

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\  
 Data File : BF088561.D  
 Acq On : 1 Jul 2016 6:38  
 Operator : UM/SJ  
 Sample : H3747-08  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C8-B4(0-4.5)C

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

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

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.690       | 5             | 9           | 11           | rVB      | 5001308        | 7159732       | 100.00%         | 16.433%       |
| 2         | 1.735       | 12            | 13          | 23           | rVV      | 331182         | 684009        | 9.55%           | 1.570%        |
| 3         | 1.872       | 23            | 25          | 41           | rVV      | 2092092        | 3586351       | 50.09%          | 8.231%        |
| 4         | 2.078       | 41            | 43          | 58           | rVB      | 106538         | 280170        | 3.91%           | 0.643%        |
| 5         | 3.084       | 128           | 131         | 137          | rBV      | 51392          | 110236        | 1.54%           | 0.253%        |
| 6         | 5.004       | 296           | 299         | 303          | rBV      | 178931         | 246132        | 3.44%           | 0.565%        |
| 7         | 5.416       | 332           | 335         | 338          | rBV      | 2497116        | 2909584       | 40.64%          | 6.678%        |
| 8         | 6.456       | 422           | 426         | 428          | rBV      | 2770363        | 3567168       | 49.82%          | 8.187%        |
| 9         | 6.581       | 434           | 437         | 440          | rBV      | 2450990        | 3098176       | 43.27%          | 7.111%        |
| 10        | 6.822       | 455           | 458         | 460          | rBV      | 855363         | 886719        | 12.38%          | 2.035%        |
| 11        | 6.970       | 469           | 471         | 474          | rVB      | 1900925        | 2499015       | 34.90%          | 5.736%        |
| 12        | 7.382       | 504           | 507         | 509          | rBV      | 2072958        | 2050729       | 28.64%          | 4.707%        |
| 13        | 8.102       | 567           | 570         | 572          | rBV      | 1417104        | 1189751       | 16.62%          | 2.731%        |
| 14        | 9.176       | 661           | 664         | 667          | rBV      | 2727482        | 3331363       | 46.53%          | 7.646%        |
| 15        | 9.565       | 697           | 698         | 701          | rBV      | 126517         | 165023        | 2.30%           | 0.379%        |
| 16        | 9.850       | 721           | 723         | 725          | rBV      | 1285080        | 1179887       | 16.48%          | 2.708%        |
| 17        | 10.639      | 789           | 792         | 794          | rBV      | 1688942        | 1712094       | 23.91%          | 3.929%        |
| 18        | 11.211      | 840           | 842         | 848          | rVB      | 73375          | 84590         | 1.18%           | 0.194%        |
| 19        | 11.325      | 850           | 852         | 856          | rVV      | 780882         | 1101097       | 15.38%          | 2.527%        |
| 20        | 11.862      | 897           | 899         | 901          | rBV      | 93057          | 126810        | 1.77%           | 0.291%        |
| 21        | 12.022      | 911           | 913         | 920          | rVB2     | 38033          | 71609         | 1.00%           | 0.164%        |
| 22        | 12.536      | 956           | 958         | 960          | rBV      | 285971         | 243636        | 3.40%           | 0.559%        |
| 23        | 12.754      | 974           | 977         | 979          | rBV2     | 320470         | 543941        | 7.60%           | 1.248%        |
| 24        | 12.822      | 979           | 983         | 985          | rVB3     | 95011          | 125714        | 1.76%           | 0.289%        |
| 25        | 12.914      | 989           | 991         | 994          | rVB      | 2309917        | 2214838       | 30.93%          | 5.083%        |
| 26        | 13.154      | 1009          | 1012        | 1014         | rBV      | 63007          | 86268         | 1.20%           | 0.198%        |
| 27        | 13.451      | 1036          | 1038        | 1040         | rVV      | 191724         | 174405        | 2.44%           | 0.400%        |
| 28        | 13.496      | 1040          | 1042        | 1047         | rVB2     | 73926          | 121971        | 1.70%           | 0.280%        |
| 29        | 13.702      | 1056          | 1060        | 1062         | rBV3     | 35246          | 74250         | 1.04%           | 0.170%        |
| 30        | 13.828      | 1069          | 1071        | 1074         | rBV      | 216533         | 223443        | 3.12%           | 0.513%        |
| 31        | 13.954      | 1079          | 1082        | 1087         | rBV2     | 923768         | 1129934       | 15.78%          | 2.593%        |
| 32        | 14.148      | 1096          | 1099        | 1100         | rBV      | 70590          | 103473        | 1.45%           | 0.237%        |
| 33        | 14.445      | 1123          | 1125        | 1131         | rBV3     | 109438         | 258580        | 3.61%           | 0.593%        |
| 34        | 14.742      | 1149          | 1151        | 1153         | rBV      | 88380          | 76191         | 1.06%           | 0.175%        |

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Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
C8-B4(0-4.5)C

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

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

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 14.879 | 1161 | 1163 | 1165 | rBV  | 141598 | 158324 | 2.21%  | 0.363% |
| 36 | 14.959 | 1168 | 1170 | 1175 | rVB  | 130061 | 263829 | 3.68%  | 0.606% |
| 37 | 15.062 | 1177 | 1179 | 1180 | rVV  | 132304 | 135507 | 1.89%  | 0.311% |
| 38 | 15.097 | 1180 | 1182 | 1187 | rVB2 | 115724 | 183197 | 2.56%  | 0.420% |
| 39 | 15.245 | 1193 | 1195 | 1197 | rVV  | 67685  | 75908  | 1.06%  | 0.174% |
| 40 | 15.302 | 1197 | 1200 | 1202 | rVV  | 94449  | 137548 | 1.92%  | 0.316% |
| 41 | 15.359 | 1202 | 1205 | 1208 | rVV  | 614340 | 837974 | 11.70% | 1.923% |
| 42 | 15.417 | 1209 | 1210 | 1216 | rVB  | 77887  | 105174 | 1.47%  | 0.241% |
| 43 | 15.600 | 1224 | 1226 | 1230 | rBV2 | 53253  | 102114 | 1.43%  | 0.234% |
| 44 | 15.828 | 1243 | 1246 | 1248 | rBV  | 91594  | 153965 | 2.15%  | 0.353% |

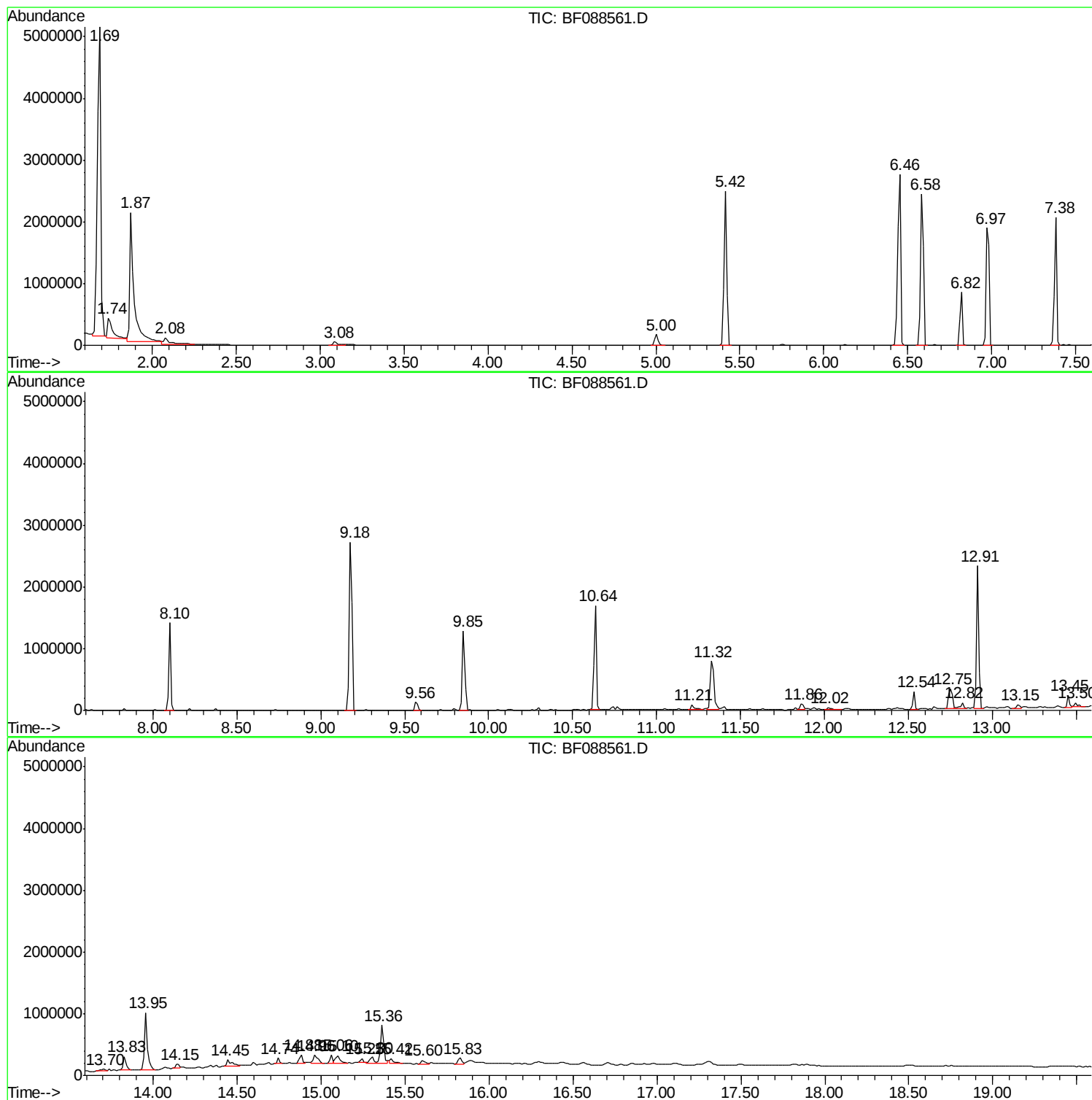
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Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
C8-B4(0-4.5)C

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

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
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Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
C8-B4(0-4.5)C

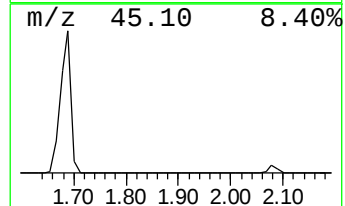
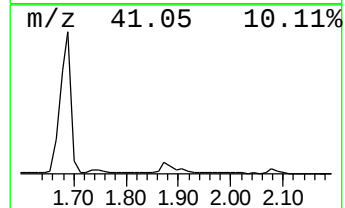
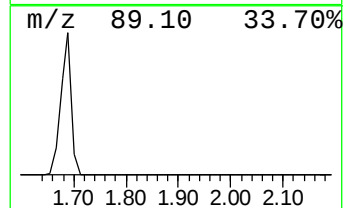
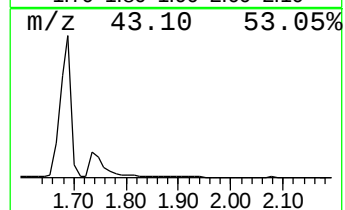
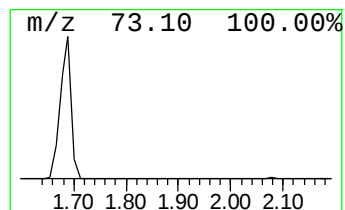
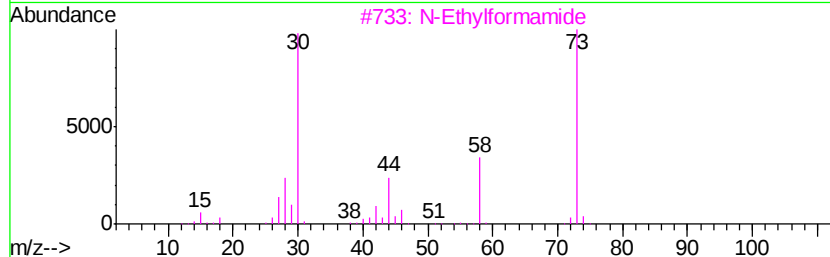
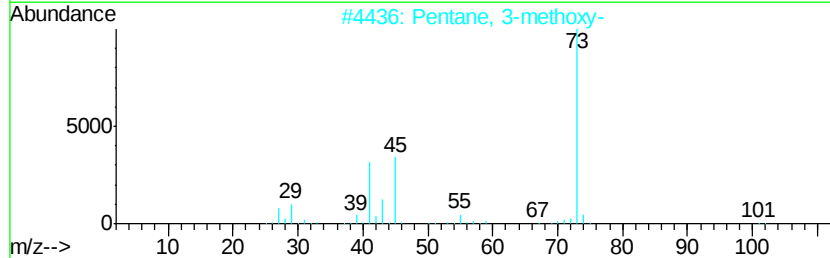
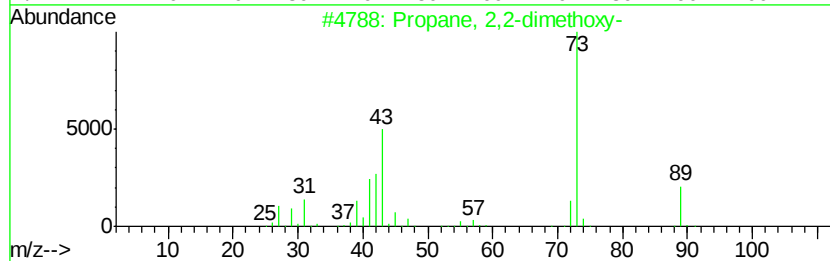
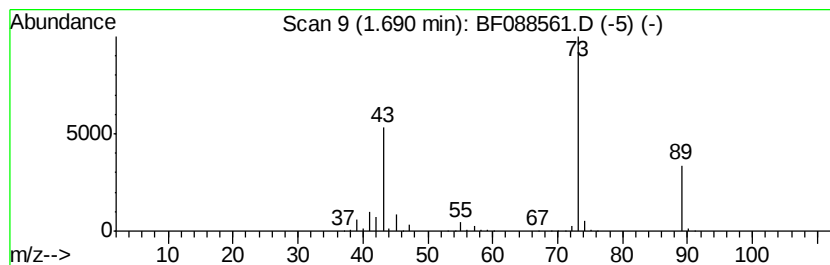
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 1.69 | 161.49 ng | 7159730 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 56   |
| 2    |    |   | Pentane, 3-methoxy-     | 102 | C6H14O  | 036839-67-5 | 17   |
| 3    |    |   | N-Ethylformamide        | 73  | C3H7NO  | 000627-45-2 | 9    |
| 4    |    |   | 1-Propanol, 2-methyl-   | 74  | C4H10O  | 000078-83-1 | 9    |
| 5    |    |   | 1,3-Diaminoguanidine    | 89  | CH7N5   | 004364-78-7 | 9    |



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Instrument :  
BNA\_F  
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C8-B4(0-4.5)C

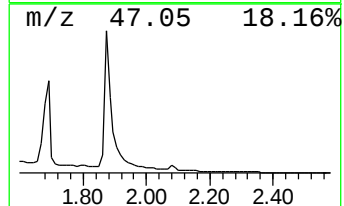
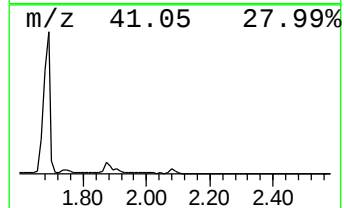
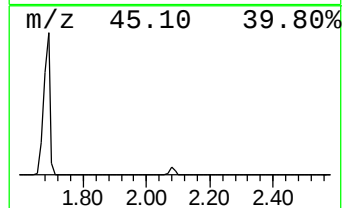
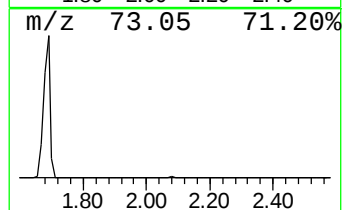
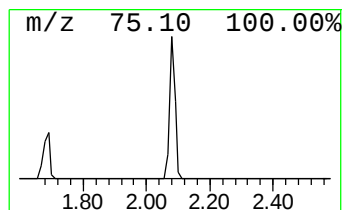
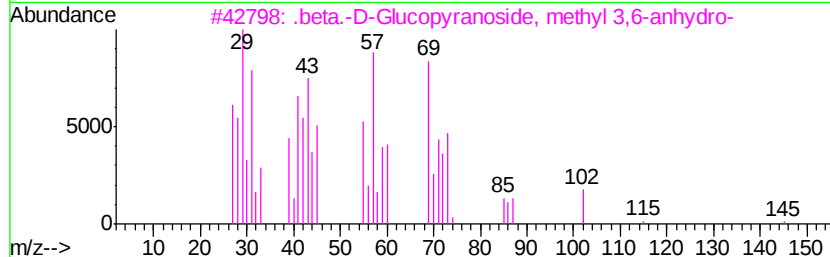
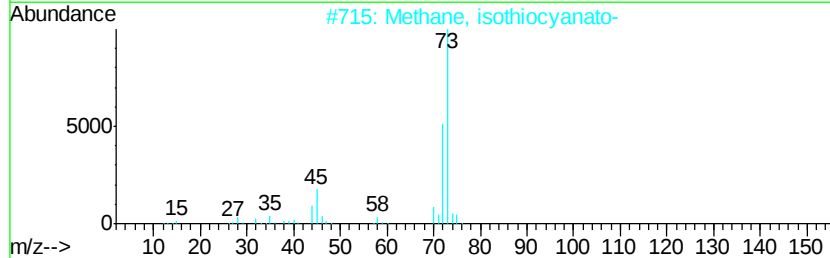
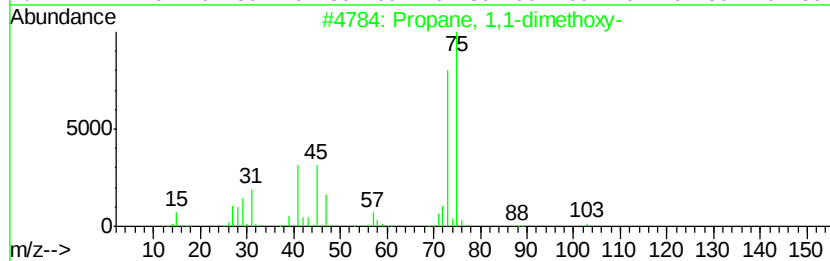
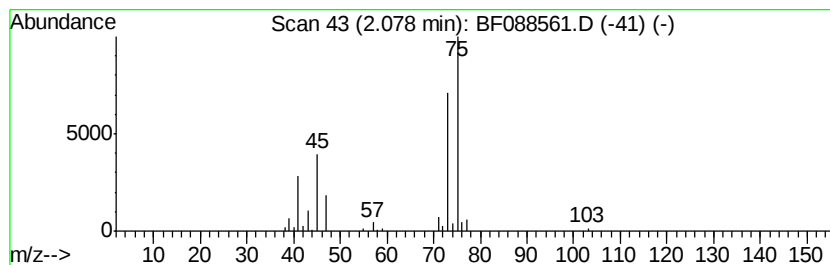
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Propane, 1,1-dimethoxy- Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.08 | 6.32 ng | 280170 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Propane, 1,1-dimethoxy-             | 104 | C5H12O2  | 004744-10-9 | 64   |
| 2    |    |   | Methane, isothiocyanato-            | 73  | C2H3NS   | 000556-61-6 | 9    |
| 3    |    |   | .beta.-D-Glucopyranoside, methyl... | 176 | C7H12O5  | 003056-46-0 | 9    |
| 4    |    |   | Ethane, 2-chloro-1,1-dimethoxy-     | 124 | C4H9ClO2 | 000097-97-2 | 9    |
| 5    |    |   | Propane, 1,1-dimethoxy-2-methyl-    | 118 | C6H14O2  | 041632-89-7 | 9    |



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Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
C8-B4(0-4.5)C

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

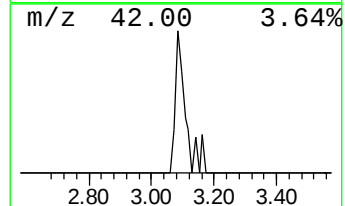
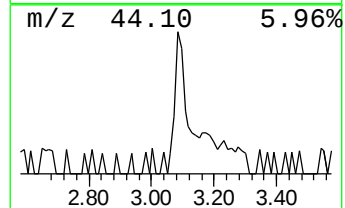
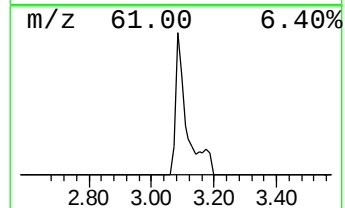
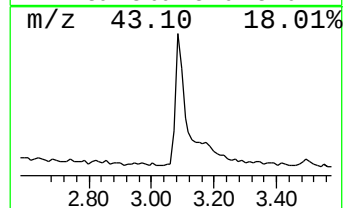
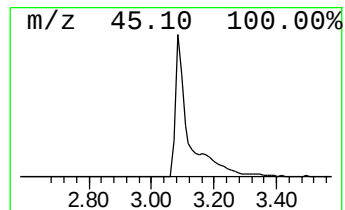
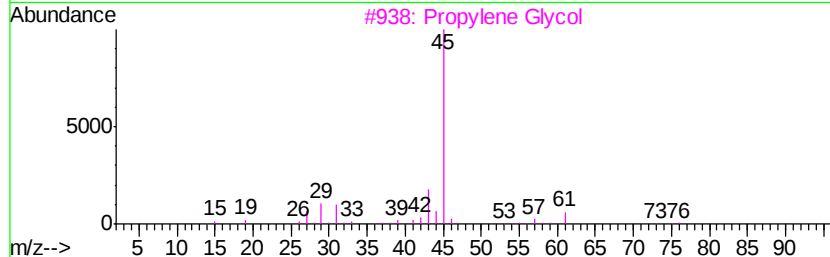
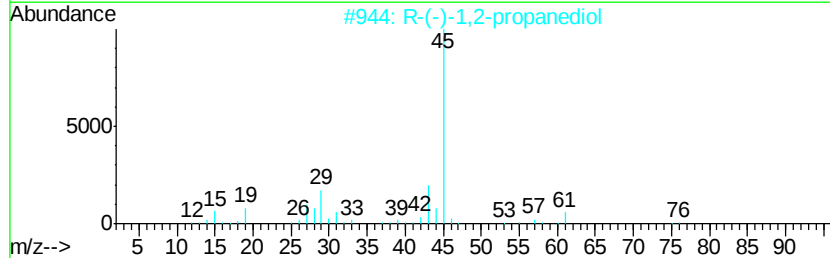
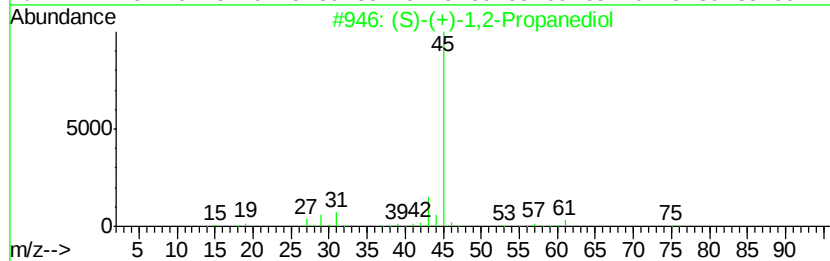
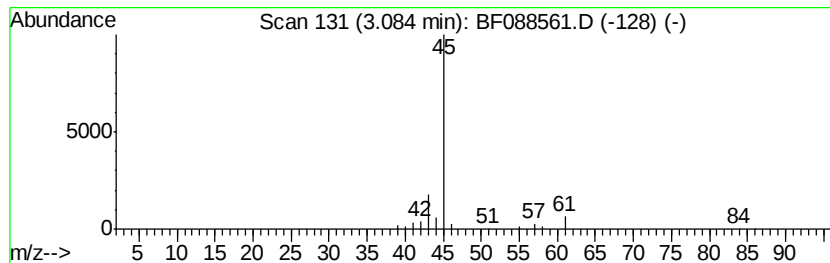
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (S)-(+)-1,2-Propanediol Concentration Rank 16

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 3.08 | 2.49 ng | 110236 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | (S)-(+)-1,2-Propanediol | 76  | C3H8O2  | 004254-15-3 | 64   |
| 2    |    | R-(-)-1,2-propanediol   | 76  | C3H8O2  | 004254-14-2 | 43   |
| 3    |    | Propylene Glycol        | 76  | C3H8O2  | 000057-55-6 | 9    |
| 4    |    | Isopropyl Alcohol       | 60  | C3H8O   | 000067-63-0 | 9    |
| 5    |    | 2-Heptanol              | 116 | C7H16O  | 000543-49-7 | 9    |



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ALS Vial : 32 Sample Multiplier: 1

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BNA\_F  
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C8-B4(0-4.5)C

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

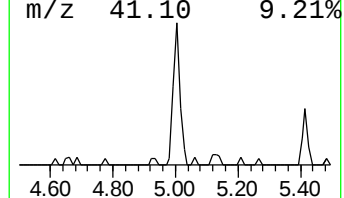
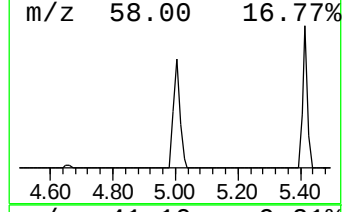
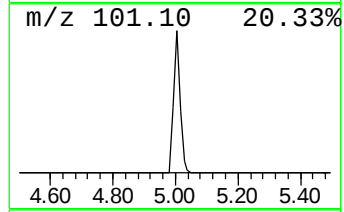
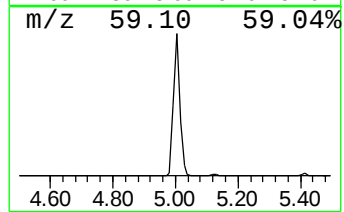
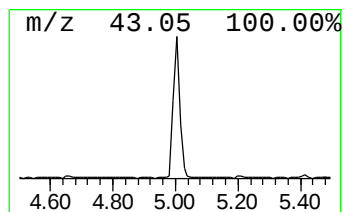
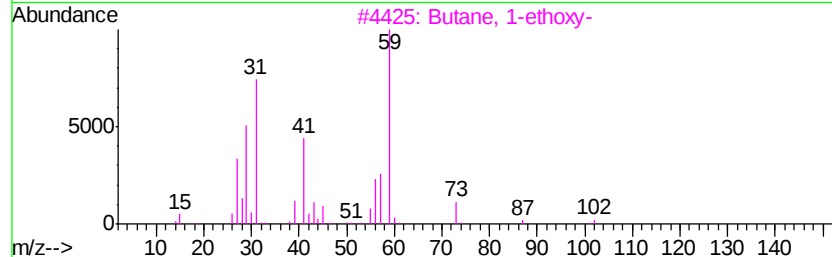
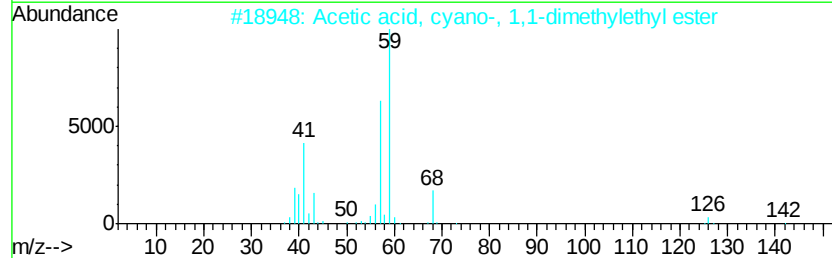
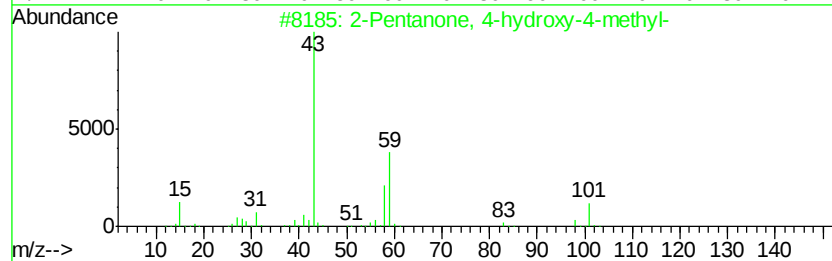
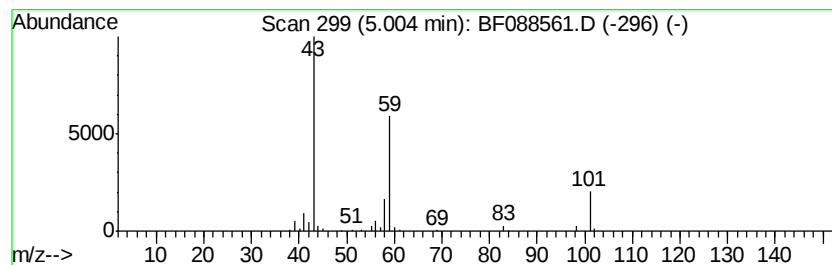
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.00 | 5.55 ng | 246132 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|------|--------------------------------------|-----|----------|-------------|------|
| 1    |      | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 53   |
| 2    |      | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |      | Butane, 1-ethoxy-                    | 102 | C6H14O   | 000628-81-9 | 9    |
| 4    |      | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 5    |      | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\  
Data File : BF088561.D  
Acq On : 1 Jul 2016 6:38  
Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
C8-B4(0-4.5)C

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

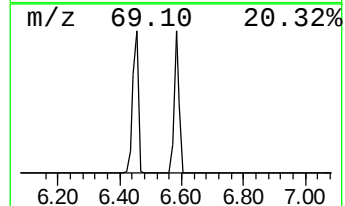
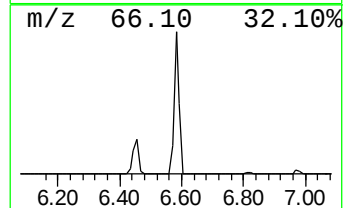
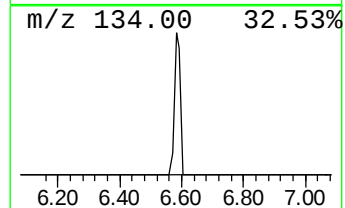
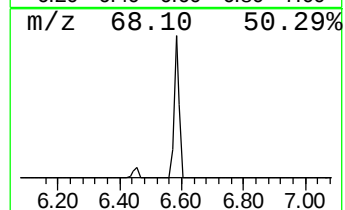
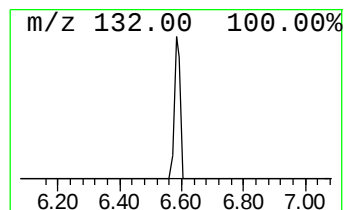
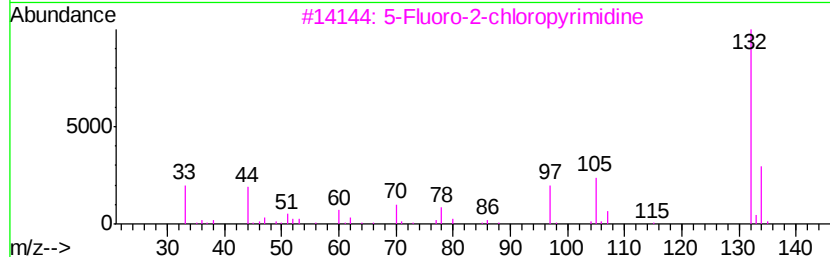
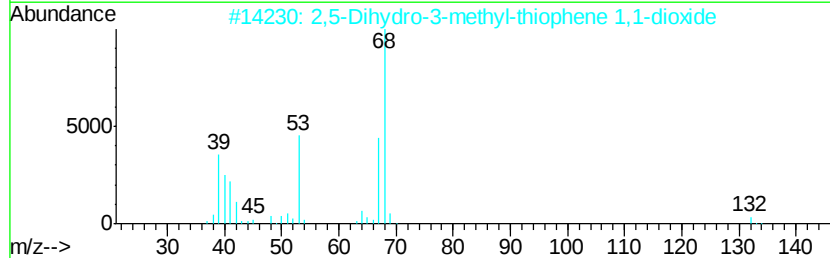
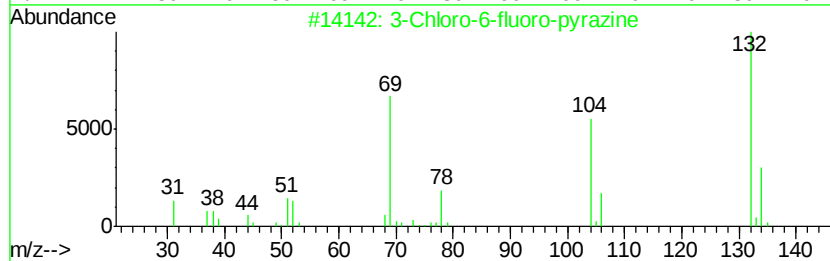
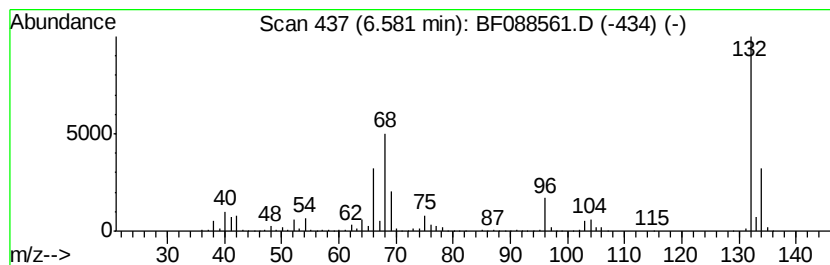
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown6.58 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.58 | 69.88 ng | 3098180 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 2,5-Dihydro-3-methyl-thiophene 1... | 132 | C5H8O2S   | 001193-10-8  | 17   |
| 3    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 4    |    | Cyclopropanamine, 1-phenyl-         | 133 | C9H11N    | 1000351-26-2 | 10   |
| 5    |    | 2-Cyclohexen-1-one                  | 96  | C6H8O     | 000930-68-7  | 10   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
Data File : BF088561.D  
Acq On : 1 Jul 2016 6:38  
Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
C8-B4(0-4.5)C

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

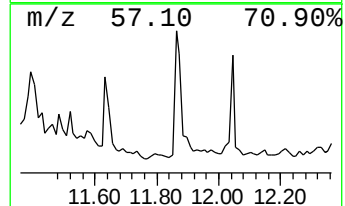
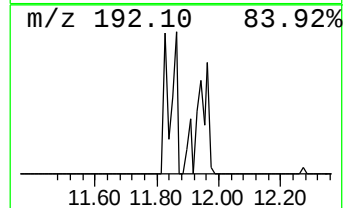
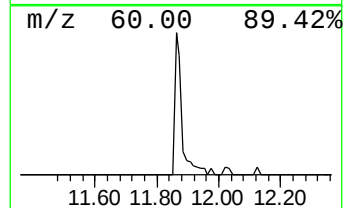
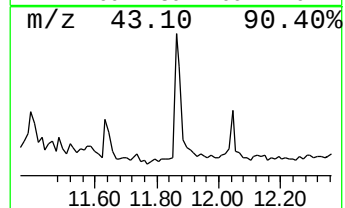
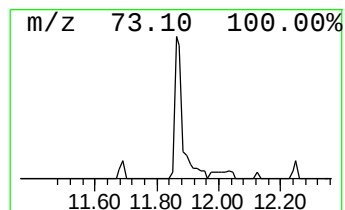
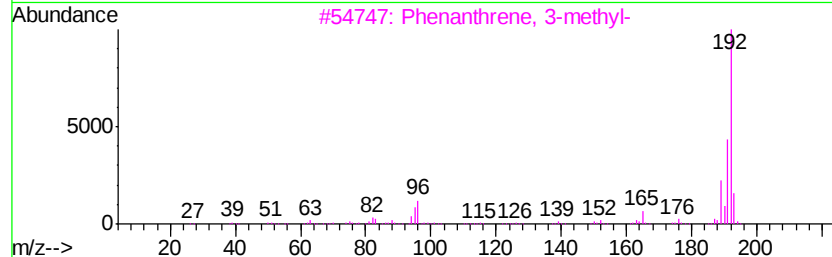
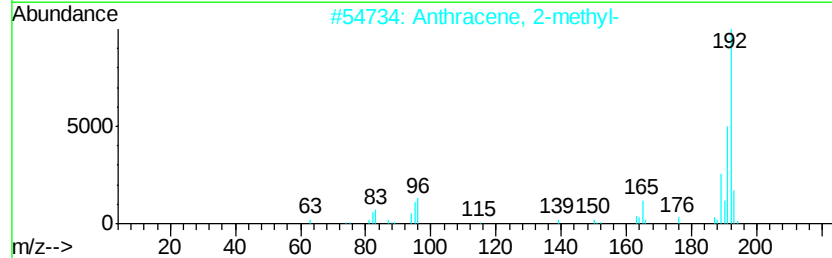
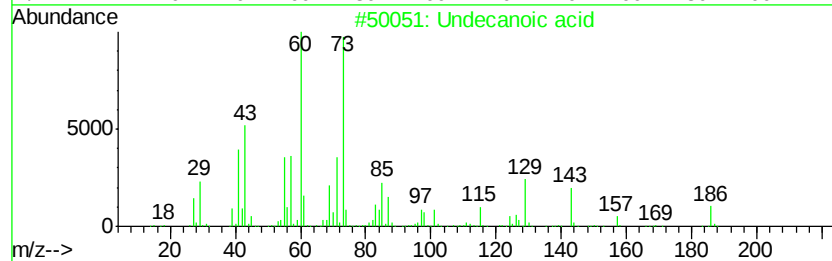
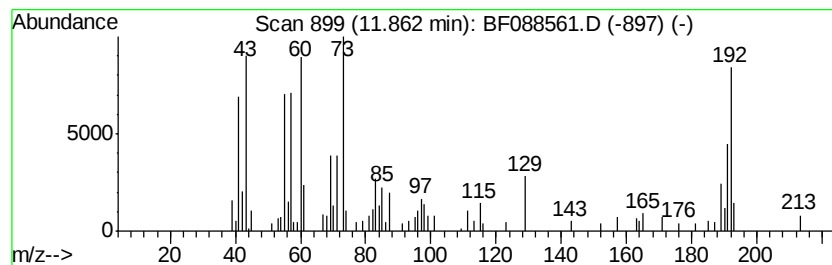
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown11.86 Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.86 | 2.30 ng | 126810 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------|-----|----------|-------------|------|
| 1    | 5  | Undecanoic acid         | 186 | C11H22O2 | 000112-37-8 | 46   |
| 2    |    | Anthracene, 2-methyl-   | 192 | C15H12   | 000613-12-7 | 41   |
| 3    |    | Phenanthrene, 3-methyl- | 192 | C15H12   | 000832-71-3 | 35   |
| 4    |    | Anthracene, 9-methyl-   | 192 | C15H12   | 000779-02-2 | 35   |
| 5    |    | Anthracene, 1-methyl-   | 192 | C15H12   | 000610-48-0 | 35   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\  
Data File : BF088561.D  
Acq On : 1 Jul 2016 6:38  
Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
C8-B4(0-4.5)C

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

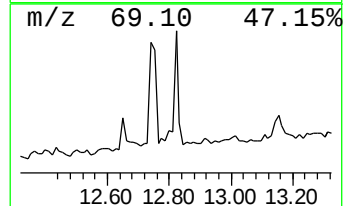
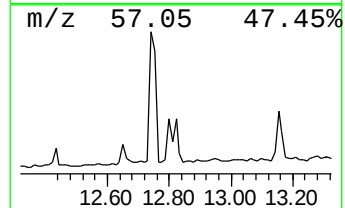
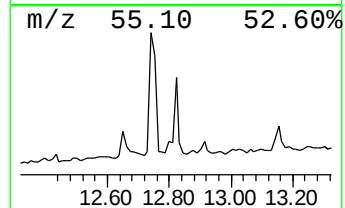
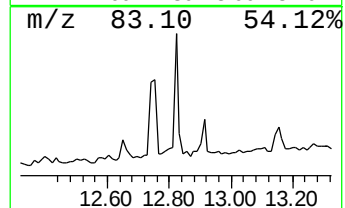
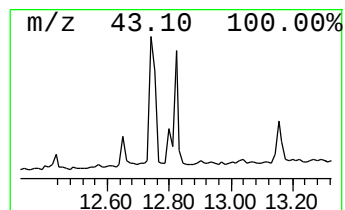
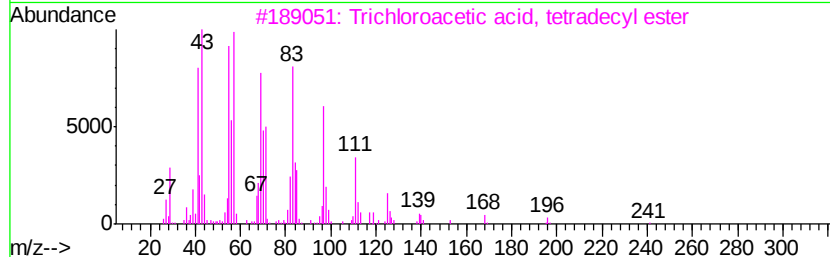
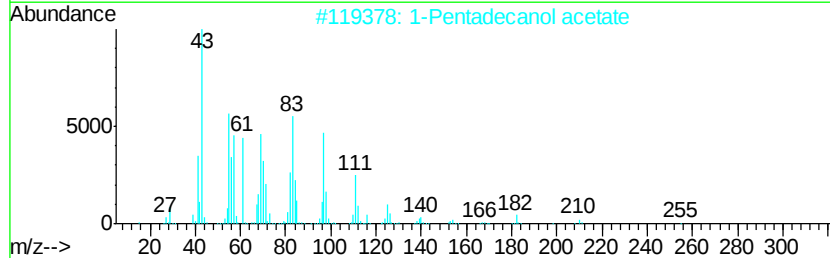
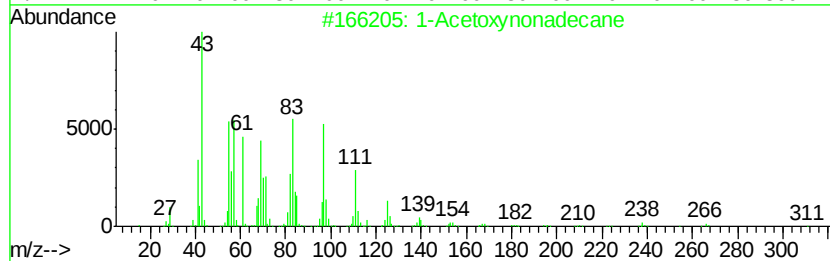
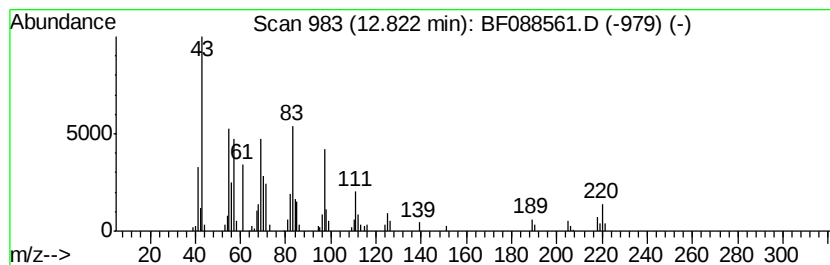
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 1-Acetoxynonadecane Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.82 | 2.23 ng | 125714 | Chrysene-d12     | 13.95 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 1-Acetoxynonadecane                 | 326 | C21H42O2    | 001577-43-1  | 91   |
| 2    |    |   | 1-Pentadecanol acetate              | 270 | C17H34O2    | 000629-58-3  | 90   |
| 3    |    |   | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9  | 87   |
| 4    |    |   | Eicosyl acetate                     | 340 | C22H44O2    | 1000351-77-9 | 87   |
| 5    |    |   | Behenic alcohol                     | 326 | C22H46O     | 000661-19-8  | 87   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\  
Data File : BF088561.D  
Acq On : 1 Jul 2016 6:38  
Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

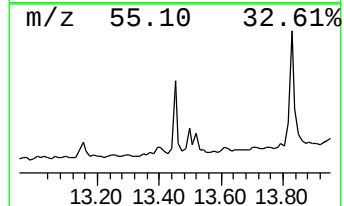
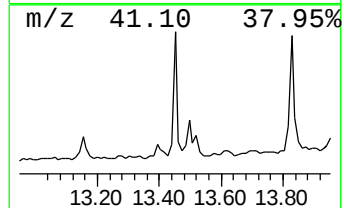
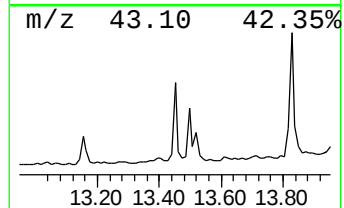
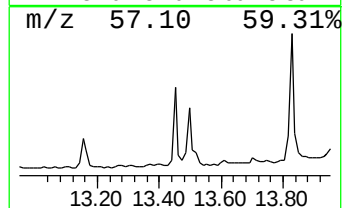
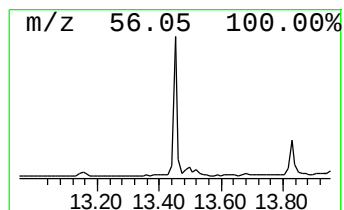
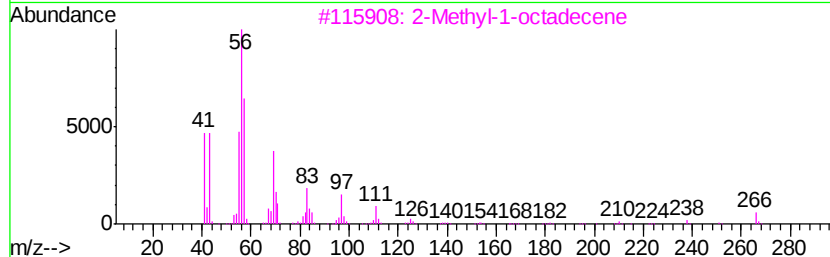
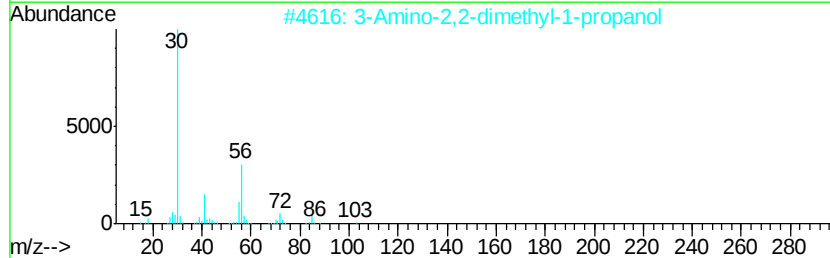
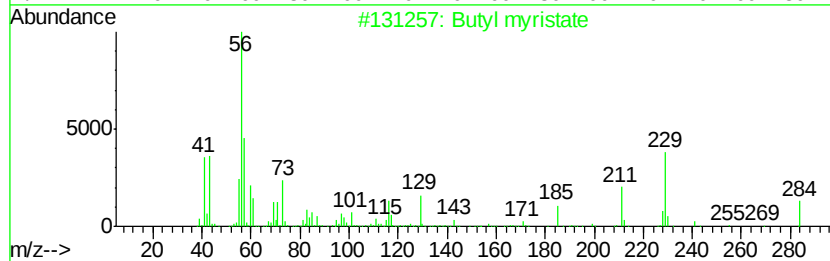
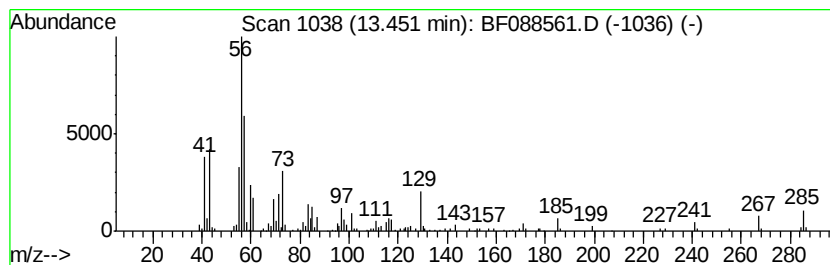
Instrument :  
BNA\_F  
ClientSampleId :  
C8-B4(0-4.5)C

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

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

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Peak Number 11 Butyl myristate Concentration Rank 14

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 13.45     | 3.09 ng                             | 174405 | Chrysene-d12     | 13.95       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Butyl myristate                     | 284    | C18H36O2         | 000110-36-1 | 86   |
| 2         | 3-Amino-2,2-dimethyl-1-propanol     | 103    | C5H13NO          | 026734-09-8 | 38   |
| 3         | 2-Methyl-1-octadecene               | 266    | C19H38           | 061868-20-0 | 38   |
| 4         | Urea, N,N'-di-2-propenyl-           | 140    | C7H12N2O         | 001801-72-5 | 35   |
| 5         | Cyclopropane, 1-(1-methylethyl)-... | 210    | C15H30           | 041977-39-3 | 35   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
Data File : BF088561.D  
Acq On : 1 Jul 2016 6:38  
Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

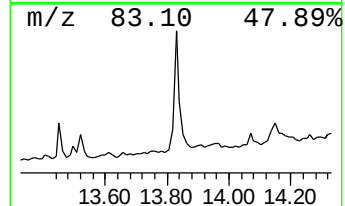
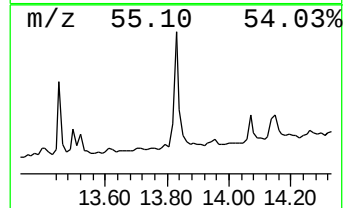
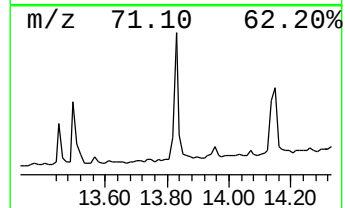
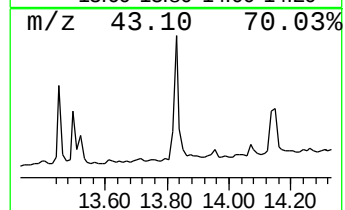
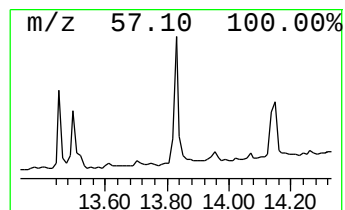
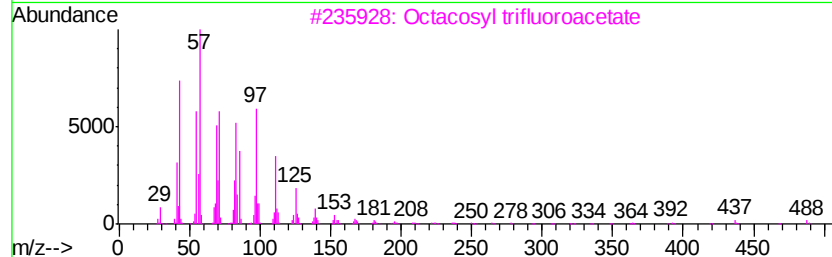
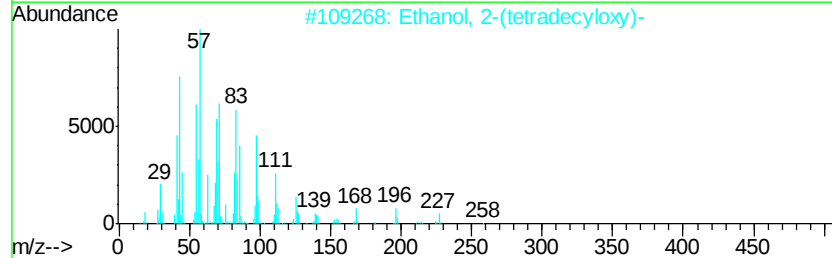
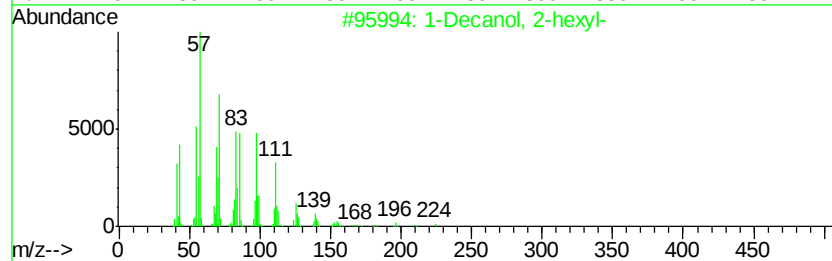
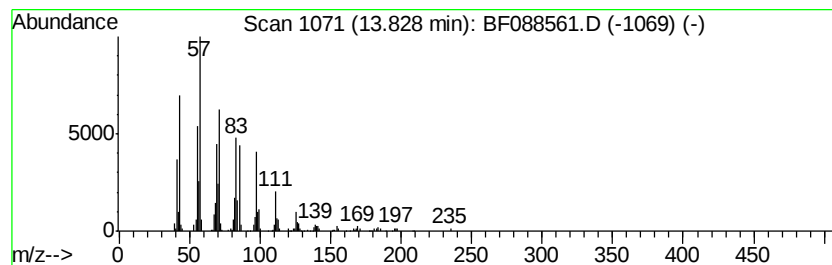
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C8-B4(0-4.5)C

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

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

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Peak Number 13 1-Decanol, 2-hexyl- Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD                    |     | R.T.       |              |      |
|-------|---------|--------|-------------------------------------|-----|------------|--------------|------|
| 13.83 | 3.95 ng | 223443 | Chrysene-d12                        |     | 13.95      |              |      |
| Hit#  | of      | 5      | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
| 1     |         |        | 1-Decanol, 2-hexyl-                 | 242 | C16H34O    | 002425-77-6  | 91   |
| 2     |         |        | Ethanol, 2-(tetradecyloxy)-         | 258 | C16H34O2   | 002136-70-1  | 87   |
| 3     |         |        | Octacosyl trifluoroacetate          | 506 | C30H57F3O2 | 1000351-74-9 | 87   |
| 4     |         |        | Pentafluoropropionic acid, tetra... | 360 | C17H29F5O2 | 006222-06-6  | 76   |
| 5     |         |        | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2  | 76   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
Data File : BF088561.D  
Acq On : 1 Jul 2016 6:38  
Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
C8-B4(0-4.5)C

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

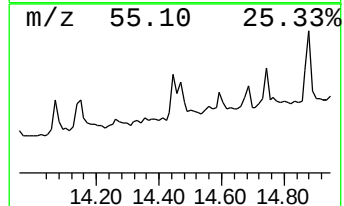
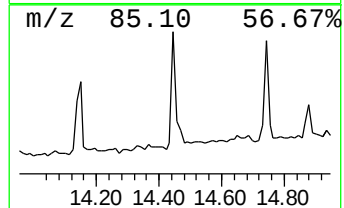
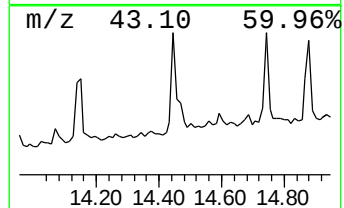
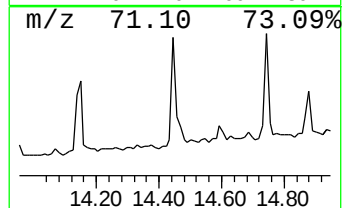
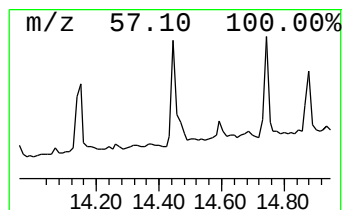
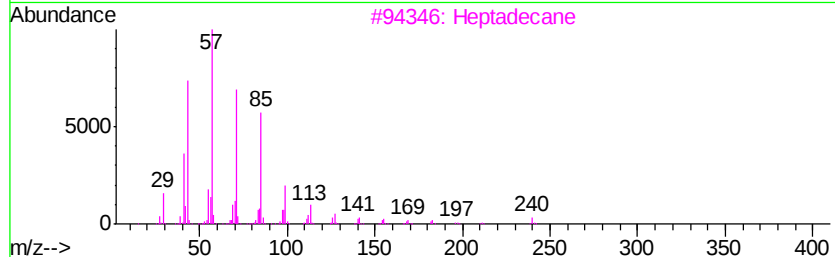
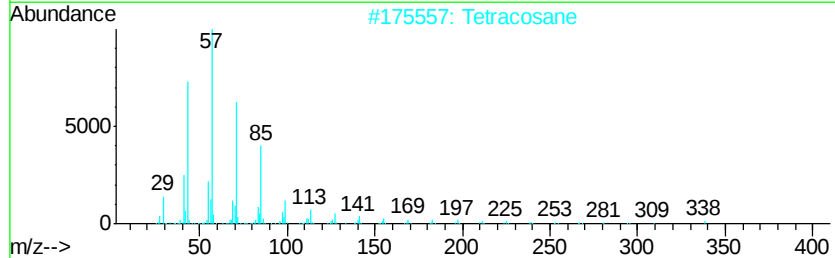
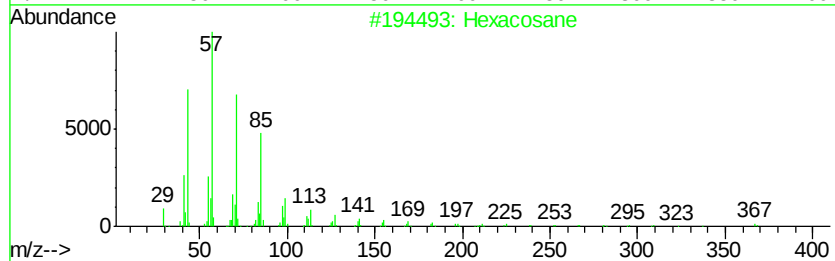
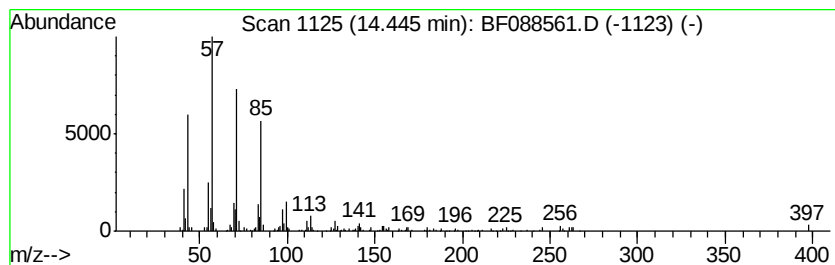
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 Hexacosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.45 | 4.58 ng | 258580 | Chrysene-d12     | 13.95 |

| Hit# | of                    | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-----------------------|---|--------------|-----|---------|-------------|------|
| 1    | Hexacosane            |   |              | 366 | C26H54  | 000630-01-3 | 87   |
| 2    | Tetracosane           |   |              | 338 | C24H50  | 000646-31-1 | 87   |
| 3    | Heptadecane           |   |              | 240 | C17H36  | 000629-78-7 | 86   |
| 4    | Nonane, 3,7-dimethyl- |   |              | 156 | C11H24  | 017302-32-8 | 83   |
| 5    | Dodecane, 1-iodo-     |   |              | 296 | C12H25I | 004292-19-7 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
Data File : BF088561.D  
Acq On : 1 Jul 2016 6:38  
Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

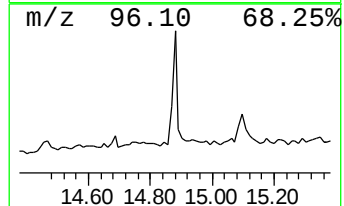
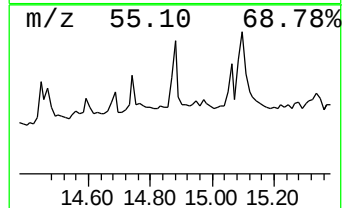
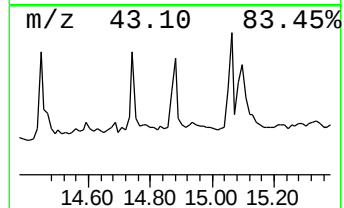
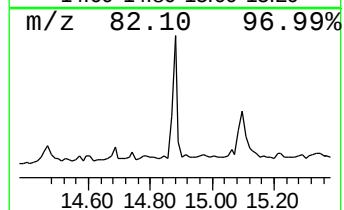
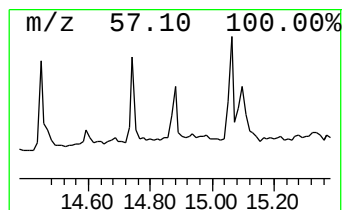
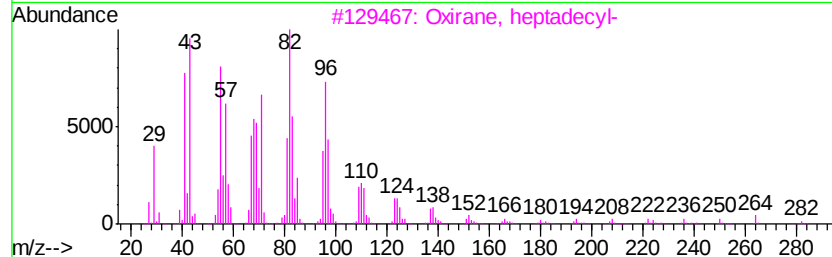
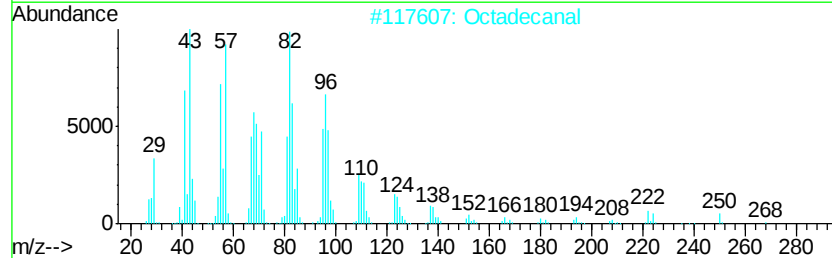
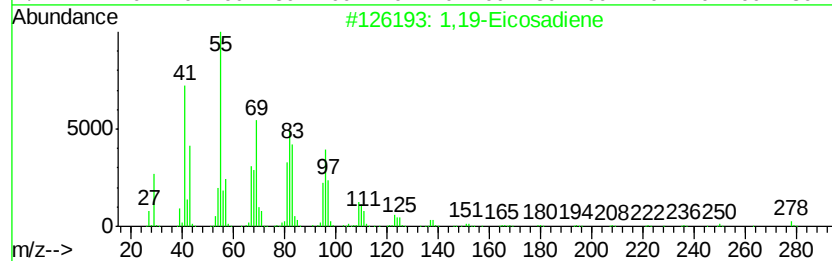
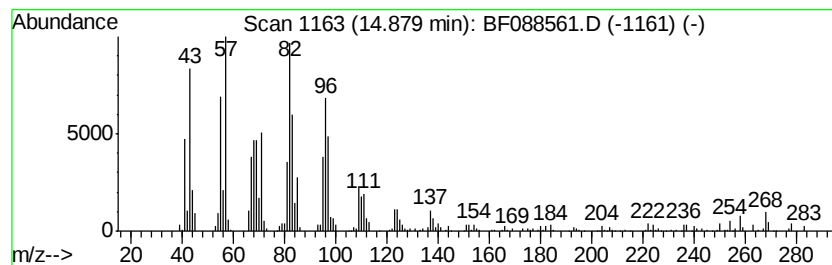
Instrument :  
BNA\_F  
ClientSampleID :  
C8-B4(0-4.5)C

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

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

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Peak Number 15 1,19-Eicosadiene Concentration Rank 11

| R.T.      | EstConc              | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------|--------|------------------|-------------|------|
| 14.88     | 3.78 ng              | 158324 | Perylene-d12     | 15.36       |      |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,19-Eicosadiene     | 278    | C20H38           | 014811-95-1 | 92   |
| 2         | Octadecanal          | 268    | C18H36O          | 000638-66-4 | 91   |
| 3         | Oxirane, heptadecyl- | 282    | C19H38O          | 067860-04-2 | 90   |
| 4         | Oxirane, hexadecyl-  | 268    | C18H36O          | 007390-81-0 | 87   |
| 5         | Z-2-Dodecenol        | 184    | C12H24O          | 069064-36-4 | 76   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
Data File : BF088561.D  
Acq On : 1 Jul 2016 6:38  
Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
C8-B4(0-4.5)C

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

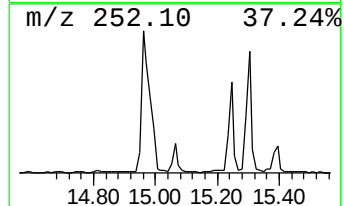
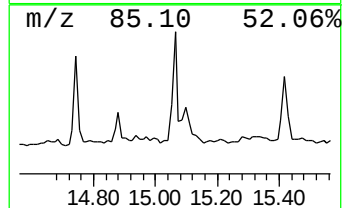
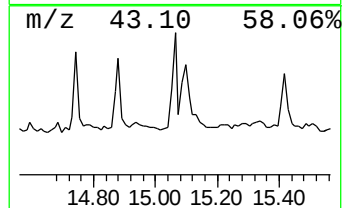
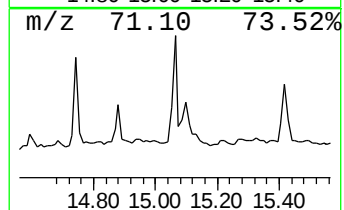
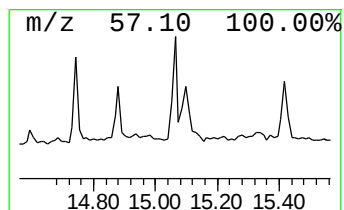
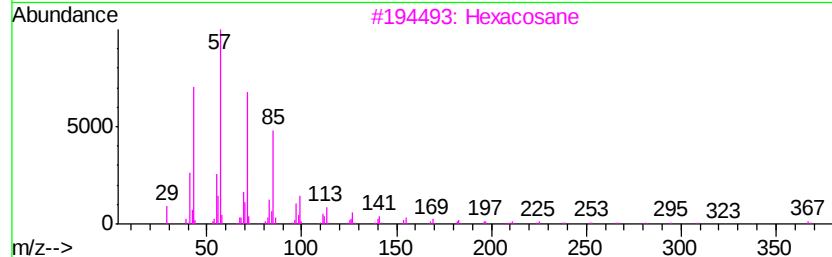
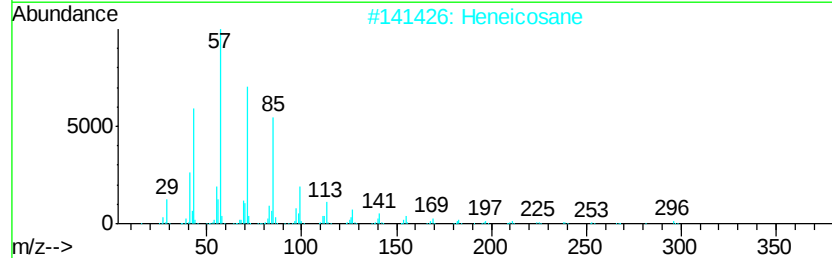
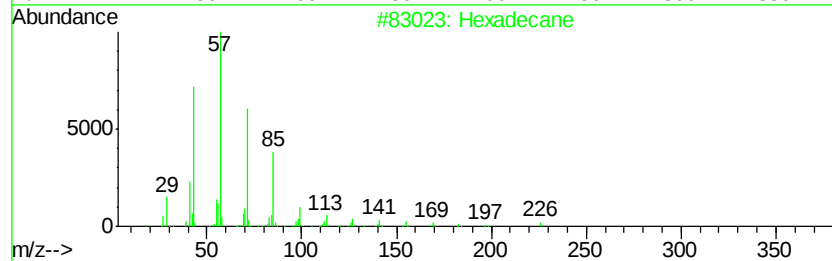
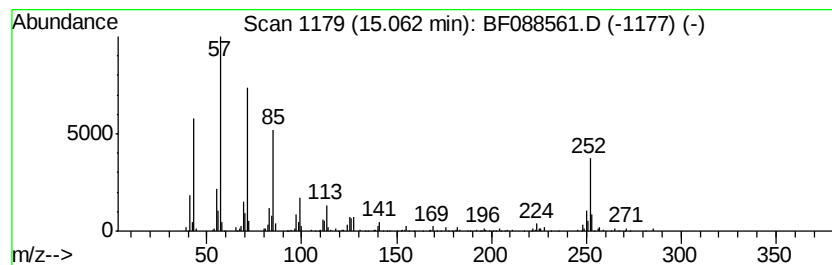
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Hexadecane Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.06 | 3.23 ng | 135507 | Perylene-d12     | 15.36 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane          | 226 | C16H34  | 000544-76-3 | 76   |
| 2    |    | Heneicosane         | 296 | C21H44  | 000629-94-7 | 76   |
| 3    |    | Hexacosane          | 366 | C26H54  | 000630-01-3 | 76   |
| 4    |    | Tetracosane         | 338 | C24H50  | 000646-31-1 | 64   |
| 5    |    | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
Data File : BF088561.D  
Acq On : 1 Jul 2016 6:38  
Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
C8-B4(0-4.5)C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

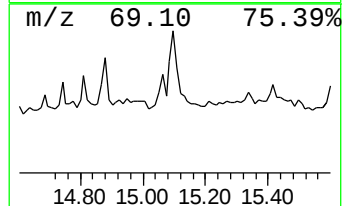
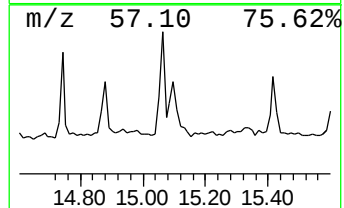
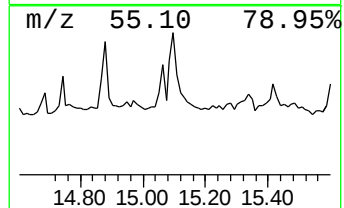
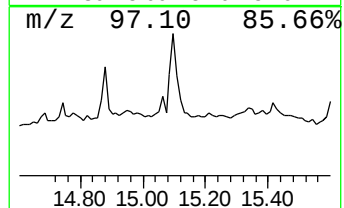
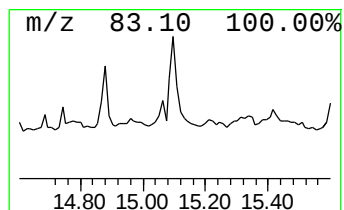
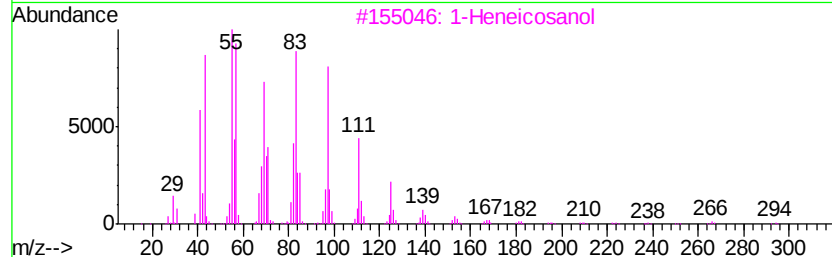
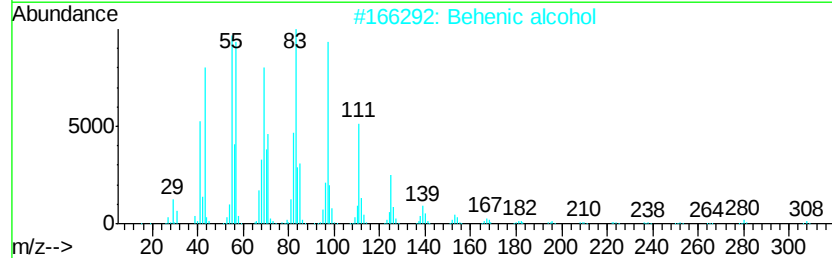
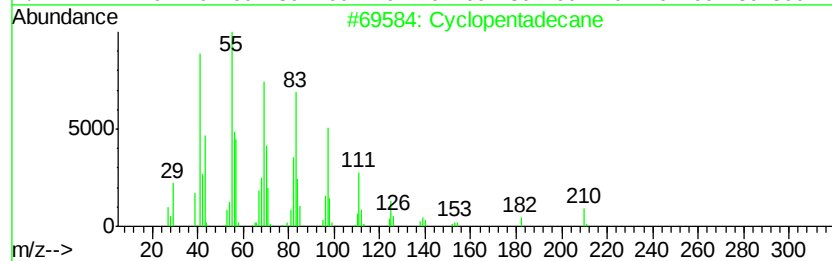
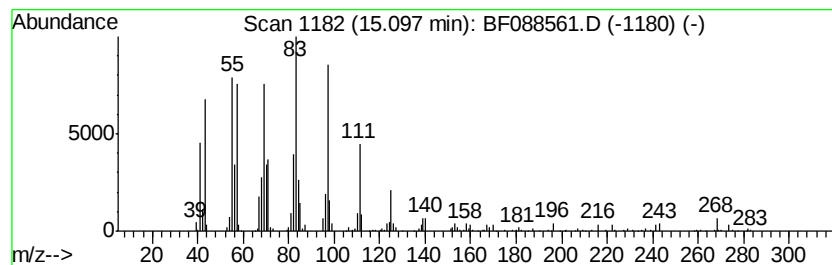
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TIC Integration Parameters: LSCINT.P

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Peak Number 17 Cyclopentadecane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.10 | 4.37 ng | 183197 | Perylene-d12     | 15.36 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopentadecane | 210 | C15H30  | 000295-48-7 | 93   |
| 2    |    | Behenic alcohol  | 326 | C22H46O | 000661-19-8 | 91   |
| 3    |    | 1-Heneicosanol   | 312 | C21H44O | 015594-90-8 | 91   |
| 4    |    | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 87   |
| 5    |    | Cyclotetradecane | 196 | C14H28  | 000295-17-0 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
Data File : BF088561.D  
Acq On : 1 Jul 2016 6:38  
Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

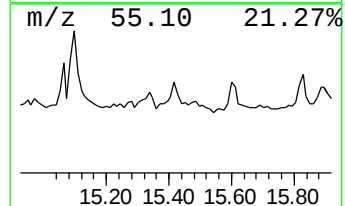
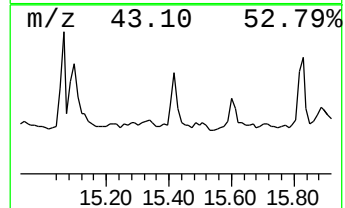
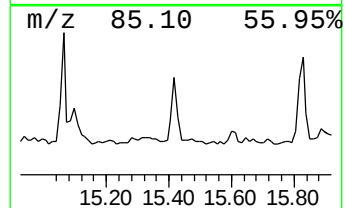
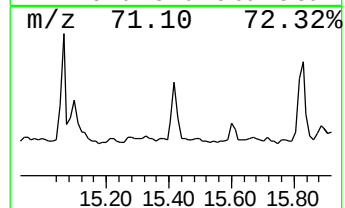
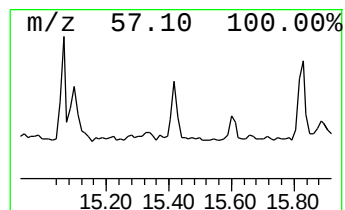
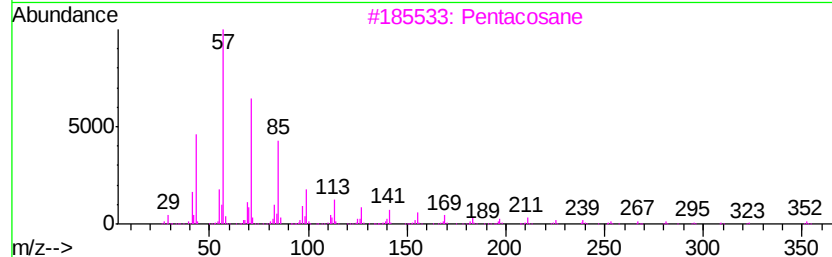
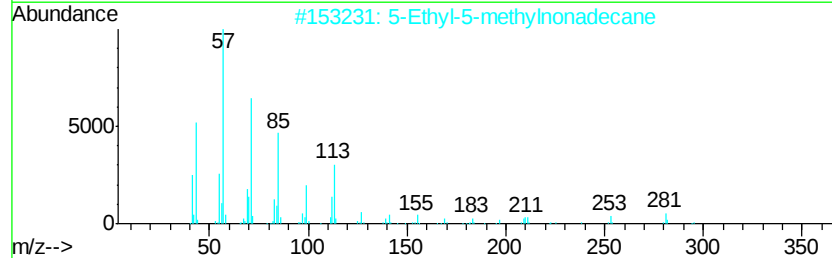
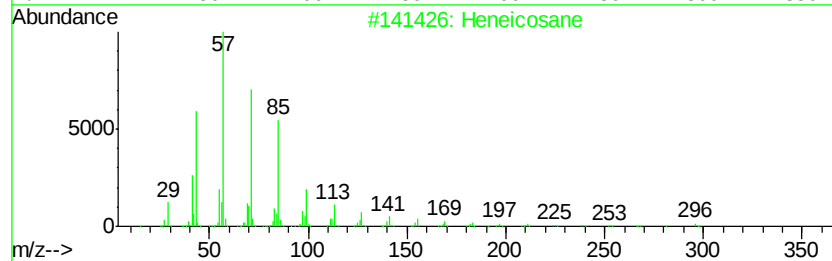
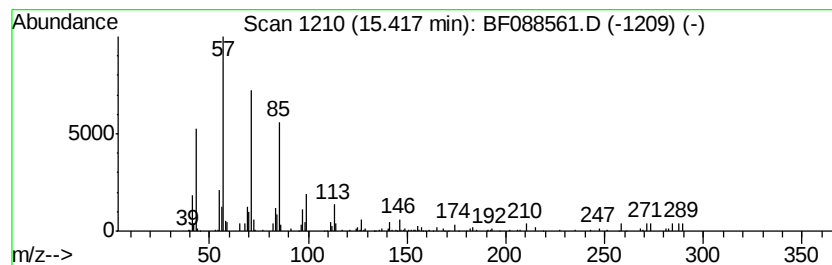
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ClientSampleId :  
C8-B4(0-4.5)C

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

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

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Peak Number 18 Heneicosane Concentration Rank 15

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.         |      |
|-----------|----------------------------|--------|------------------|--------------|------|
| 15.42     | 2.51 ng                    | 105174 | Perylene-d12     | 15.36        |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#         | Qual |
| 1         | Heneicosane                | 296    | C21H44           | 000629-94-7  | 76   |
| 2         | 5-Ethyl-5-methylnonadecane | 310    | C22H46           | 1000360-42-7 | 74   |
| 3         | Pentacosane                | 352    | C25H52           | 000629-99-2  | 68   |
| 4         | 1-Iodoundecane             | 282    | C11H23I          | 004282-44-4  | 68   |
| 5         | Nonadecane                 | 268    | C19H40           | 000629-92-5  | 64   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\  
Data File : BF088561.D  
Acq On : 1 Jul 2016 6:38  
Operator : UM/SJ  
Sample : H3747-08  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

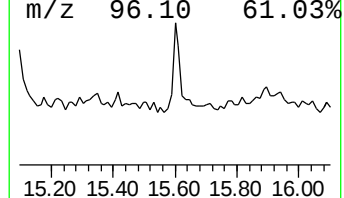
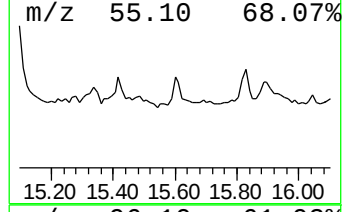
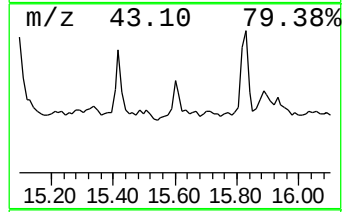
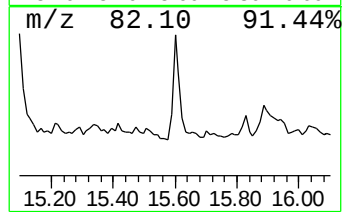
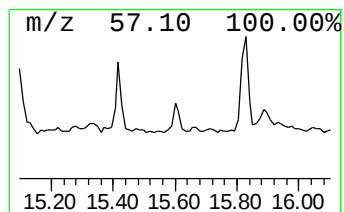
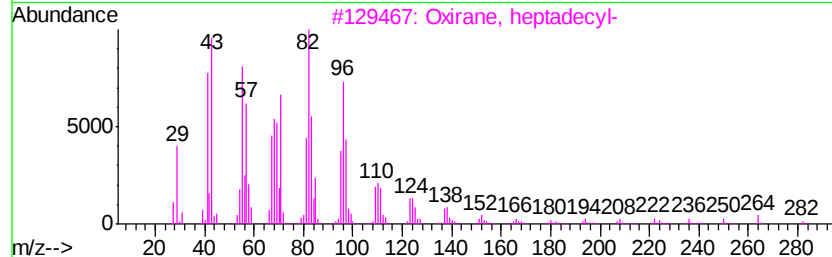
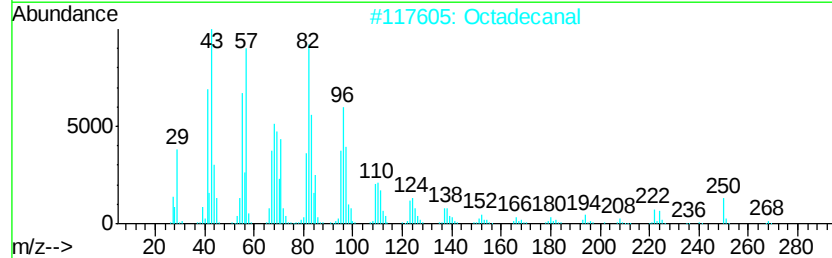
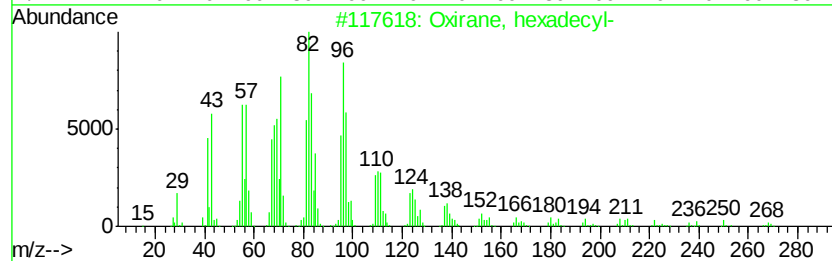
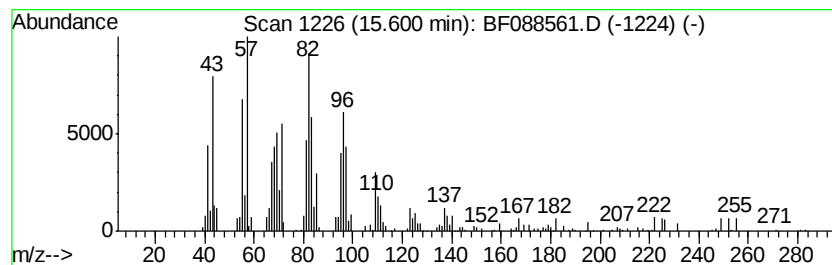
Instrument :  
BNA\_F  
ClientSampleId :  
C8-B4(0-4.5)C

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

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

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Peak Number 19 Oxirane, hexadecyl- Concentration Rank 17

| R.T.      | EstConc              | Area   | Relative to ISTD |             | R.T.  |
|-----------|----------------------|--------|------------------|-------------|-------|
| 15.60     | 2.44 ng              | 102114 | Perylene-d12     |             | 15.36 |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual  |
| 1         | Oxirane, hexadecyl-  | 268    | C18H36O          | 007390-81-0 | 90    |
| 2         | Octadecanal          | 268    | C18H36O          | 000638-66-4 | 86    |
| 3         | Oxirane, heptadecyl- | 282    | C19H38O          | 067860-04-2 | 78    |
| 4         | Pentadecanal-        | 226    | C15H30O          | 002765-11-9 | 72    |
| 5         | 1,19-Eicosadiene     | 278    | C20H38           | 014811-95-1 | 72    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
 Data File : BF088561.D  
 Acq On : 1 Jul 2016 6:38  
 Operator : UM/SJ  
 Sample : H3747-08  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C8-B4(0-4.5)C

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

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Propane, 2,2-dime... | 1.69  | 161.5   | ng    | 7159730  | 1                     | 6.82  | 886719  | 20.0 |
| Propane, 1,1-dime... | 2.08  | 6.3     | ng    | 280170   | 1                     | 6.82  | 886719  | 20.0 |
| (S)-(+)-1,2-Propa... | 3.08  | 2.5     | ng    | 110236   | 1                     | 6.82  | 886719  | 20.0 |
| 2-Pentanone, 4-hy... | 5.00  | 5.5     | ng    | 246132   | 1                     | 6.82  | 886719  | 20.0 |
| unknown6.58          | 6.58  | 69.9    | ng    | 3098180  | 1                     | 6.82  | 886719  | 20.0 |
| unknown11.86         | 11.86 | 2.3     | ng    | 126810   | 4                     | 11.32 | 1101100 | 20.0 |
| 1-Acetoxynonadecane  | 12.82 | 2.2     | ng    | 125714   | 5                     | 13.95 | 1129930 | 20.0 |
| Butyl myristate      | 13.45 | 3.1     | ng    | 174405   | 5                     | 13.95 | 1129930 | 20.0 |
| 1-Decanol, 2-hexyl-  | 13.83 | 4.0     | ng    | 223443   | 5                     | 13.95 | 1129930 | 20.0 |
| Hexacosane           | 14.45 | 4.6     | ng    | 258580   | 5                     | 13.95 | 1129930 | 20.0 |
| 1,19-Eicosadiene     | 14.88 | 3.8     | ng    | 158324   | 6                     | 15.36 | 837974  | 20.0 |
| Hexadecane           | 15.06 | 3.2     | ng    | 135507   | 6                     | 15.36 | 837974  | 20.0 |
| Cyclopentadecane     | 15.10 | 4.4     | ng    | 183197   | 6                     | 15.36 | 837974  | 20.0 |
| Heneicosane          | 15.42 | 2.5     | ng    | 105174   | 6                     | 15.36 | 837974  | 20.0 |
| Oxirane, hexadecyl-  | 15.60 | 2.4     | ng    | 102114   | 6                     | 15.36 | 837974  | 20.0 |