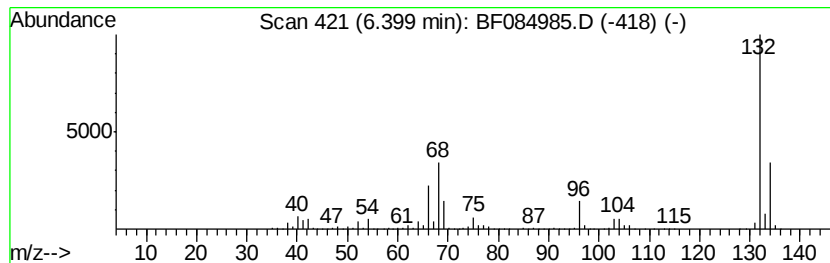
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown6.40 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.40 | 112.23 ng | 5732280 | 1,4-Dichlorobenzene-d4 | 6.62 |

| 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    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 12   |
| 4    |    | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | Xenon                            | 132 | Xe        | 007440-63-3  | 9    |



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

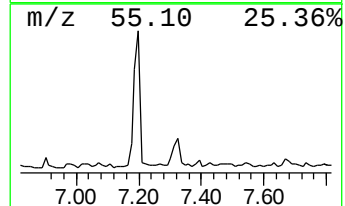
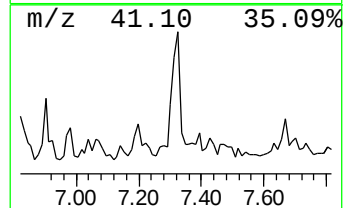
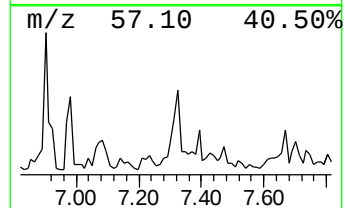
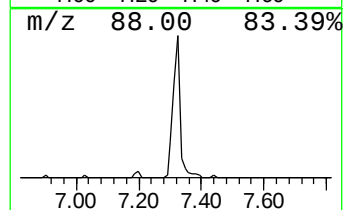
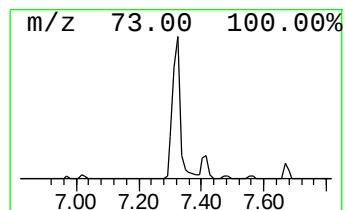
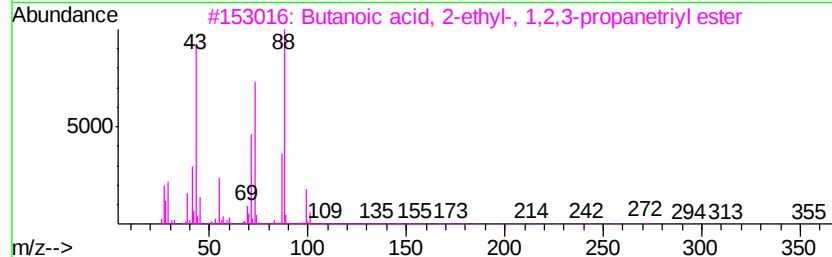
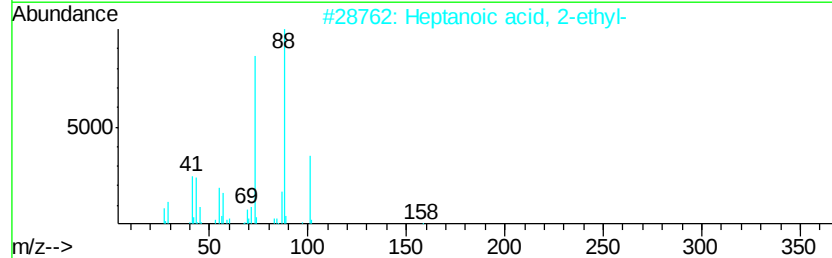
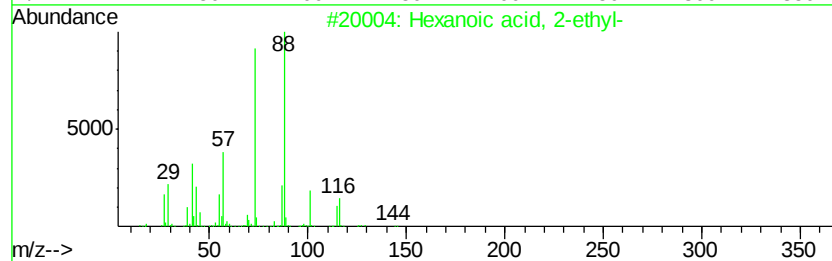
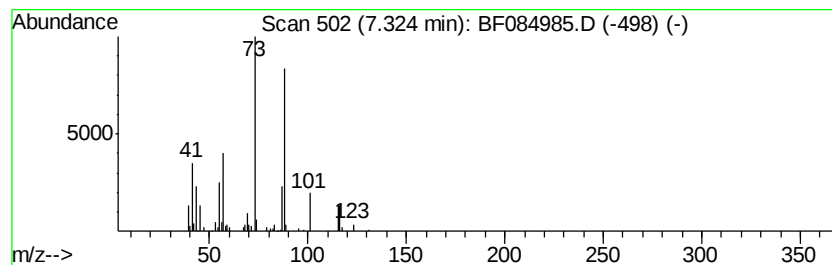
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Hexanoic acid, 2-ethyl- Concentration Rank 15

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 7.32 | 2.04 ng | 150988 | Naphthalene-d8   | 7.91 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexanoic acid, 2-ethyl-             | 144 | C8H16O2  | 000149-57-5 | 72   |
| 2    |    | Heptanoic acid, 2-ethyl-            | 158 | C9H18O2  | 003274-29-1 | 53   |
| 3    |    | Butanoic acid, 2-ethyl-, 1,2,3-p... | 386 | C21H38O6 | 056554-54-2 | 50   |
| 4    |    | 1,4-Dioxane                         | 88  | C4H8O2   | 000123-91-1 | 38   |
| 5    |    | Methyl 2,3,4-tri-O-methyl-6-deox... | 220 | C10H20O5 | 072983-16-5 | 37   |



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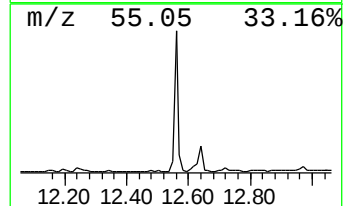
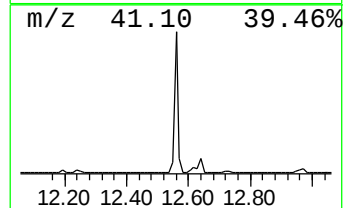
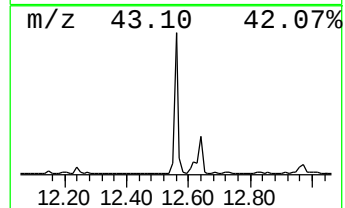
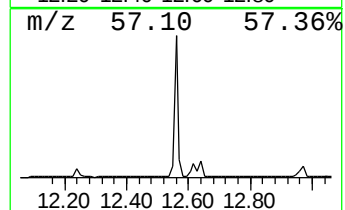
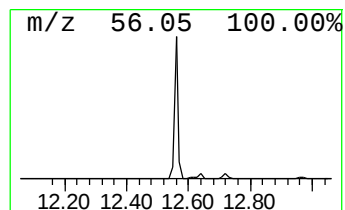
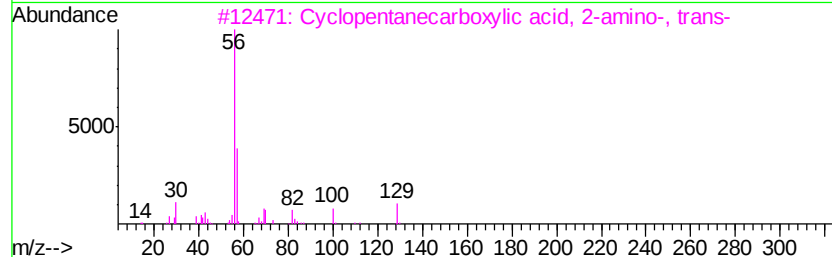
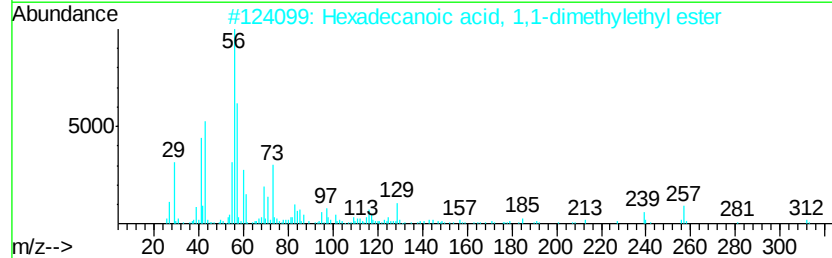
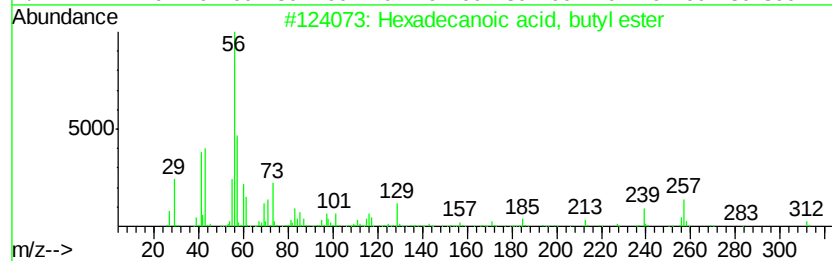
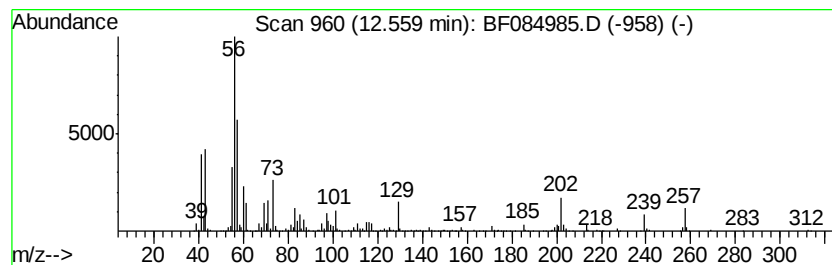
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Hexadecanoic acid, butyl ester Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.56 | 20.85 ng | 1612100 | Chrysene-d12     | 13.76 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, butyl ester      | 312 | C20H40O2 | 000111-06-8 | 94   |
| 2    |    | Hexadecanoic acid, 1,1-dimethyle... | 312 | C20H40O2 | 031158-91-5 | 64   |
| 3    |    | Cyclopentanecarboxylic acid, 2-a... | 129 | C6H11NO2 | 040482-05-1 | 38   |
| 4    |    | Cyclohexanol, 4-amino-, trans-      | 115 | C6H13NO  | 027489-62-9 | 38   |
| 5    |    | Cyclopentanecarboxylic acid, 2-a... | 129 | C6H11NO2 | 037910-65-9 | 38   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021016\  
Data File : BF084985.D  
Acq On : 10 Feb 2016 11:26  
Operator : SJ/IZ  
Sample : H1329-16  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B010(20-22)

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

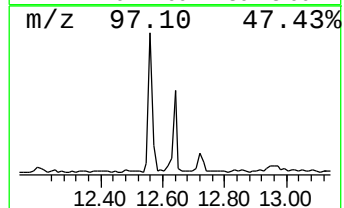
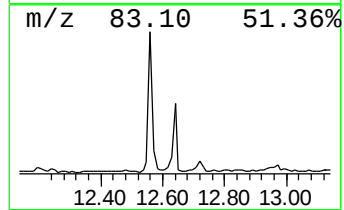
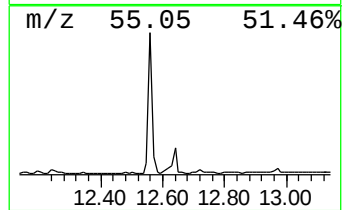
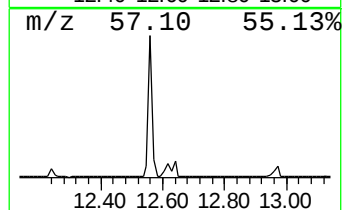
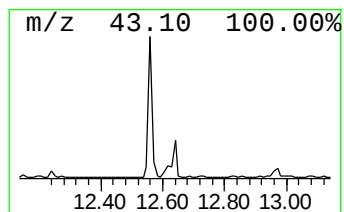
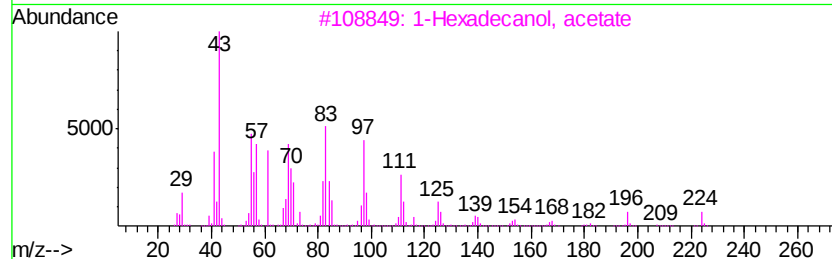
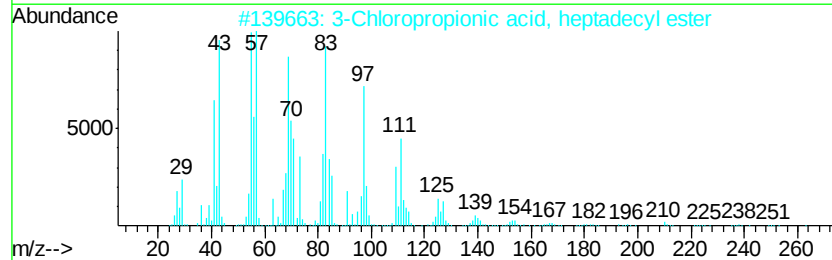
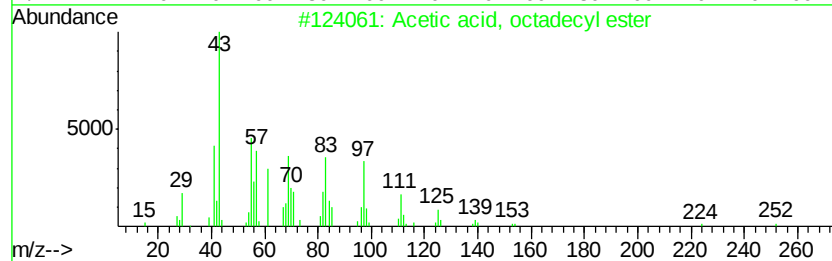
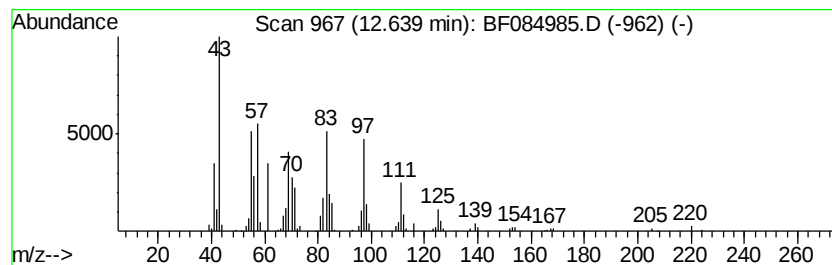
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Acetic acid, octadecyl ester Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.64 | 3.66 ng | 283199 | Chrysene-d12     | 13.76 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Acetic acid, octadecyl ester        | 312 | C20H40O2   | 000822-23-1  | 91   |
| 2    |    | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2 | 1000283-05-1 | 90   |
| 3    |    | 1-Hexadecanol, acetate              | 284 | C18H36O2   | 000629-70-9  | 87   |
| 4    |    | 1-Heptadecene                       | 238 | C17H34     | 006765-39-5  | 87   |
| 5    |    | 1-Tetradecanol, acetate             | 256 | C16H32O2   | 000638-59-5  | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021016\  
Data File : BF084985.D  
Acq On : 10 Feb 2016 11:26  
Operator : SJ/IZ  
Sample : H1329-16  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B010(20-22)

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

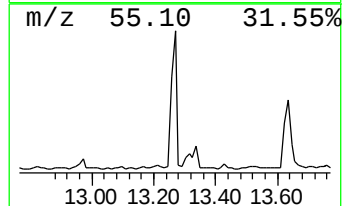
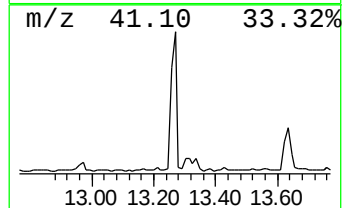
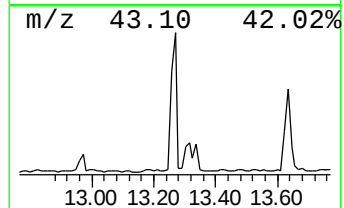
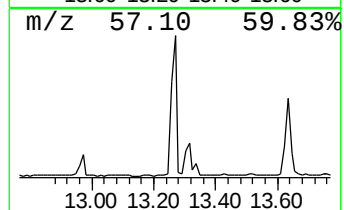
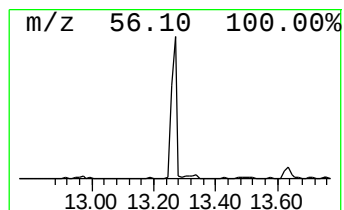
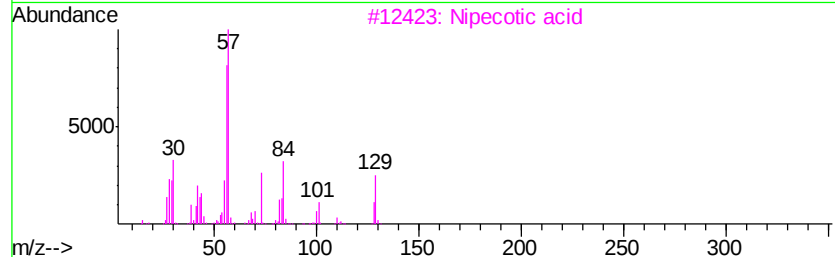
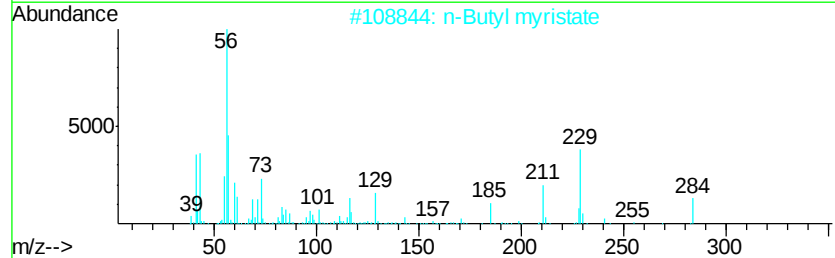
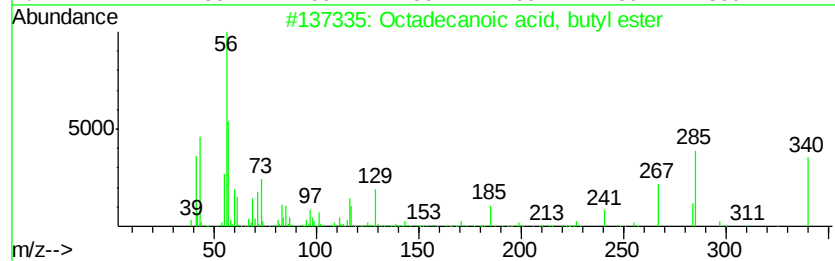
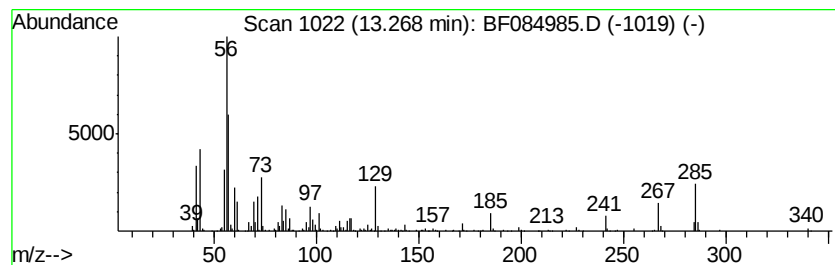
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Octadecanoic acid, butyl ester Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.27 | 13.70 ng | 1059320 | Chrysene-d12     | 13.76 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid, butyl ester      | 340 | C22H44O2 | 000123-95-5 | 91   |
| 2    |    | n-Butyl myristate                   | 284 | C18H36O2 | 000110-36-1 | 64   |
| 3    |    | Nipecotic acid                      | 129 | C6H11NO2 | 000498-95-3 | 38   |
| 4    |    | Octadecanoic acid, 2-methylpropy... | 340 | C22H44O2 | 000646-13-9 | 35   |
| 5    |    | 1,3-Hexanediol, 2-ethyl-            | 146 | C8H18O2  | 000094-96-2 | 32   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021016\  
Data File : BF084985.D  
Acq On : 10 Feb 2016 11:26  
Operator : SJ/IZ  
Sample : H1329-16  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

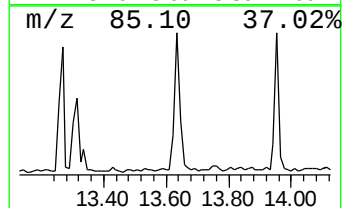
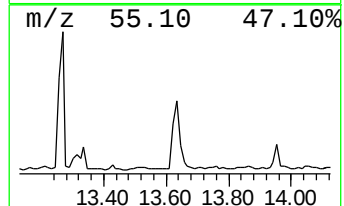
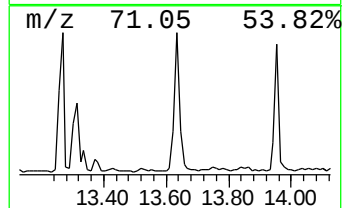
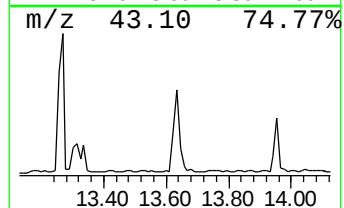
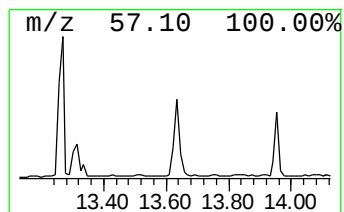
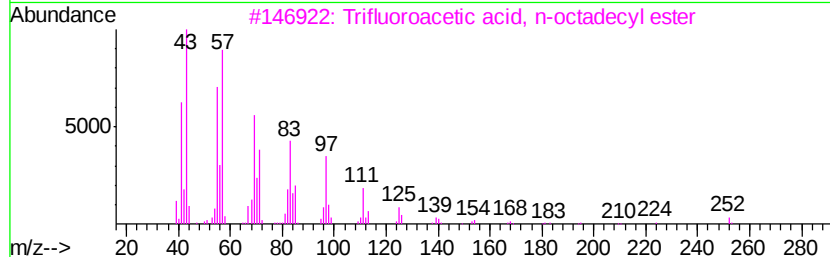
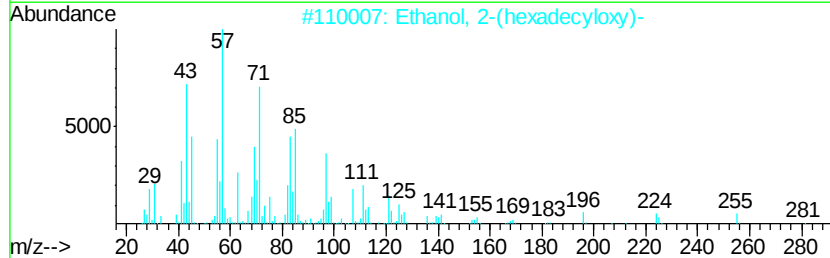
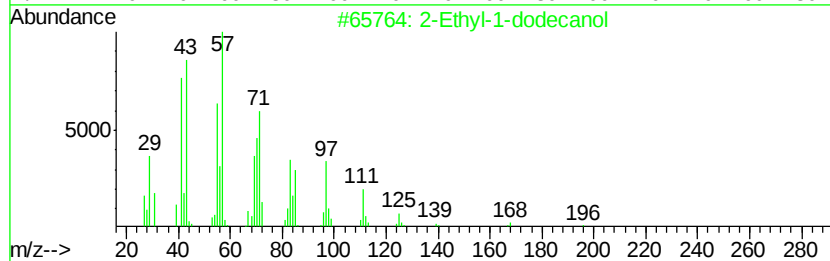
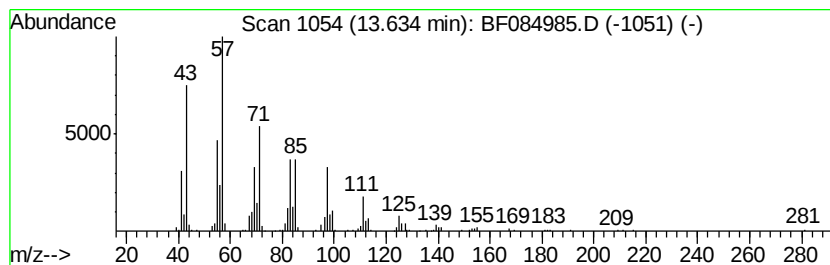
Instrument :  
BNA\_F  
ClientSampleId :  
S4-B010(20-22)

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 2-Ethyl-1-dodecanol Concentration Rank 8

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------|-------------|------|------|
| 13.63   | 5.88 ng                             | 454277       | Chrysene-d12     | 13.76       |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 2-Ethyl-1-dodecanol                 | 214          | C14H30O          | 019780-33-7 | 90   |      |
| 2       | Ethanol, 2-(hexadecyloxy)-          | 286          | C18H38O2         | 002136-71-2 | 72   |      |
| 3       | Trifluoroacetic acid, n-octadecy... | 366          | C20H37F3O2       | 079392-43-1 | 62   |      |
| 4       | Tridecane                           | 184          | C13H28           | 000629-50-5 | 58   |      |
| 5       | Trichloroacetic acid, hexadecyl ... | 386          | C18H33Cl3O2      | 074339-54-1 | 58   |      |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021016\  
Data File : BF084985.D  
Acq On : 10 Feb 2016 11:26  
Operator : SJ/IZ  
Sample : H1329-16  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B010(20-22)

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

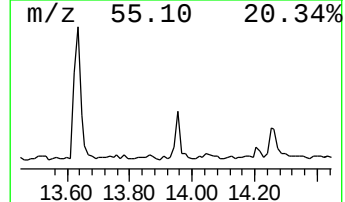
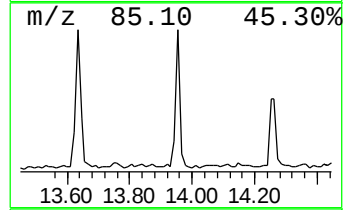
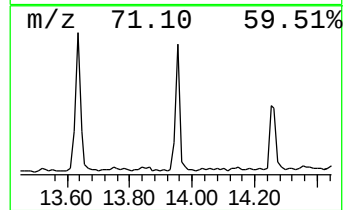
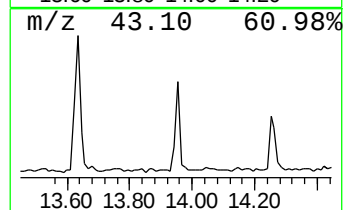
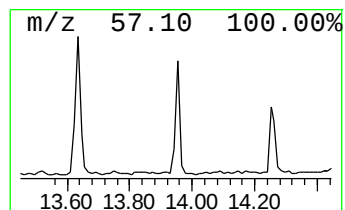
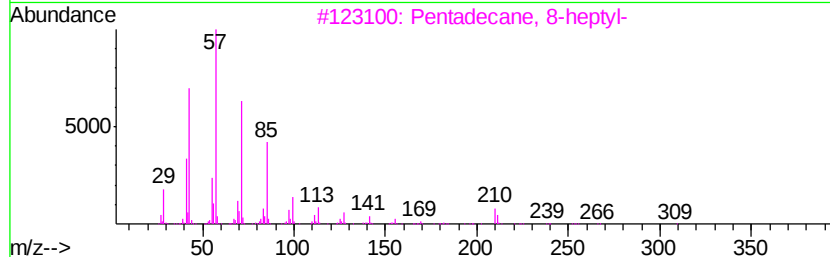
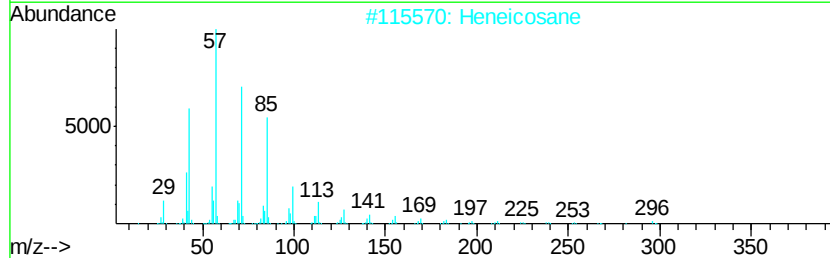
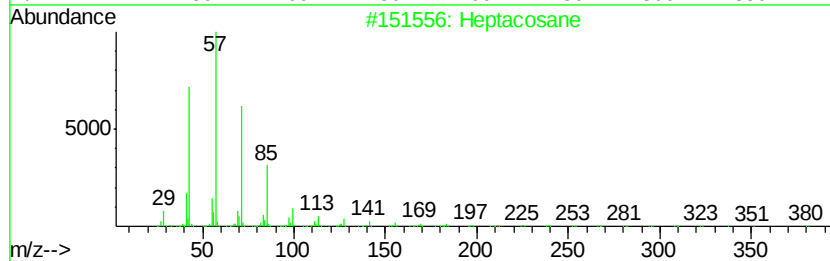
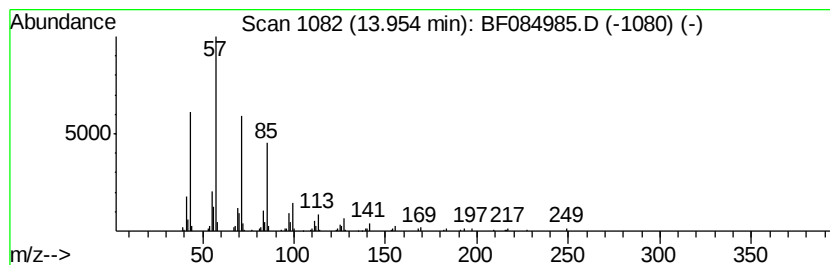
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Heptacosane Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.95 | 2.25 ng | 173945 | Chrysene-d12     | 13.76 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane            | 380 | C27H56  | 000593-49-7 | 91   |
| 2    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 4    |    | Docosane               | 310 | C22H46  | 000629-97-0 | 90   |
| 5    |    | Pentadecane, 8-hexyl-  | 296 | C21H44  | 013475-75-7 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021016\  
Data File : BF084985.D  
Acq On : 10 Feb 2016 11:26  
Operator : SJ/IZ  
Sample : H1329-16  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B010(20-22)

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

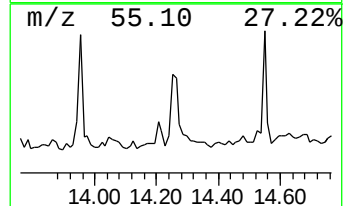
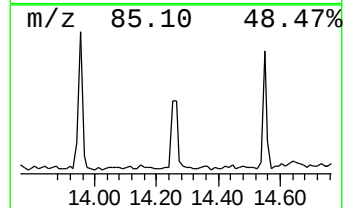
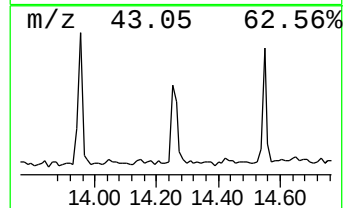
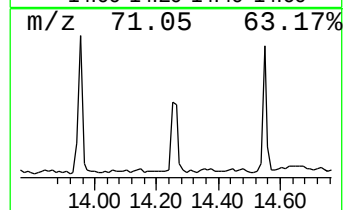
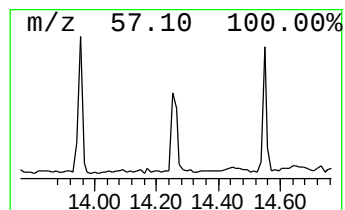
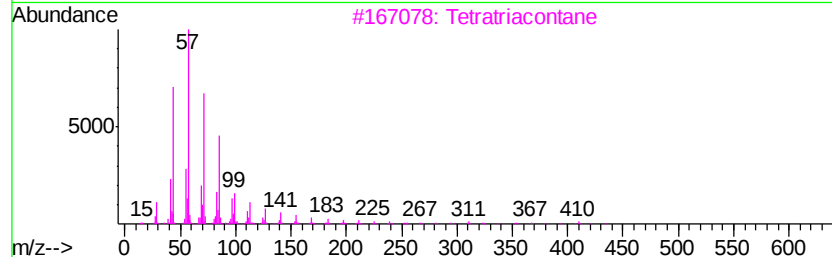
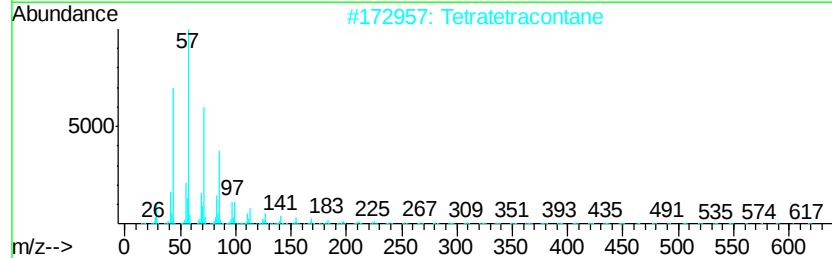
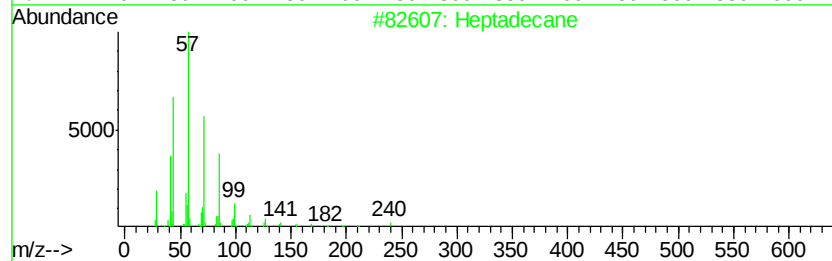
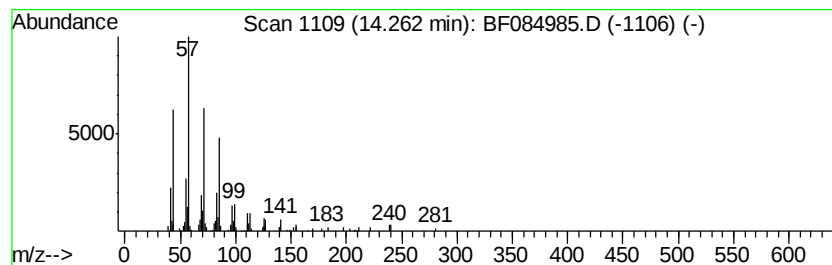
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Heptadecane Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.26 | 2.34 ng | 181255 | Chrysene-d12     | 13.76 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane                      | 240 | C17H36  | 000629-78-7 | 96   |
| 2    |    | Tetratetracontane                | 619 | C44H90  | 007098-22-8 | 91   |
| 3    |    | Tetratriacontane                 | 479 | C34H70  | 014167-59-0 | 87   |
| 4    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 87   |
| 5    |    | Hentriacontane                   | 437 | C31H64  | 000630-04-6 | 87   |



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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B010(20-22)

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

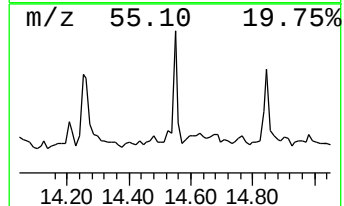
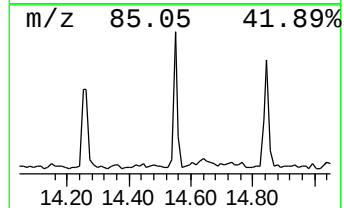
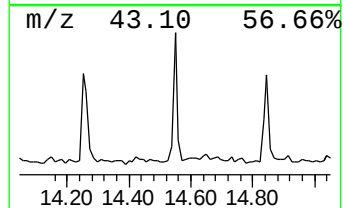
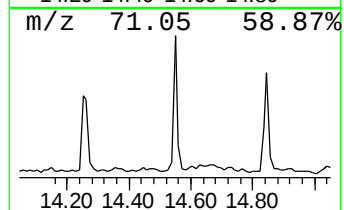
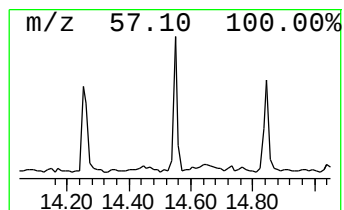
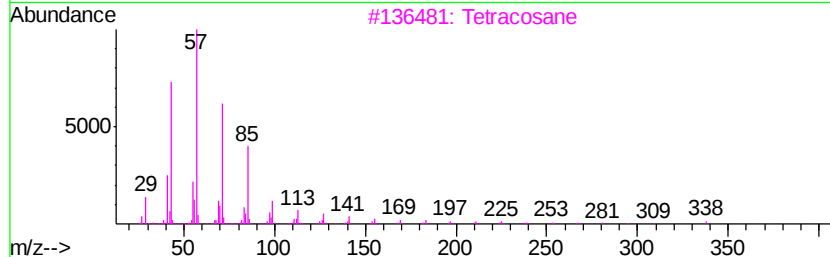
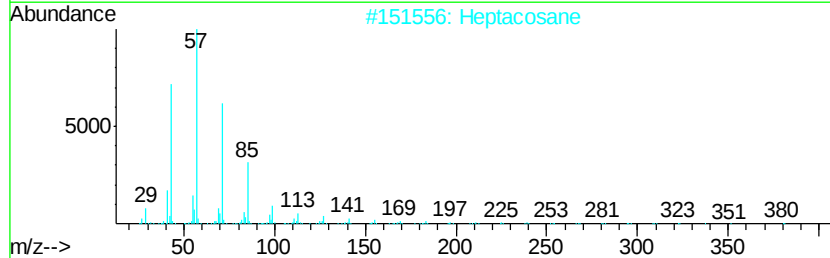
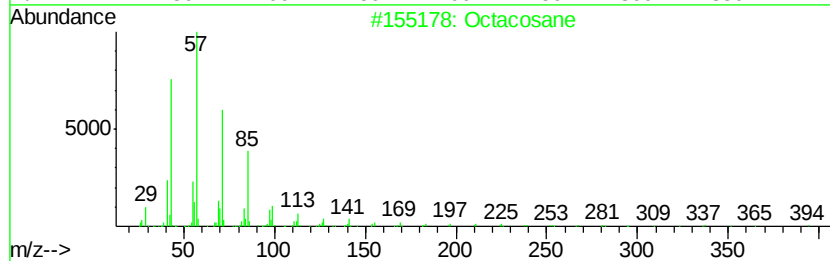
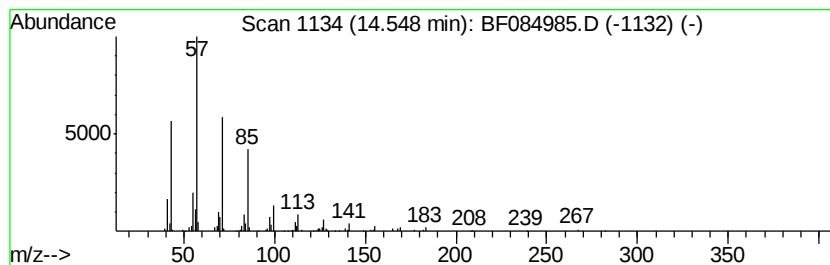
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 Octacosane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.55 | 2.88 ng | 142525 | Perylene-d12     | 15.12 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Octacosane             | 394 | C28H58  | 000630-02-4 | 91   |
| 2    |    |   | Heptacosane            | 380 | C27H56  | 000593-49-7 | 91   |
| 3    |    |   | Tetracosane            | 338 | C24H50  | 000646-31-1 | 91   |
| 4    |    |   | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 5    |    |   | Heneicosane            | 296 | C21H44  | 000629-94-7 | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021016\  
Data File : BF084985.D  
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Operator : SJ/IZ  
Sample : H1329-16  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B010(20-22)

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

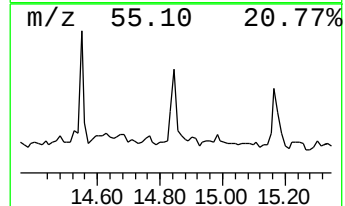
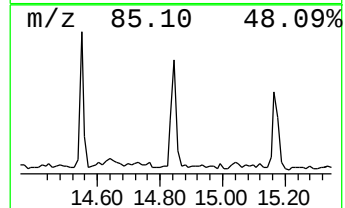
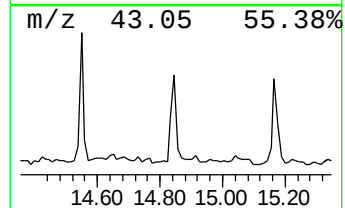
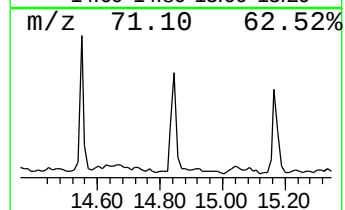
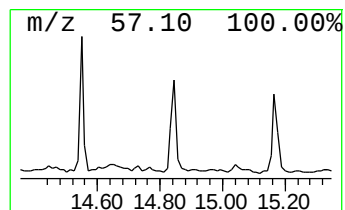
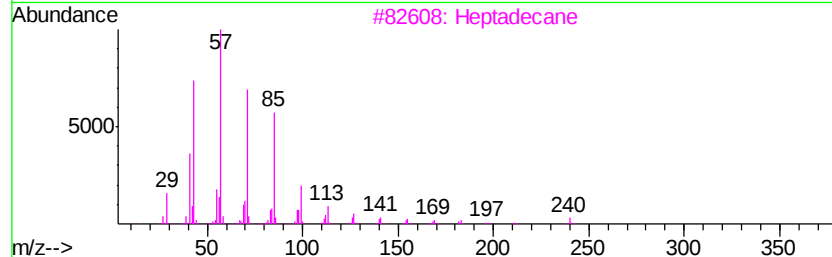
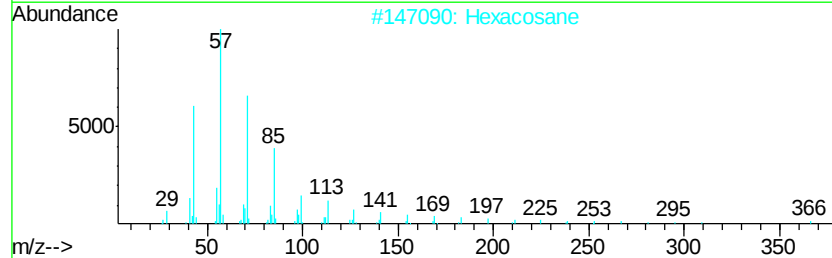
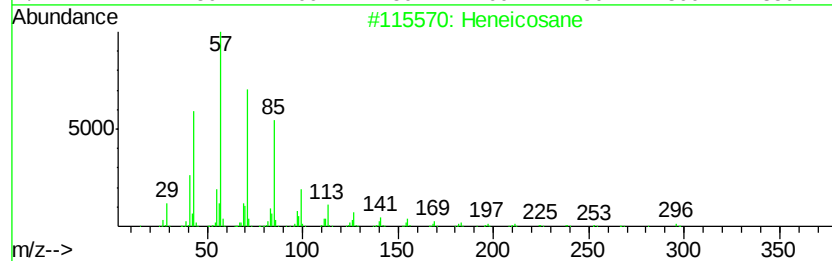
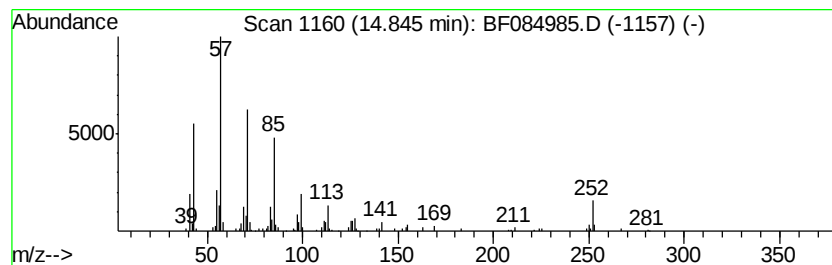
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Heneicosane Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.85 | 3.08 ng | 152495 | Perylene-d12     | 15.12 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane            | 296 | C21H44  | 000629-94-7 | 87   |
| 2    |    |   | Hexacosane             | 366 | C26H54  | 000630-01-3 | 83   |
| 3    |    |   | Heptadecane            | 240 | C17H36  | 000629-78-7 | 83   |
| 4    |    |   | Pentacosane            | 352 | C25H52  | 000629-99-2 | 83   |
| 5    |    |   | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 83   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021016\  
Data File : BF084985.D  
Acq On : 10 Feb 2016 11:26  
Operator : SJ/IZ  
Sample : H1329-16  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B010(20-22)

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 |
| 2-Pentanone, 4-hy... | 4.76  | 30.8    | ng    | 1570960  | 1                     | 6.62  | 1021560 | 20.0 |
| unknown6.40          | 6.40  | 112.2   | ng    | 5732280  | 1                     | 6.62  | 1021560 | 20.0 |
| Hexanoic acid, 2-... | 7.32  | 2.0     | ng    | 150988   | 2                     | 7.91  | 1477770 | 20.0 |
| Hexadecanoic acid... | 12.56 | 20.9    | ng    | 1612100  | 5                     | 13.76 | 1546350 | 20.0 |
| Acetic acid, octa... | 12.64 | 3.7     | ng    | 283199   | 5                     | 13.76 | 1546350 | 20.0 |
| Octadecanoic acid... | 13.27 | 13.7    | ng    | 1059320  | 5                     | 13.76 | 1546350 | 20.0 |
| 2-Ethyl-1-dodecanol  | 13.63 | 5.9     | ng    | 454277   | 5                     | 13.76 | 1546350 | 20.0 |
| Heptacosane          | 13.95 | 2.3     | ng    | 173945   | 5                     | 13.76 | 1546350 | 20.0 |
| Heptadecane          | 14.26 | 2.3     | ng    | 181255   | 5                     | 13.76 | 1546350 | 20.0 |
| Octacosane           | 14.55 | 2.9     | ng    | 142525   | 6                     | 15.12 | 990879  | 20.0 |
| Heneicosane          | 14.85 | 3.1     | ng    | 152495   | 6                     | 15.12 | 990879  | 20.0 |