

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\  
 Data File : BF088521.D  
 Acq On : 30 Jun 2016 5:45  
 Operator : UM/SJ  
 Sample : H3830-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-GF-017

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-BF062916.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.667    | 4          | 7        | 9         | rVB   | 1769877     | 2104283    | 45.53%       | 6.255%     |
| 2      | 1.747    | 12         | 14       | 24        | rVB   | 278197      | 526166     | 11.38%       | 1.564%     |
| 3      | 1.873    | 24         | 25       | 40        | rVB   | 2514404     | 4622031    | 100.00%      | 13.739%    |
| 4      | 2.067    | 40         | 42       | 74        | rVB   | 132335      | 681327     | 14.74%       | 2.025%     |
| 5      | 3.061    | 127        | 129      | 139       | rBV   | 29187       | 74130      | 1.60%        | 0.220%     |
| 6      | 5.004    | 295        | 299      | 302       | rBV2  | 291980      | 579184     | 12.53%       | 1.722%     |
| 7      | 5.416    | 332        | 335      | 337       | rBV   | 2515570     | 2448662    | 52.98%       | 7.279%     |
| 8      | 6.445    | 422        | 425      | 428       | rBV   | 2018522     | 2321769    | 50.23%       | 6.901%     |
| 9      | 6.582    | 435        | 437      | 440       | rBV   | 1997420     | 2540630    | 54.97%       | 7.552%     |
| 10     | 6.822    | 456        | 458      | 460       | rBV   | 999498      | 816297     | 17.66%       | 2.426%     |
| 11     | 6.982    | 469        | 472      | 474       | rVB   | 2063369     | 2116662    | 45.80%       | 6.292%     |
| 12     | 7.382    | 504        | 507      | 509       | rBV   | 1686518     | 1563336    | 33.82%       | 4.647%     |
| 13     | 8.102    | 568        | 570      | 572       | rBV   | 958700      | 920216     | 19.91%       | 2.735%     |
| 14     | 8.250    | 581        | 583      | 586       | rBV   | 231418      | 280794     | 6.08%        | 0.835%     |
| 15     | 9.176    | 662        | 664      | 667       | rBV   | 1908068     | 2544790    | 55.06%       | 7.564%     |
| 16     | 9.576    | 696        | 699      | 701       | rVV   | 122525      | 115919     | 2.51%        | 0.345%     |
| 17     | 9.851    | 721        | 723      | 726       | rBV2  | 821775      | 866366     | 18.74%       | 2.575%     |
| 18     | 10.639   | 789        | 792      | 794       | rBV   | 1160978     | 1254083    | 27.13%       | 3.728%     |
| 19     | 11.211   | 840        | 842      | 844       | rBV   | 37897       | 50765      | 1.10%        | 0.151%     |
| 20     | 11.336   | 850        | 853      | 855       | rVV   | 636206      | 812509     | 17.58%       | 2.415%     |
| 21     | 11.862   | 897        | 899      | 902       | rBV   | 46903       | 71112      | 1.54%        | 0.211%     |
| 22     | 12.914   | 989        | 991      | 994       | rBV   | 2034839     | 2190758    | 47.40%       | 6.512%     |
| 23     | 13.165   | 1011       | 1013     | 1015      | rVB   | 78815       | 74206      | 1.61%        | 0.221%     |
| 24     | 13.508   | 1040       | 1043     | 1044      | rBV   | 84291       | 109988     | 2.38%        | 0.327%     |
| 25     | 13.817   | 1068       | 1070     | 1074      | rBV2  | 266435      | 422728     | 9.15%        | 1.257%     |
| 26     | 13.954   | 1080       | 1082     | 1085      | rBV2  | 759993      | 925365     | 20.02%       | 2.751%     |
| 27     | 14.148   | 1097       | 1099     | 1101      | rBV   | 165077      | 156128     | 3.38%        | 0.464%     |
| 28     | 14.457   | 1123       | 1126     | 1128      | rBV   | 281388      | 374430     | 8.10%        | 1.113%     |
| 29     | 14.605   | 1137       | 1139     | 1141      | rVB   | 55902       | 56317      | 1.22%        | 0.167%     |
| 30     | 14.754   | 1149       | 1152     | 1156      | rBV2  | 83629       | 143817     | 3.11%        | 0.427%     |
| 31     | 14.880   | 1162       | 1163     | 1165      | rBV   | 61173       | 63317      | 1.37%        | 0.188%     |
| 32     | 15.063   | 1177       | 1179     | 1183      | rVB   | 179753      | 267120     | 5.78%        | 0.794%     |
| 33     | 15.360   | 1203       | 1205     | 1208      | rVB   | 519525      | 715020     | 15.47%       | 2.125%     |
| 34     | 15.611   | 1224       | 1227     | 1232      | rBV2  | 93963       | 186964     | 4.05%        | 0.556%     |

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ClientSampleId :  
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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-BF062916.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |       |        |
|----|--------|------|------|------|------|--------|--------|-------|--------|
| 35 | 15.828 | 1244 | 1246 | 1248 | rBV  | 132575 | 210538 | 4.56% | 0.626% |
| 36 | 15.874 | 1248 | 1250 | 1254 | rVB3 | 81614  | 153239 | 3.32% | 0.455% |
| 37 | 16.571 | 1309 | 1311 | 1318 | rVB  | 70862  | 133342 | 2.88% | 0.396% |
| 38 | 18.034 | 1436 | 1439 | 1445 | rVB5 | 57509  | 147944 | 3.20% | 0.440% |

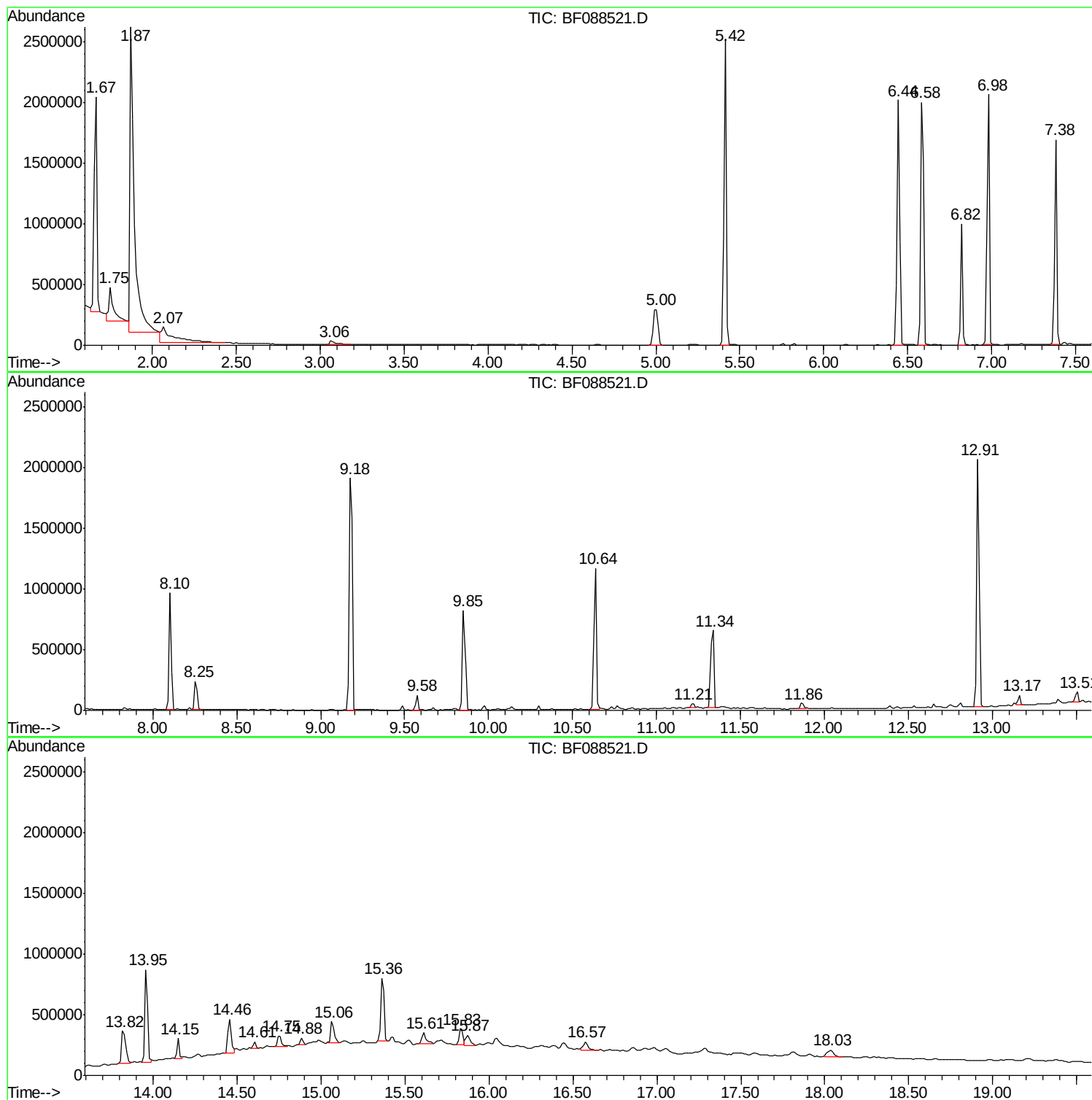
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

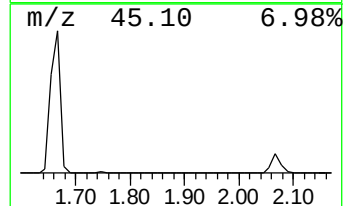
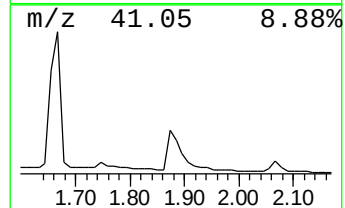
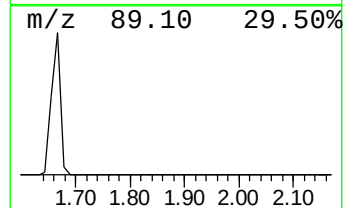
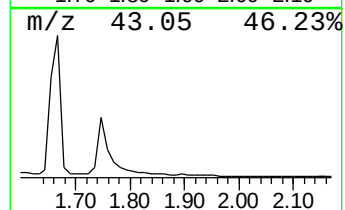
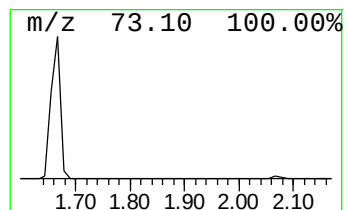
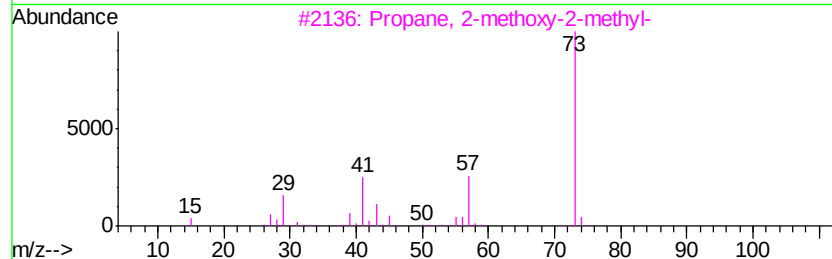
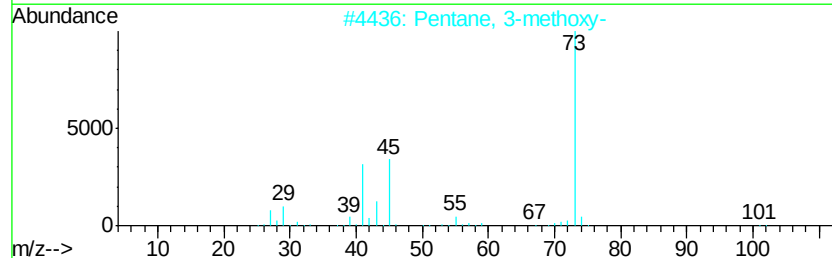
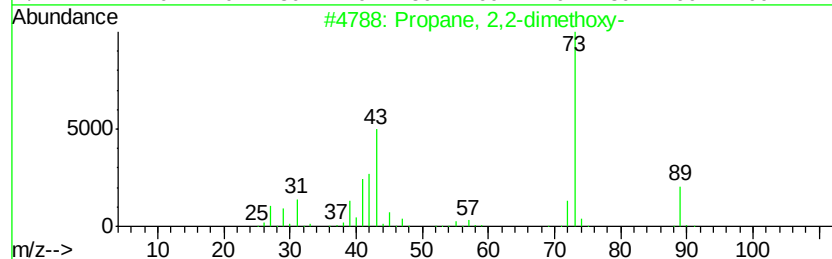
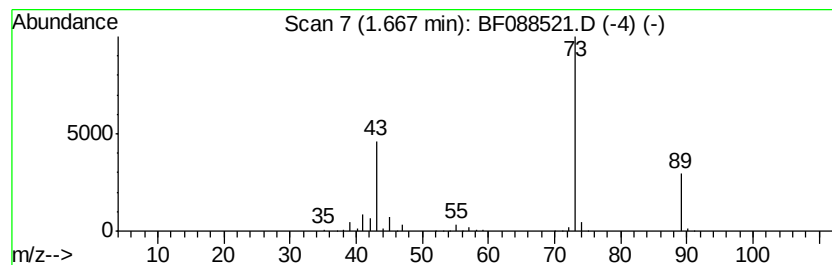
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown1.67 Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 1.67 | 51.56 ng | 2104280 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propane, 2,2-dimethoxy-        | 104 | C5H12O2 | 000077-76-9 | 38   |
| 2    |    | Pentane, 3-methoxy-            | 102 | C6H14O  | 036839-67-5 | 12   |
| 3    |    | Propane, 2-methoxy-2-methyl-   | 88  | C5H12O  | 001634-04-4 | 9    |
| 4    |    | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 9    |
| 5    |    | Methane, isothiocyanato-       | 73  | C2H3NS  | 000556-61-6 | 7    |



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TILCON-GF-017

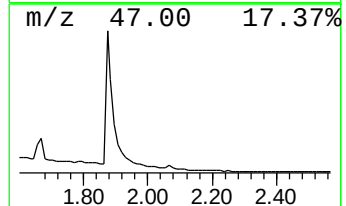
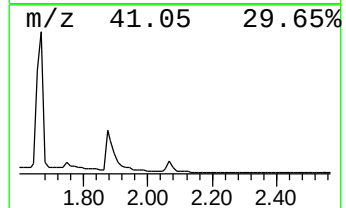
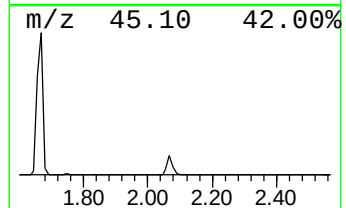
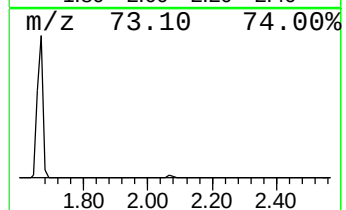
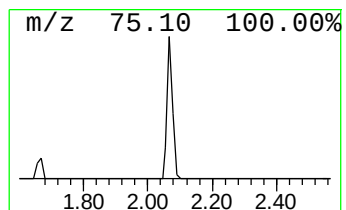
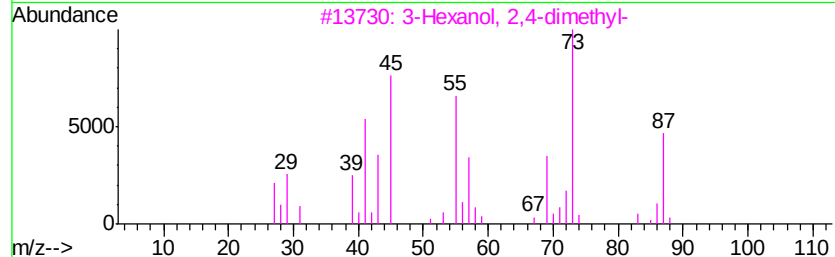
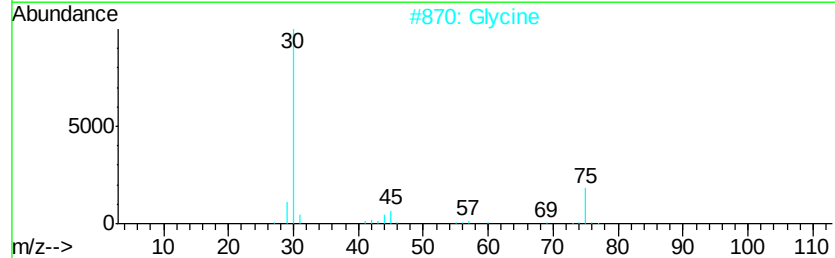
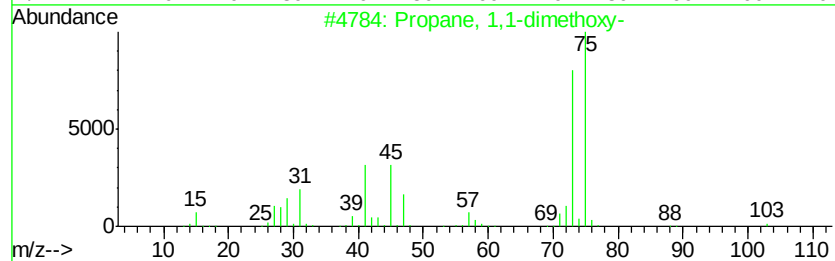
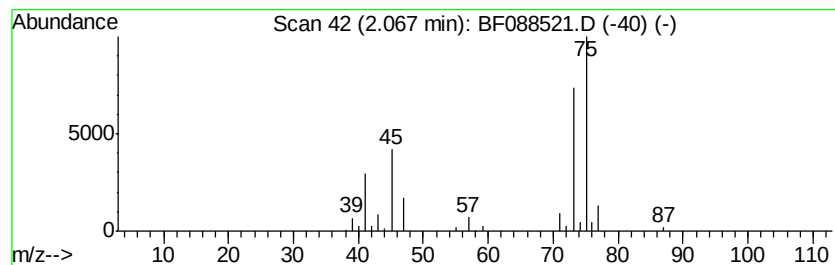
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Propane, 1,1-dimethoxy- Concentration Rank 5

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.07 | 16.69 ng | 681327 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propane, 1,1-dimethoxy-          | 104 | C5H12O2 | 004744-10-9 | 78   |
| 2    |    | Glycine                          | 75  | C2H5NO2 | 000056-40-6 | 9    |
| 3    |    | 3-Hexanol, 2,4-dimethyl-         | 130 | C8H18O  | 013432-25-2 | 9    |
| 4    |    | Pentane, 3-methoxy-              | 102 | C6H14O  | 036839-67-5 | 9    |
| 5    |    | Propane, 1,1-dimethoxy-2-methyl- | 118 | C6H14O2 | 041632-89-7 | 9    |



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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-GF-017

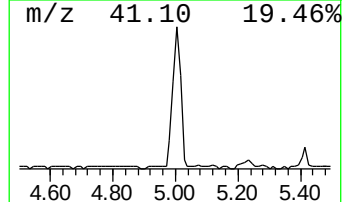
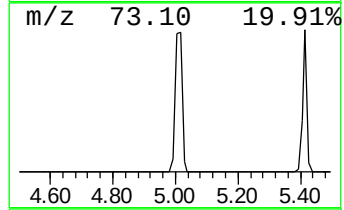
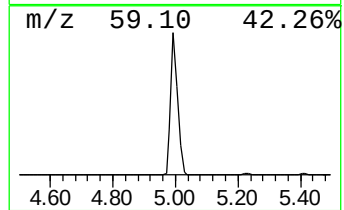
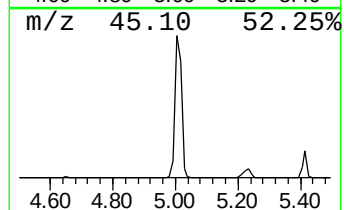
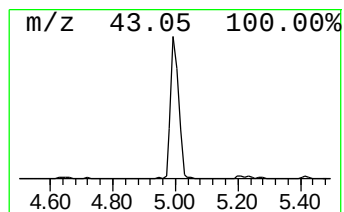
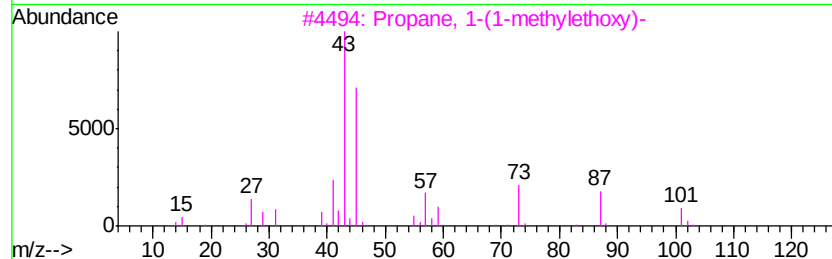
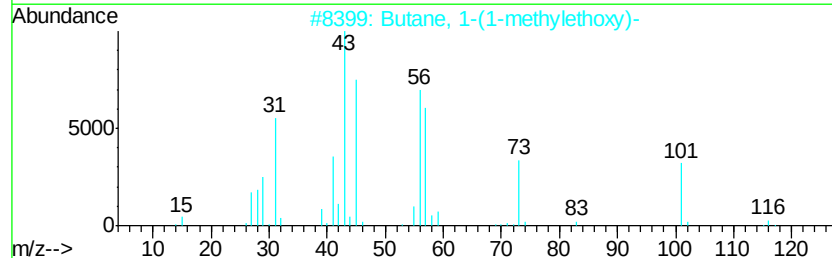
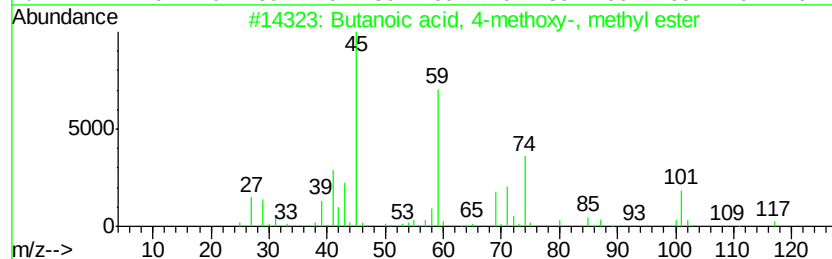
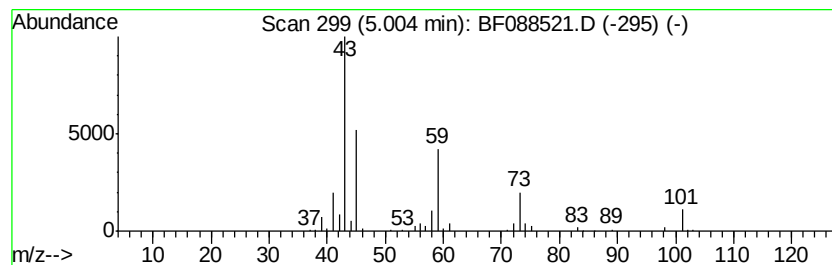
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 unknown5.00 Concentration Rank 6

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.00 | 14.19 ng | 579184 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, 4-methoxy-, methy... | 132 | C6H12O3 | 029006-01-7 | 42   |
| 2    |    | Butane, 1-(1-methylethoxy)-         | 116 | C7H16O  | 001860-27-1 | 40   |
| 3    |    | Propane, 1-(1-methylethoxy)-        | 102 | C6H14O  | 000627-08-7 | 37   |
| 4    |    | Ethanol, 2-(1-methylethoxy)-        | 104 | C5H12O2 | 000109-59-1 | 37   |
| 5    |    | 1-(Methoxymethoxy)-3-methyl-3-hy... | 148 | C7H16O3 | 037587-78-3 | 33   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

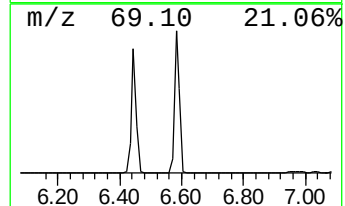
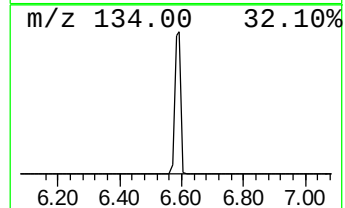
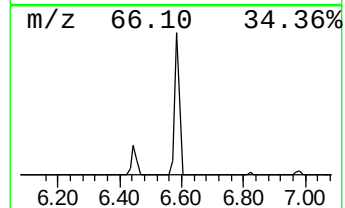
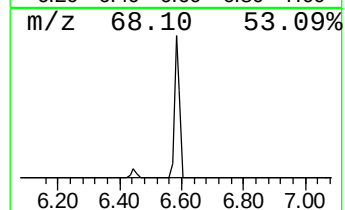
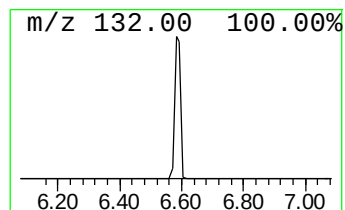
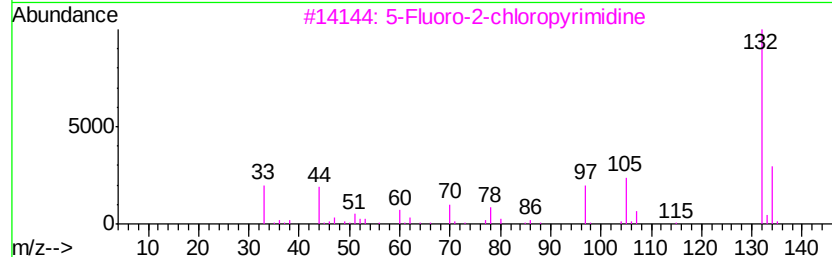
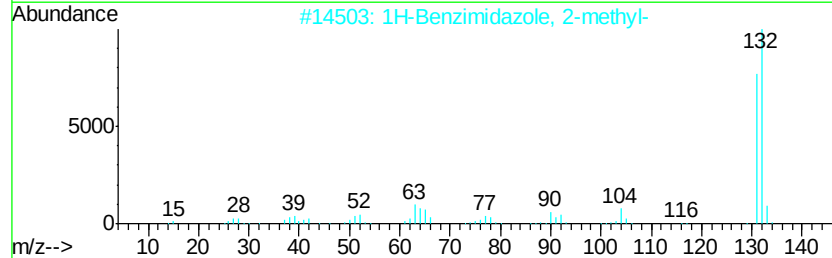
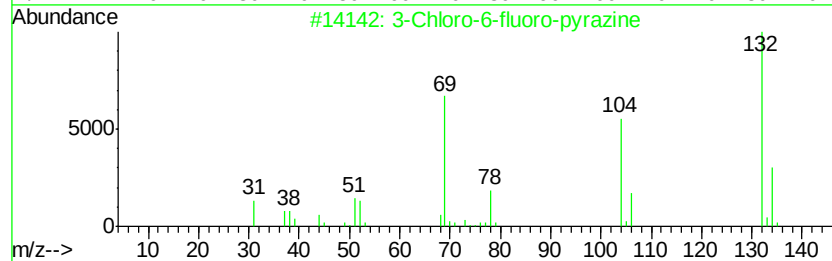
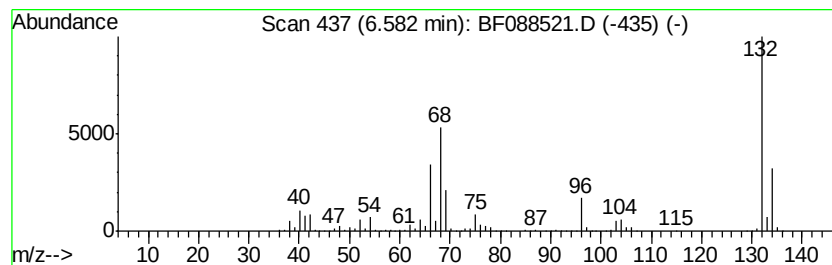
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 unknown6.58 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.58 | 62.25 ng | 2540630 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of                               | 5 | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|------|----------------------------------|---|--------------|-----|-----------|--------------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine       |   |              | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    | 1H-Benzimidazole, 2-methyl-      |   |              | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    | 5-Fluoro-2-chloropyrimidine      |   |              | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 4    | 2-Cyclohexen-1-one               |   |              | 96  | C6H8O     | 000930-68-7  | 10   |
| 5    | (5-Methyl-2-pyridyl)acetonitrile |   |              | 132 | C8H8N2    | 1000241-93-9 | 10   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

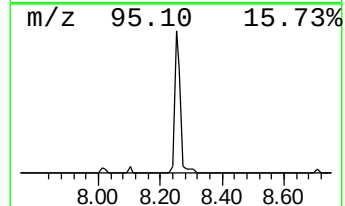
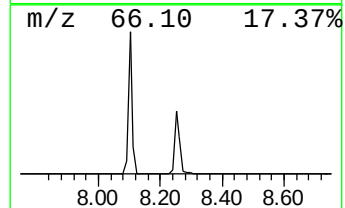
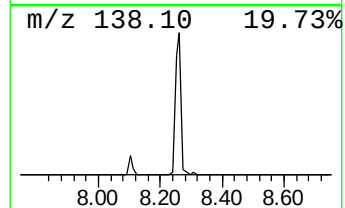
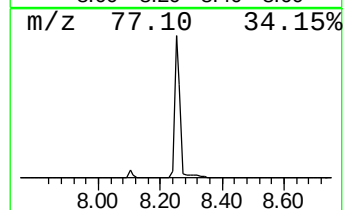
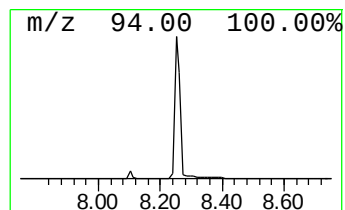
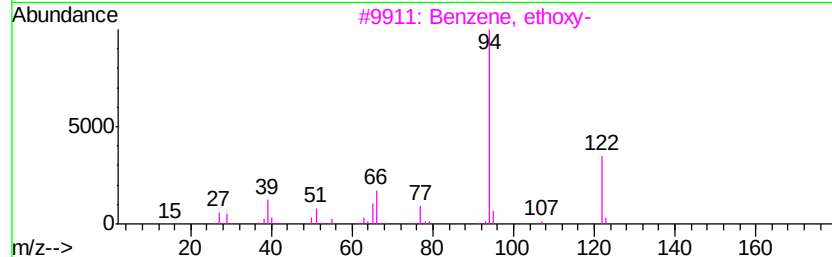
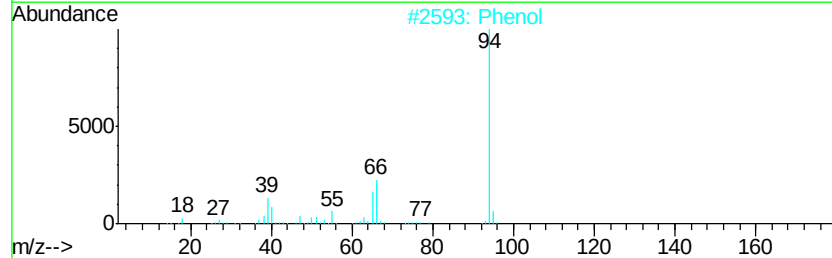
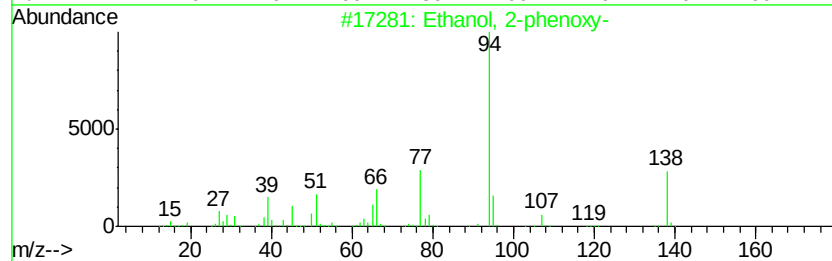
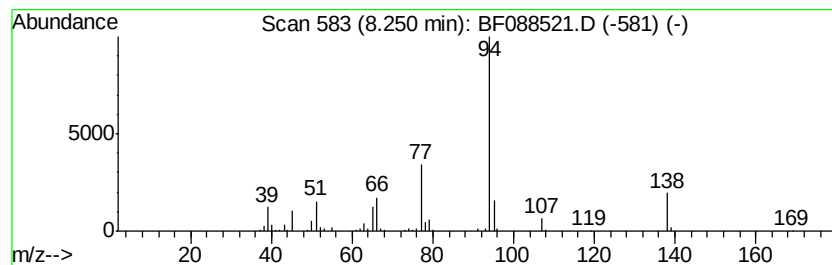
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Ethanol, 2-phenoxy- Concentration Rank 11

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.25 | 6.10 ng | 280794 | Naphthalene-d8   | 8.10 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethanol, 2-phenoxy-       | 138 | C8H10O2 | 000122-99-6 | 97   |
| 2    |    | Phenol                    | 94  | C6H6O   | 000108-95-2 | 53   |
| 3    |    | Benzene, ethoxy-          | 122 | C8H10O  | 000103-73-1 | 53   |
| 4    |    | Acetic acid, phenyl ester | 136 | C8H8O2  | 000122-79-2 | 47   |
| 5    |    | 2-Vinylfuran              | 94  | C6H6O   | 001487-18-9 | 46   |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\  
Data File : BF088521.D  
Acq On : 30 Jun 2016 5:45  
Operator : UM/SJ  
Sample : H3830-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-GF-017

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

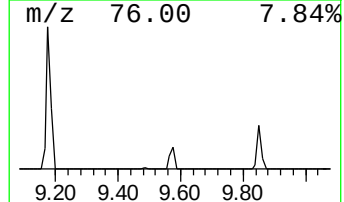
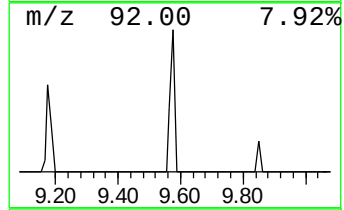
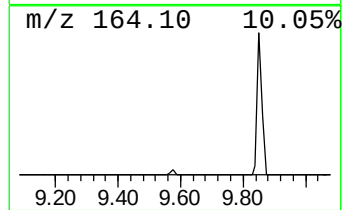
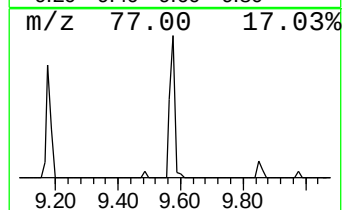
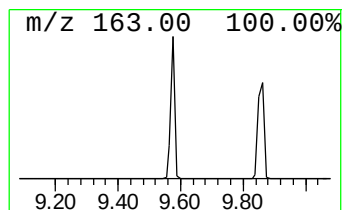
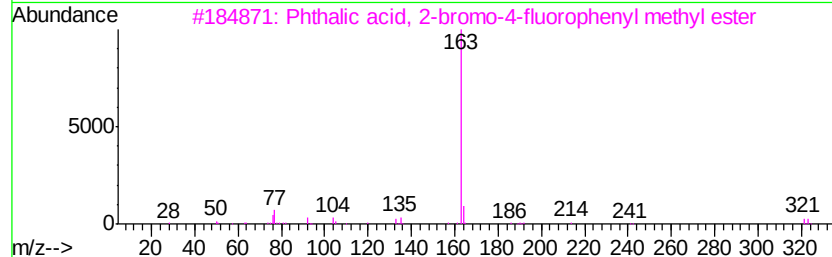
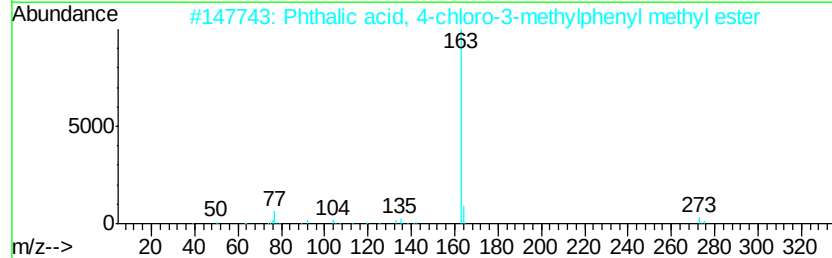
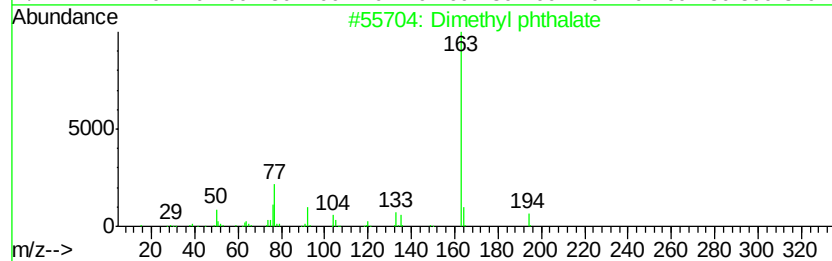
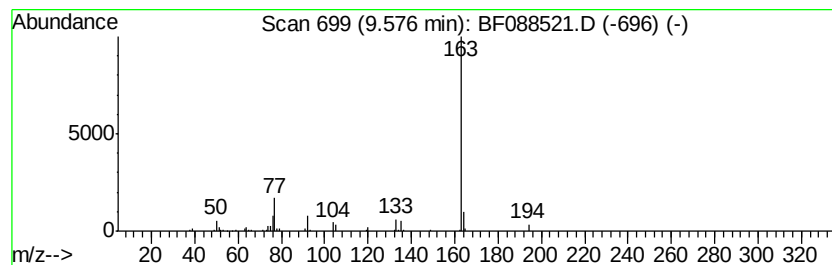
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Dimethyl phthalate Concentration Rank 19

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.58 | 2.68 ng | 115919 | Acenaphthene-d10 | 9.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Dimethyl phthalate                  | 194 | C10H10O4    | 000131-11-3  | 92   |
| 2    |    | Phthalic acid, 4-chloro-3-methyl... | 304 | C16H13ClO4  | 1000315-71-2 | 83   |
| 3    |    | Phthalic acid, 2-bromo-4-fluorop... | 352 | C15H10BrFO4 | 1000315-62-3 | 83   |
| 4    |    | Benzoic acid, 2-(1-oxopropyl)-, ... | 192 | C11H12O3    | 032025-37-9  | 83   |
| 5    |    | Phthalic acid, methyl 2-nitrophe... | 301 | C15H11NO6   | 1000315-68-3 | 83   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062916\  
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Sample : H3830-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

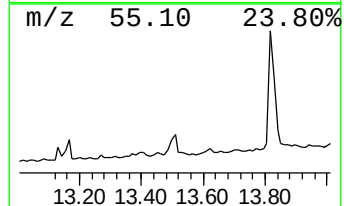
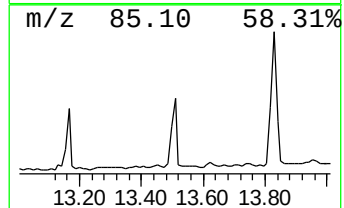
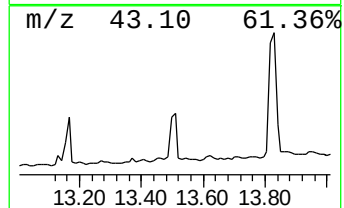
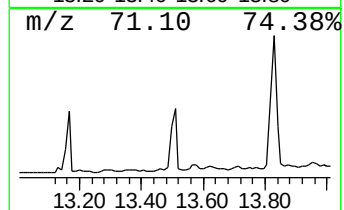
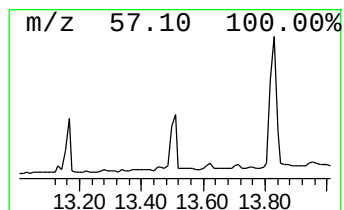
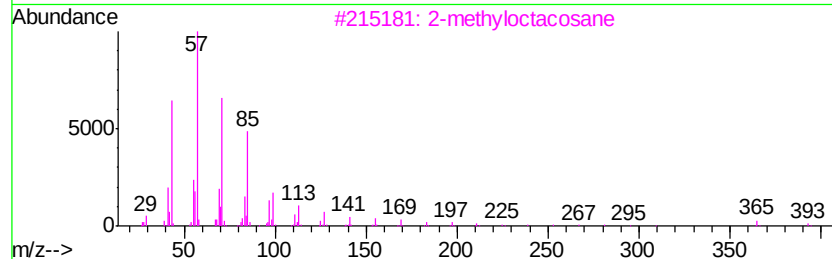
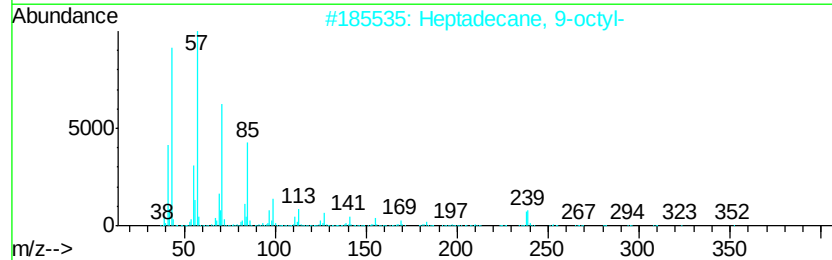
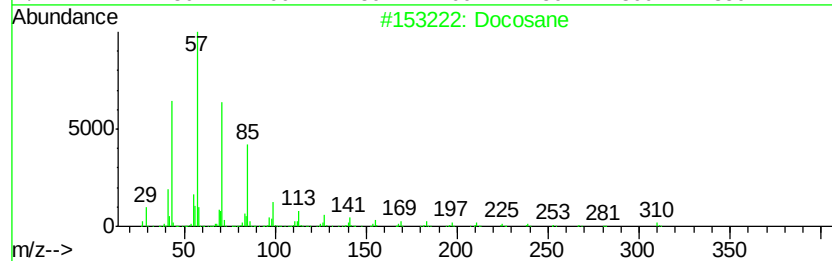
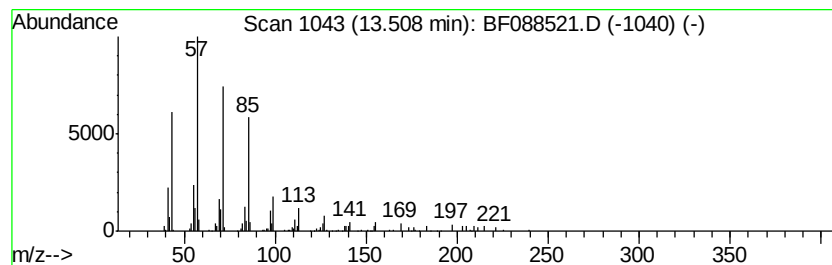
Instrument :  
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ClientSampleId :  
TILCON-GF-017

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Docosane Concentration Rank 20

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.            |
|---------|-----------------------|--------------|------------------|-----------------|
| 13.51   | 2.38 ng               | 109988       | Chrysene-d12     | 13.95           |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | Docosane              |              | 310 C22H46       | 000629-97-0 91  |
| 2       | Heptadecane, 9-octyl- |              | 352 C25H52       | 007225-64-1 90  |
| 3       | 2-methyloctacosane    |              | 408 C29H60       | 1000376-72-8 90 |
| 4       | Tetracosane           |              | 338 C24H50       | 000646-31-1 90  |
| 5       | triacontane           |              | 422 C30H62       | 000638-68-6 90  |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\  
Data File : BF088521.D  
Acq On : 30 Jun 2016 5:45  
Operator : UM/SJ  
Sample : H3830-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

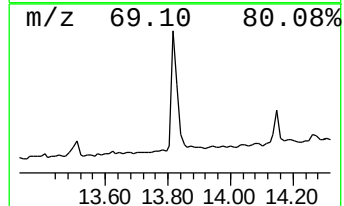
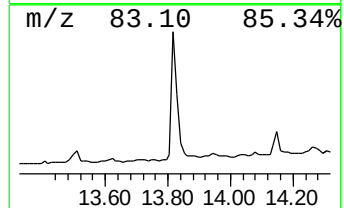
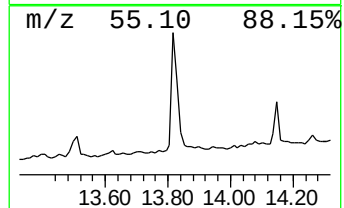
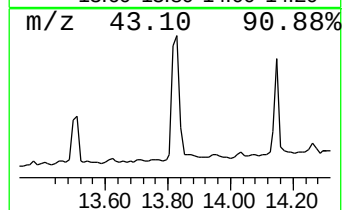
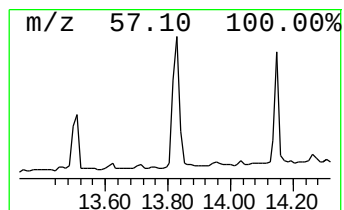
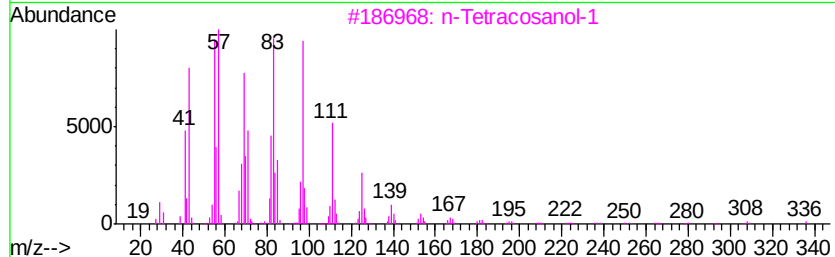
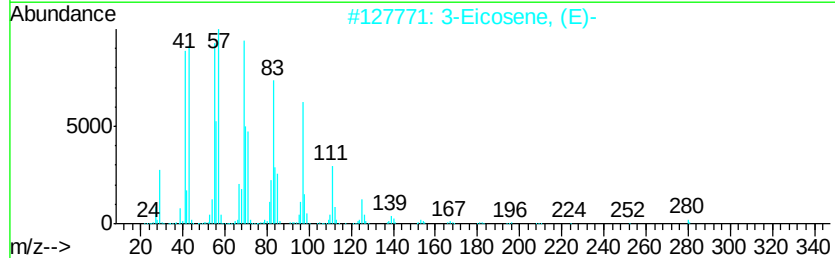
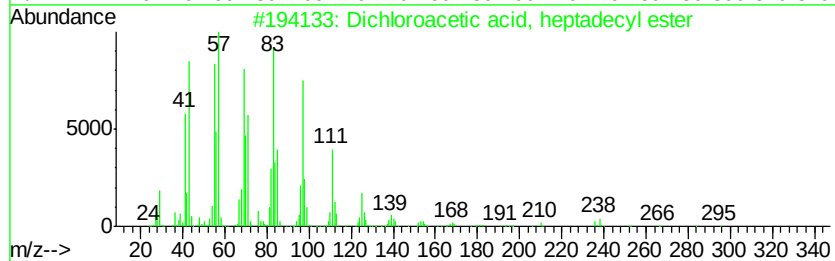
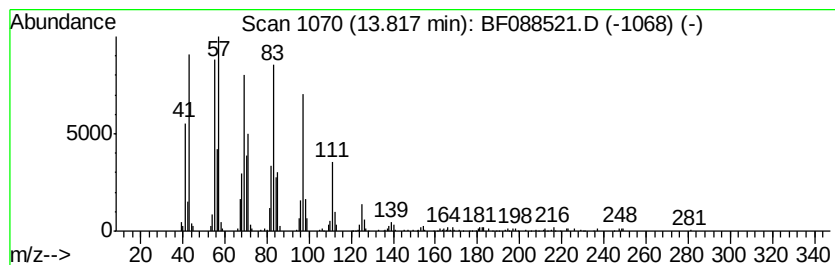
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Dichloroacetic acid, heptad... Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.82 | 9.14 ng | 422728 | Chrysene-d12     | 13.95 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 95   |
| 2    |    |   | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9  | 94   |
| 3    |    |   | n-Tetracosanol-1                    | 354 | C24H50O     | 000506-51-4  | 94   |
| 4    |    |   | Behenic alcohol                     | 326 | C22H46O     | 000661-19-8  | 94   |
| 5    |    |   | 1-Heneicosanol                      | 312 | C21H44O     | 015594-90-8  | 91   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\  
Data File : BF088521.D  
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Sample : H3830-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-GF-017

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

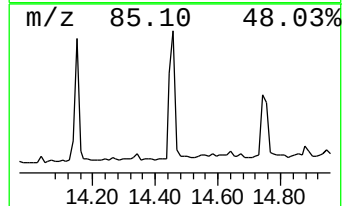
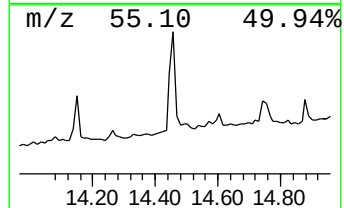
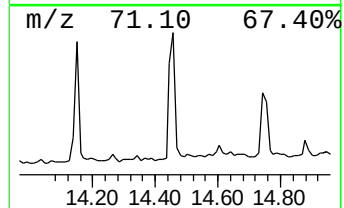
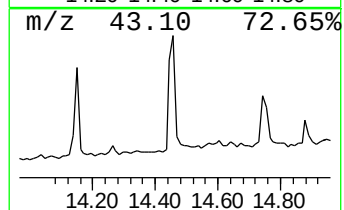
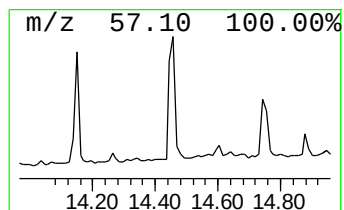
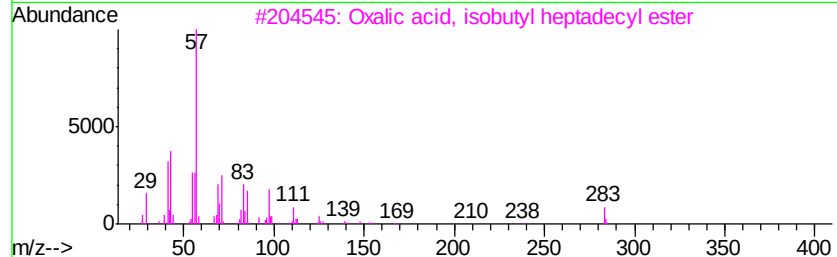
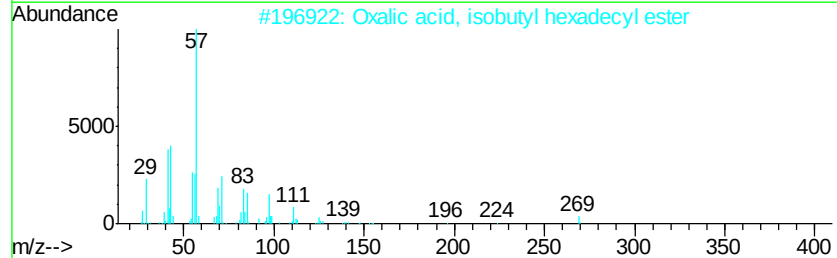
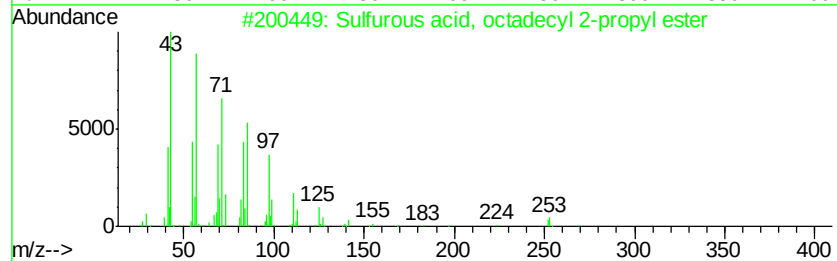
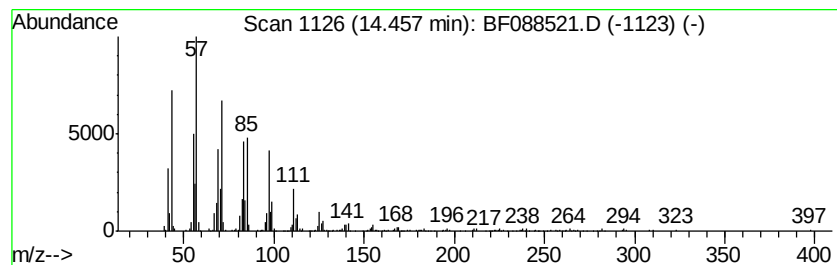
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Sulfurous acid, octadecyl 2... Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.46 | 8.09 ng | 374430 | Chrysene-d12     | 13.95 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Sulfurous acid, octadecyl 2-prop... | 376 | C21H44O3S | 1000309-12-7 | 91   |
| 2    |    | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4  | 1000309-38-1 | 91   |
| 3    |    | Oxalic acid, isobutyl heptadecyl... | 384 | C23H44O4  | 1000309-38-2 | 91   |
| 4    |    | Oxalic acid, isobutyl octadecyl ... | 398 | C24H46O4  | 1000309-38-3 | 91   |
| 5    |    | 1-Dodecanol, 2-octyl-               | 298 | C20H42O   | 005333-42-6  | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062916\  
Data File : BF088521.D  
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Sample : H3830-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-GF-017

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

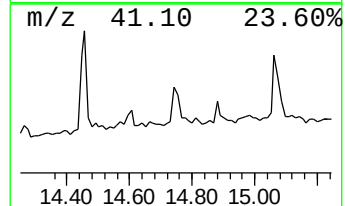
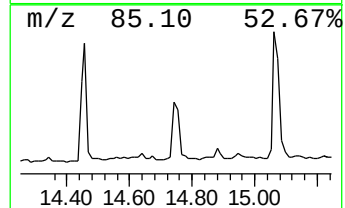
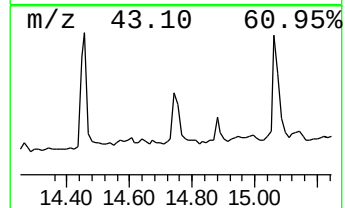
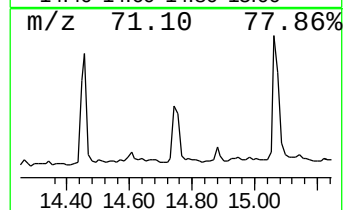
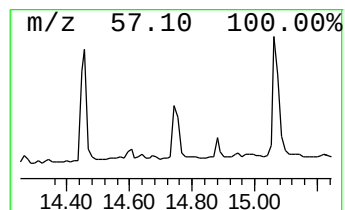
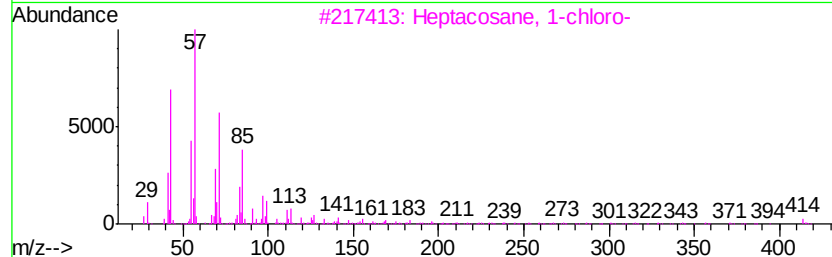
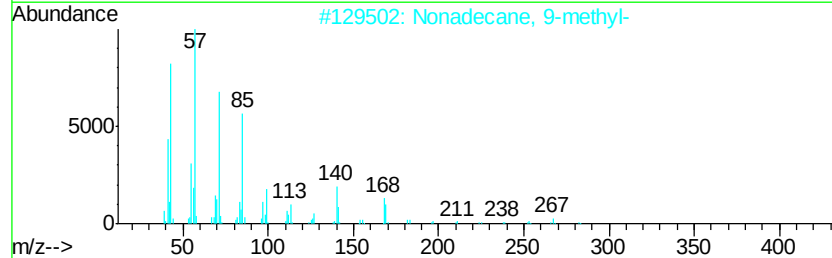
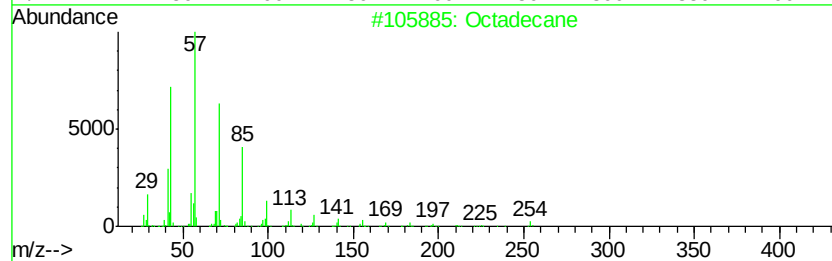
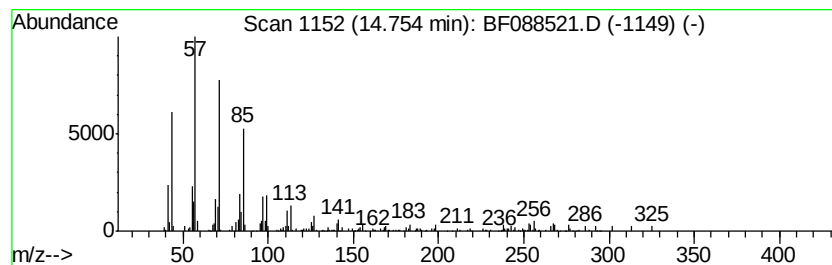
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Octadecane Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.75 | 4.02 ng | 143817 | Perylene-d12     | 15.36 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecane             | 254 | C18H38   | 000593-45-3 | 98   |
| 2    |    | Nonadecane, 9-methyl-  | 282 | C20H42   | 013287-24-6 | 93   |
| 3    |    | Heptacosane, 1-chloro- | 414 | C27H55Cl | 062016-79-9 | 91   |
| 4    |    | Tetratetracontane      | 619 | C44H90   | 007098-22-8 | 91   |
| 5    |    | Hexacosane             | 366 | C26H54   | 000630-01-3 | 90   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\  
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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

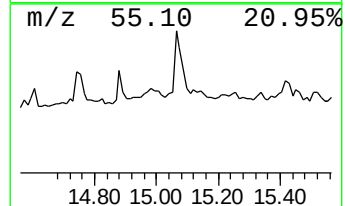
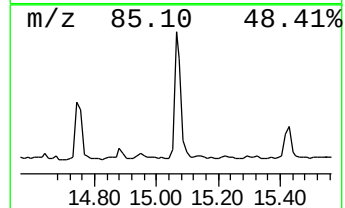
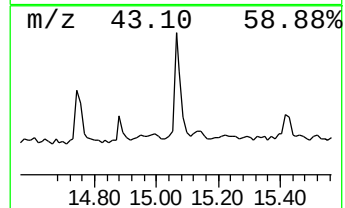
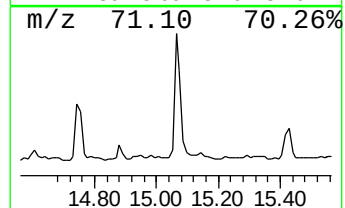
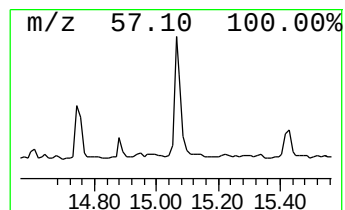
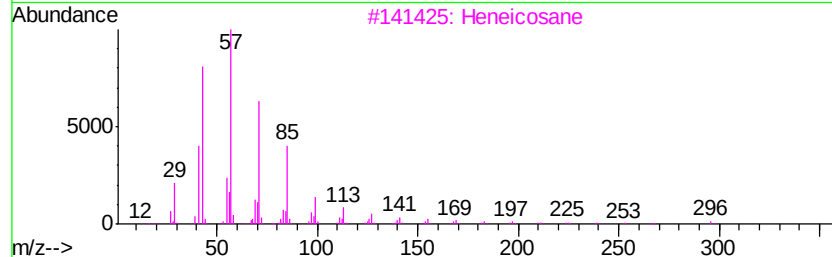
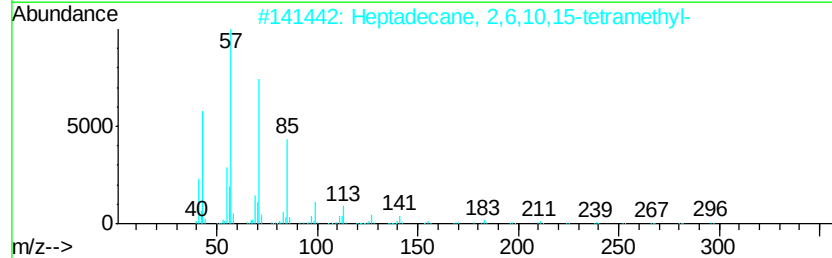
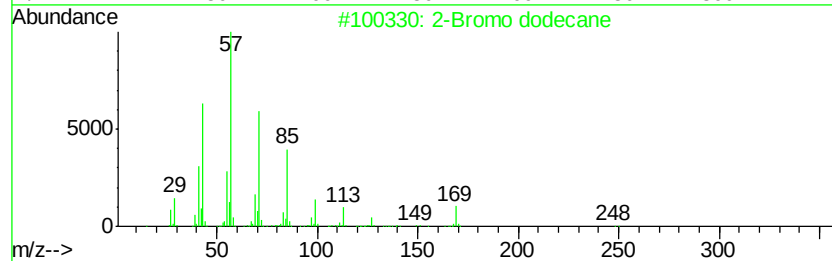
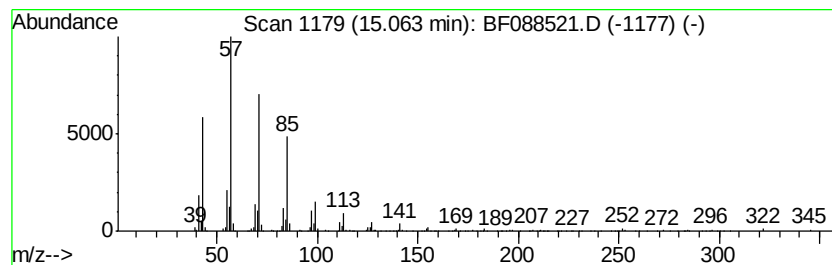
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 2-Bromo dodecane Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.06 | 7.47 ng | 267120 | Perylene-d12     | 15.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Bromo dodecane                    | 248 | C12H25Br | 013187-99-0 | 93   |
| 2    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44   | 054833-48-6 | 93   |
| 3    |    | Heneicosane                         | 296 | C21H44   | 000629-94-7 | 91   |
| 4    |    | Hexacosane                          | 366 | C26H54   | 000630-01-3 | 91   |
| 5    |    | Tridecane, 1-iodo-                  | 310 | C13H27I  | 035599-77-0 | 86   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\  
Data File : BF088521.D  
Acq On : 30 Jun 2016 5:45  
Operator : UM/SJ  
Sample : H3830-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-GF-017

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

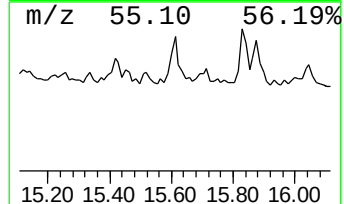
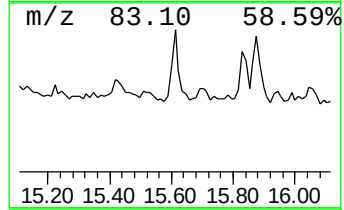
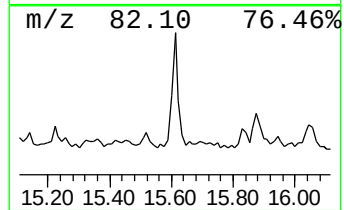
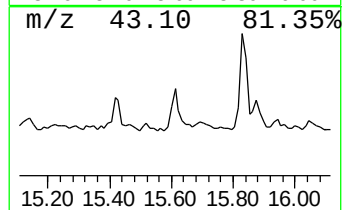
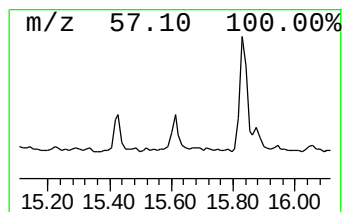
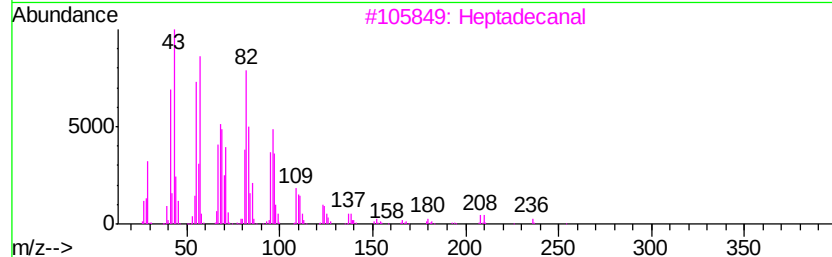
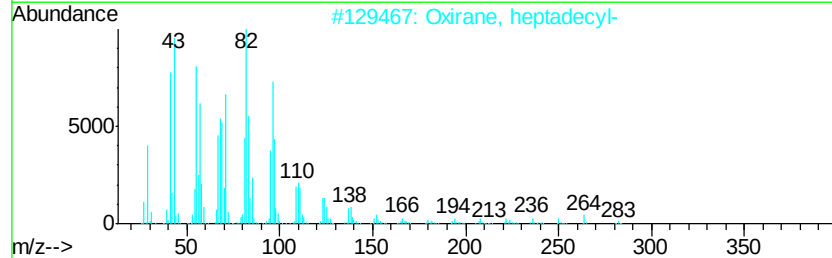
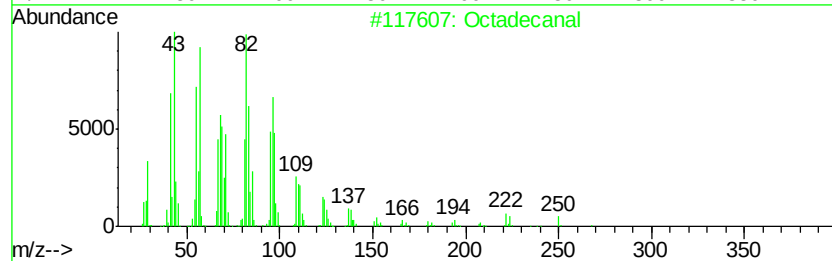
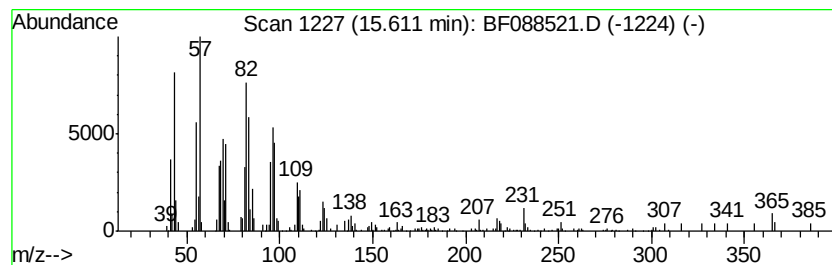
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Octadecanal Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.61 | 5.23 ng | 186964 | Perylene-d12     | 15.36 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------|-----|---------|--------------|------|
| 1    | 5  | Octadecanal          | 268 | C18H36O | 000638-66-4  | 90   |
| 2    |    | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2  | 87   |
| 3    |    | Heptadecanal         | 254 | C17H34O | 1000376-70-0 | 86   |
| 4    |    | Oxirane, hexadecyl-  | 268 | C18H36O | 007390-81-0  | 76   |
| 5    |    | 1,19-Eicosadiene     | 278 | C20H38  | 014811-95-1  | 68   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062916\  
Data File : BF088521.D  
Acq On : 30 Jun 2016 5:45  
Operator : UM/SJ  
Sample : H3830-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-GF-017

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

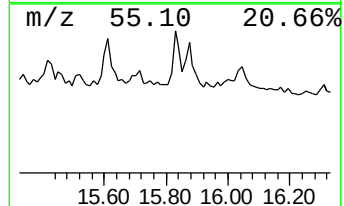
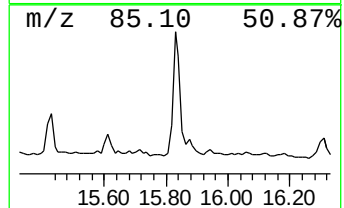
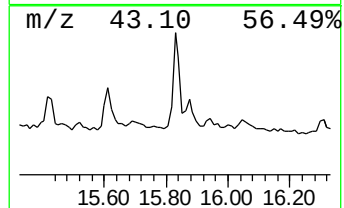
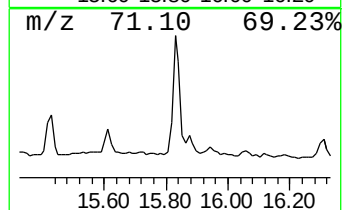
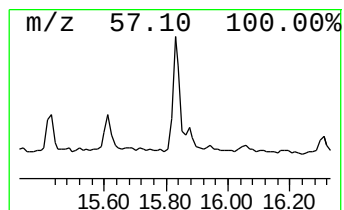
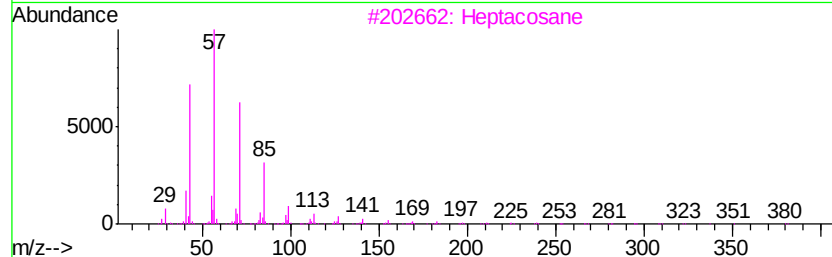
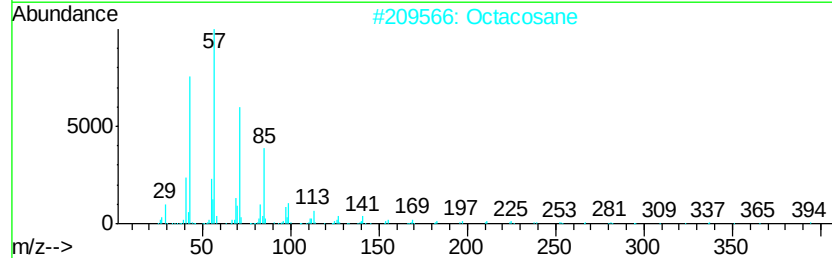
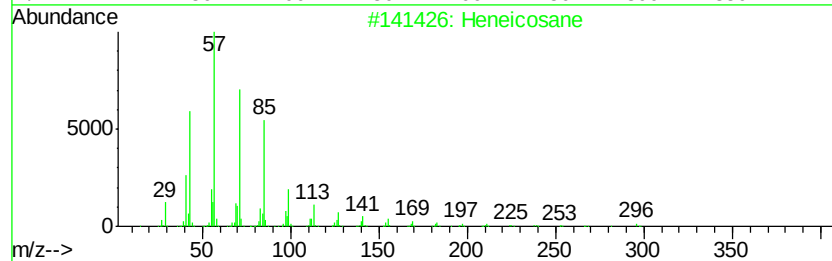
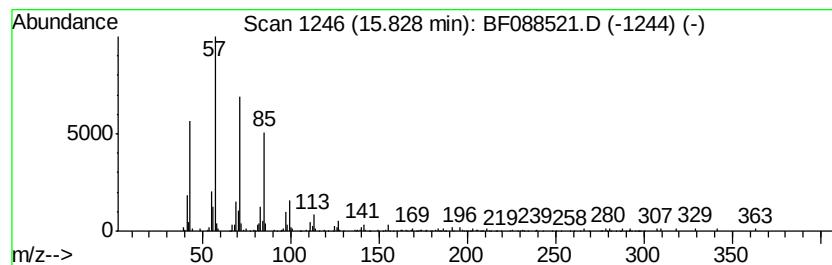
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Heneicosane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.83 | 5.89 ng | 210538 | Perylene-d12     | 15.36 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Heneicosane                         | 296 | C21H44    | 000629-94-7  | 74   |
| 2    |    |   | Octacosane                          | 394 | C28H58    | 000630-02-4  | 68   |
| 3    |    |   | Heptacosane                         | 380 | C27H56    | 000593-49-7  | 62   |
| 4    |    |   | Sulfurous acid, 2-ethylhexyl hep... | 432 | C25H52O3S | 1000309-20-0 | 58   |
| 5    |    |   | Eicosane, 3-methyl-                 | 296 | C21H44    | 006418-46-8  | 53   |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\  
Data File : BF088521.D  
Acq On : 30 Jun 2016 5:45  
Operator : UM/SJ  
Sample : H3830-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-GF-017

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

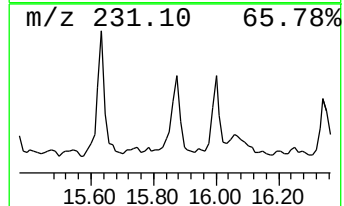
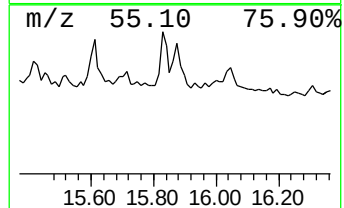
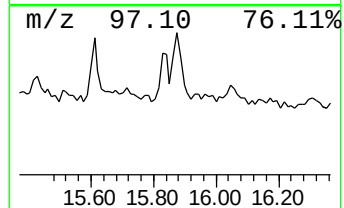
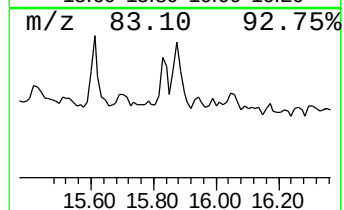
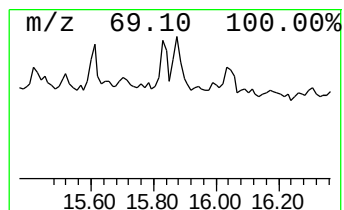
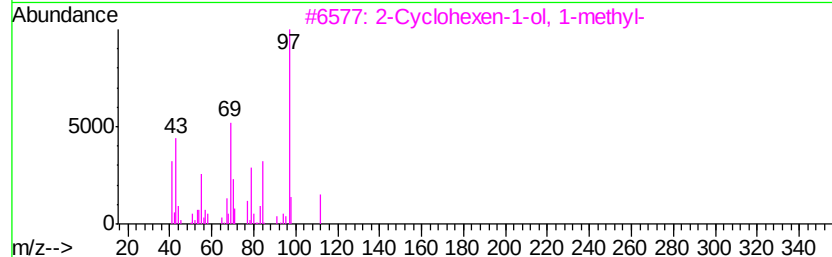
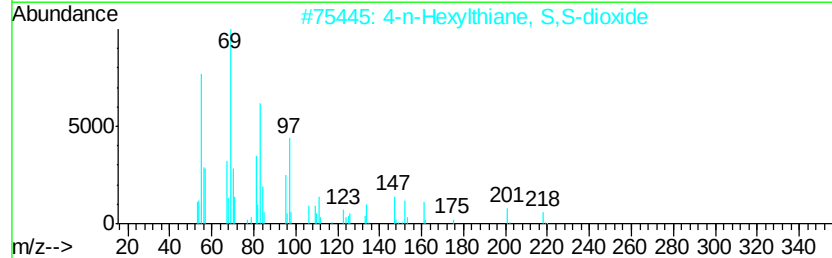
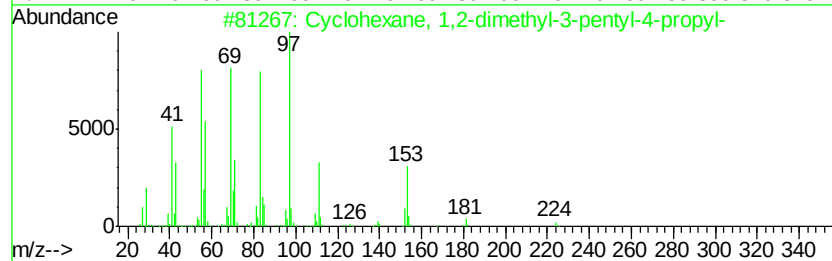
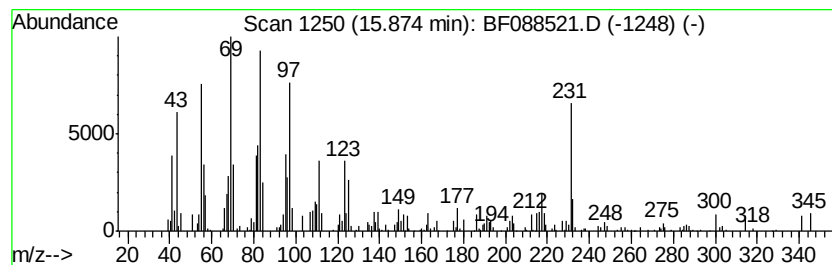
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown15.87 Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.87 | 4.29 ng | 153239 | Perylene-d12     | 15.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Cyclohexane, 1,2-dimethyl-3-pent... | 224 | C16H32    | 062376-17-4  | 47   |
| 2    |    | 4-n-Hexylthiane, S,S-dioxide        | 218 | C11H22O2S | 070928-52-8  | 43   |
| 3    |    | 2-Cyclohexen-1-ol, 1-methyl-        | 112 | C7H12O    | 023758-27-2  | 38   |
| 4    |    | Cyclopentanecarboxylic acid, 2-m... | 204 | C13H16O2  | 055229-43-1  | 30   |
| 5    |    | 1-Docosanol, methyl ether           | 340 | C23H48O   | 1000333-91-9 | 30   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062916\  
Data File : BF088521.D  
Acq On : 30 Jun 2016 5:45  
Operator : UM/SJ  
Sample : H3830-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

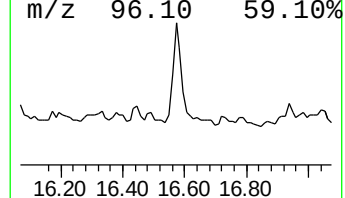
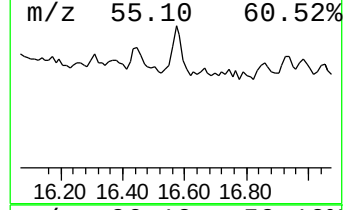
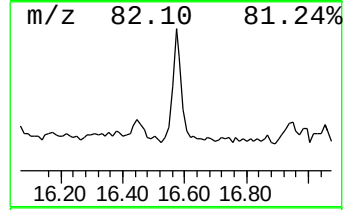
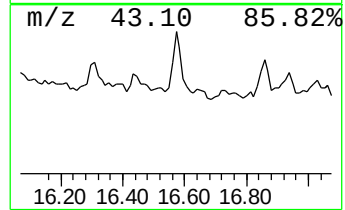
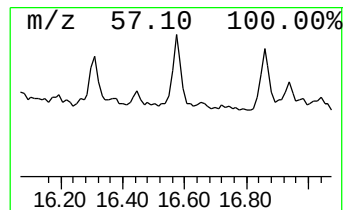
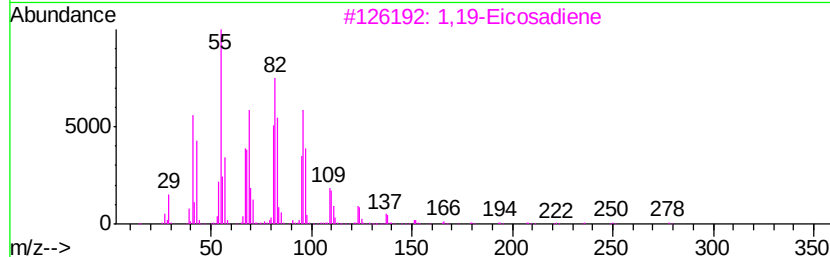
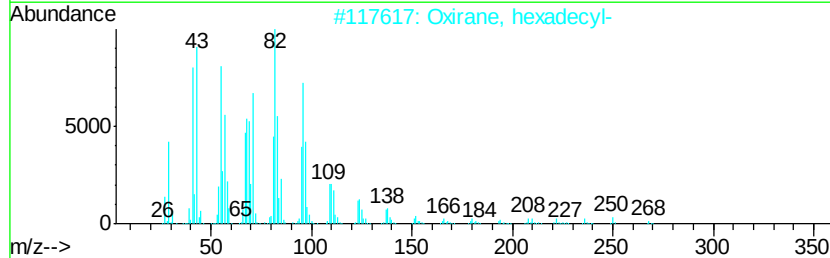
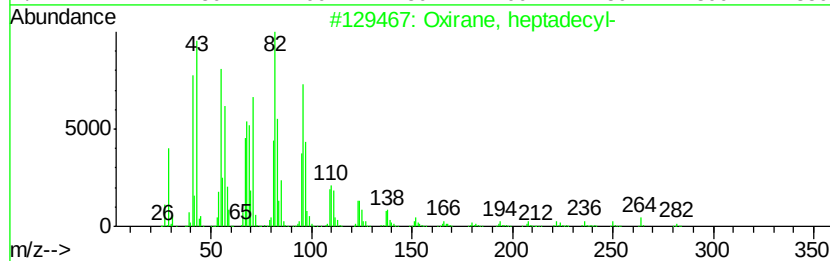
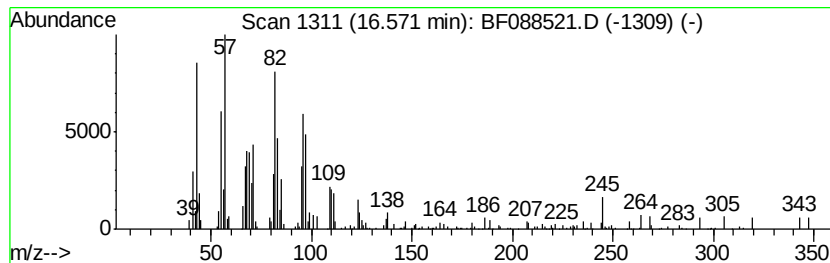
Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-GF-017

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 19 Oxirane, heptadecyl- Concentration Rank 17

| R.T.    | EstConc                   | Area         | Relative to ISTD | R.T.      |
|---------|---------------------------|--------------|------------------|-----------|
| 16.57   | 3.73 ng                   | 133342       | Perylene-d12     | 15.36     |
| Hit# of | 5                         | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Oxirane, heptadecyl-      | 282 C19H38O  | 067860-04-2      | 87        |
| 2       | Oxirane, hexadecyl-       | 268 C18H36O  | 007390-81-0      | 72        |
| 3       | 1,19-Eicosadiene          | 278 C20H38   | 014811-95-1      | 68        |
| 4       | (Z)-14-Tricosenyl formate | 366 C24H46O2 | 077899-10-6      | 64        |
| 5       | E-2-Tetradecen-1-ol       | 212 C14H28O  | 1000130-83-7     | 62        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062916\  
Data File : BF088521.D  
Acq On : 30 Jun 2016 5:45  
Operator : UM/SJ  
Sample : H3830-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-GF-017

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

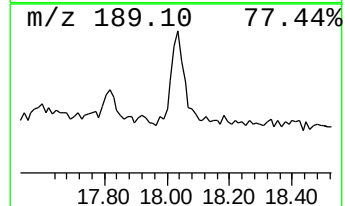
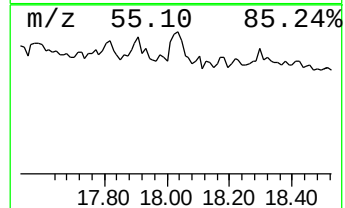
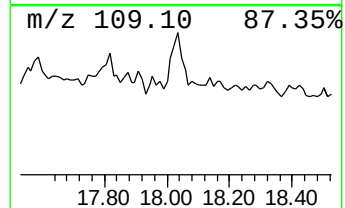
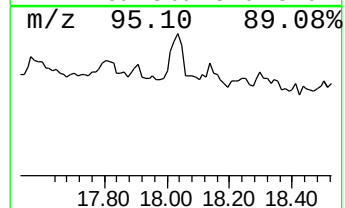
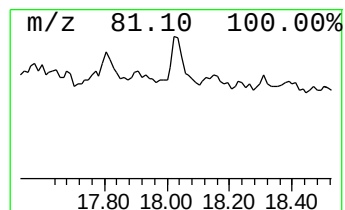
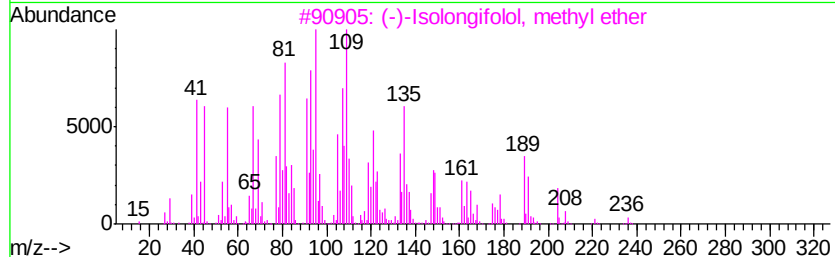
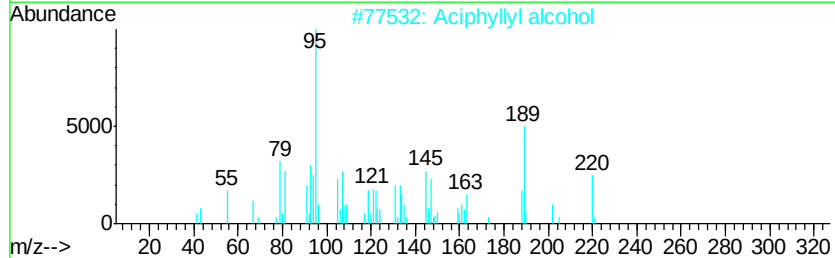
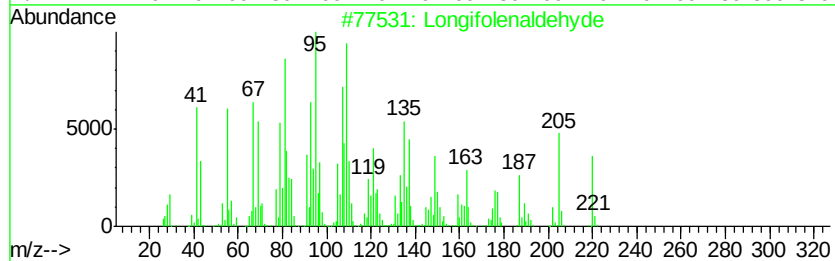
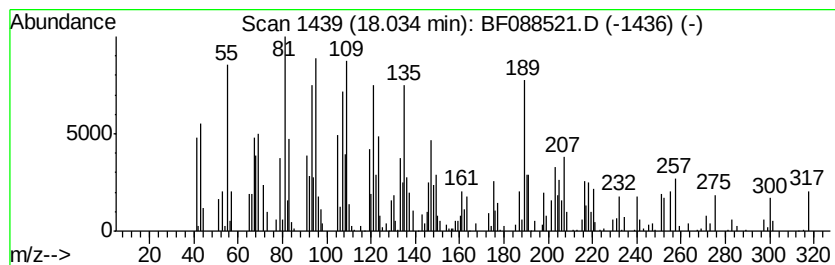
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Longifolenaldehyde Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.03 | 4.14 ng | 147944 | Perylene-d12     | 15.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Longifolenaldehyde                  | 220 | C15H24O    | 019890-84-7  | 59   |
| 2    |    | Aciphyllol alcohol                  | 220 | C15H24O    | 087745-29-7  | 42   |
| 3    |    | (-)-Isolongifolol, methyl ether     | 236 | C16H28O    | 1000333-80-8 | 38   |
| 4    |    | 5-Bromo-4-oxo-4,5,6,7-tetrahydro... | 216 | C6H5BrN2O2 | 300574-36-1  | 27   |
| 5    |    | Levomenol                           | 222 | C15H26O    | 023089-26-1  | 27   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062916\  
 Data File : BF088521.D  
 Acq On : 30 Jun 2016 5:45  
 Operator : UM/SJ  
 Sample : H3830-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-GF-017

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown1.67          | 1.67  | 51.6 ng |       | 2104280  | 1                     | 6.82  | 816297 | 20.0 |
| Propane, 1,1-dime... | 2.07  | 16.7 ng |       | 681327   | 1                     | 6.82  | 816297 | 20.0 |
| unknown5.00          | 5.00  | 14.2 ng |       | 579184   | 1                     | 6.82  | 816297 | 20.0 |
| unknown6.58          | 6.58  | 62.3 ng |       | 2540630  | 1                     | 6.82  | 816297 | 20.0 |
| Ethanol, 2-phenoxy-  | 8.25  | 6.1 ng  |       | 280794   | 2                     | 8.10  | 920216 | 20.0 |
| Dimethyl phthalate   | 9.58  | 2.7 ng  |       | 115919   | 3                     | 9.85  | 866366 | 20.0 |
| Docosane             | 13.51 | 2.4 ng  |       | 109988   | 5                     | 13.95 | 925365 | 20.0 |
| Dichloroacetic ac... | 13.82 | 9.1 ng  |       | 422728   | 5                     | 13.95 | 925365 | 20.0 |
| Sulfurous acid, o... | 14.46 | 8.1 ng  |       | 374430   | 5                     | 13.95 | 925365 | 20.0 |
| Octadecane           | 14.75 | 4.0 ng  |       | 143817   | 6                     | 15.36 | 715020 | 20.0 |
| 2-Bromo dodecane     | 15.06 | 7.5 ng  |       | 267120   | 6                     | 15.36 | 715020 | 20.0 |
| Octadecanal          | 15.61 | 5.2 ng  |       | 186964   | 6                     | 15.36 | 715020 | 20.0 |
| Heneicosane          | 15.83 | 5.9 ng  |       | 210538   | 6                     | 15.36 | 715020 | 20.0 |
| unknown15.87         | 15.87 | 4.3 ng  |       | 153239   | 6                     | 15.36 | 715020 | 20.0 |
| Oxirane, heptadecyl- | 16.57 | 3.7 ng  |       | 133342   | 6                     | 15.36 | 715020 | 20.0 |
| Longifolenaldehyde   | 18.03 | 4.1 ng  |       | 147944   | 6                     | 15.36 | 715020 | 20.0 |