

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
 Data File : BF094889.D  
 Acq On : 4 May 2017 23:19  
 Operator : SJ/MA  
 Sample : I2916-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-10-6.5-7.5

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-BF050217.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.031       | 521           | 526         | 544          | rBV      | 302853         | 584957        | 22.11%          | 2.400%        |
| 2         | 5.672       | 630           | 635         | 665          | rBV      | 1649702        | 2411400       | 91.13%          | 9.896%        |
| 3         | 6.242       | 723           | 732         | 740          | rBV      | 21553          | 38658         | 1.46%           | 0.159%        |
| 4         | 7.266       | 900           | 906         | 921          | rBV      | 1747932        | 2488954       | 94.06%          | 10.214%       |
| 5         | 7.384       | 921           | 926         | 937          | rVB      | 2073960        | 2646137       | 100.00%         | 10.859%       |
| 6         | 7.719       | 979           | 983         | 993          | rVB      | 416182         | 472370        | 17.85%          | 1.938%        |
| 7         | 7.960       | 1019          | 1024        | 1041         | rVB      | 1610397        | 1825526       | 68.99%          | 7.491%        |
| 8         | 8.619       | 1130          | 1136        | 1154         | rBV      | 1231095        | 1585076       | 59.90%          | 6.505%        |
| 9         | 9.742       | 1322          | 1327        | 1337         | rBV      | 500817         | 628204        | 23.74%          | 2.578%        |
| 10        | 11.513      | 1623          | 1628        | 1640         | rBV      | 1738644        | 2018188       | 76.27%          | 8.282%        |
| 11        | 12.207      | 1740          | 1746        | 1753         | rBV      | 192686         | 235221        | 8.89%           | 0.965%        |
| 12        | 12.571      | 1803          | 1808        | 1818         | rBV2     | 551238         | 756144        | 28.58%          | 3.103%        |
| 13        | 13.413      | 1945          | 1951        | 1957         | rVB      | 31367          | 38796         | 1.47%           | 0.159%        |
| 14        | 13.866      | 2022          | 2028        | 2042         | rBV      | 1071635        | 1471887       | 55.62%          | 6.040%        |
| 15        | 14.183      | 2079          | 2082        | 2085         | rBV      | 32545          | 37710         | 1.43%           | 0.155%        |
| 16        | 14.918      | 2202          | 2207        | 2211         | rVV      | 24685          | 27870         | 1.05%           | 0.114%        |
| 17        | 14.971      | 2211          | 2216        | 2227         | rVB      | 553664         | 743771        | 28.11%          | 3.052%        |
| 18        | 15.936      | 2376          | 2380        | 2391         | rBV      | 161429         | 221155        | 8.36%           | 0.908%        |
| 19        | 17.024      | 2560          | 2565        | 2569         | rBV2     | 20899          | 27784         | 1.05%           | 0.114%        |
| 20        | 17.295      | 2606          | 2611        | 2619         | rBV      | 1381163        | 1484127       | 56.09%          | 6.090%        |
| 21        | 17.689      | 2674          | 2678        | 2682         | rVB      | 55730          | 61979         | 2.34%           | 0.254%        |
| 22        | 18.112      | 2746          | 2750        | 2756         | rBV3     | 27634          | 46220         | 1.75%           | 0.190%        |
| 23        | 18.195      | 2760          | 2764        | 2772         | rVB5     | 27116          | 32295         | 1.22%           | 0.133%        |
| 24        | 18.295      | 2774          | 2781        | 2785         | rBV      | 469263         | 518834        | 19.61%          | 2.129%        |
| 25        | 18.418      | 2797          | 2802        | 2808         | rBV      | 120491         | 127767        | 4.83%           | 0.524%        |
| 26        | 18.548      | 2815          | 2824        | 2832         | rBV      | 402495         | 551750        | 20.85%          | 2.264%        |
| 27        | 18.636      | 2832          | 2839        | 2846         | rVV      | 542623         | 702149        | 26.53%          | 2.881%        |
| 28        | 18.948      | 2886          | 2892        | 2900         | rBV4     | 23644          | 39848         | 1.51%           | 0.164%        |
| 29        | 19.336      | 2952          | 2958        | 2965         | rBV      | 717046         | 814600        | 30.78%          | 3.343%        |
| 30        | 19.718      | 3016          | 3023        | 3028         | rBV6     | 49969          | 90718         | 3.43%           | 0.372%        |
| 31        | 19.771      | 3028          | 3032        | 3038         | rVB      | 70447          | 74266         | 2.81%           | 0.305%        |
| 32        | 19.853      | 3042          | 3046        | 3052         | rVB      | 168570         | 174750        | 6.60%           | 0.717%        |
| 33        | 20.053      | 3076          | 3080        | 3083         | rBV      | 186439         | 207653        | 7.85%           | 0.852%        |
| 34        | 20.083      | 3083          | 3085        | 3090         | rVV4     | 43092          | 70881         | 2.68%           | 0.291%        |

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

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-BF050217.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 20.124 | 3090 | 3092 | 3097 | rVB2 | 33109  | 38136  | 1.44%  | 0.156% |
| 36 | 20.294 | 3117 | 3121 | 3130 | rVV  | 405138 | 529195 | 20.00% | 2.172% |
| 37 | 20.571 | 3164 | 3168 | 3175 | rBV  | 176319 | 214072 | 8.09%  | 0.878% |
| 38 | 20.665 | 3180 | 3184 | 3188 | rBV6 | 17644  | 27753  | 1.05%  | 0.114% |
| 39 | 20.777 | 3198 | 3203 | 3207 | rBV2 | 38000  | 53113  | 2.01%  | 0.218% |
| 40 | 20.830 | 3207 | 3212 | 3216 | rVV7 | 37242  | 80557  | 3.04%  | 0.331% |
| 41 | 20.871 | 3217 | 3219 | 3227 | rVB3 | 37016  | 55520  | 2.10%  | 0.228% |
| 42 | 21.441 | 3311 | 3316 | 3322 | rBV5 | 35140  | 62912  | 2.38%  | 0.258% |
| 43 | 22.177 | 3435 | 3441 | 3448 | rBV9 | 20380  | 49557  | 1.87%  | 0.203% |

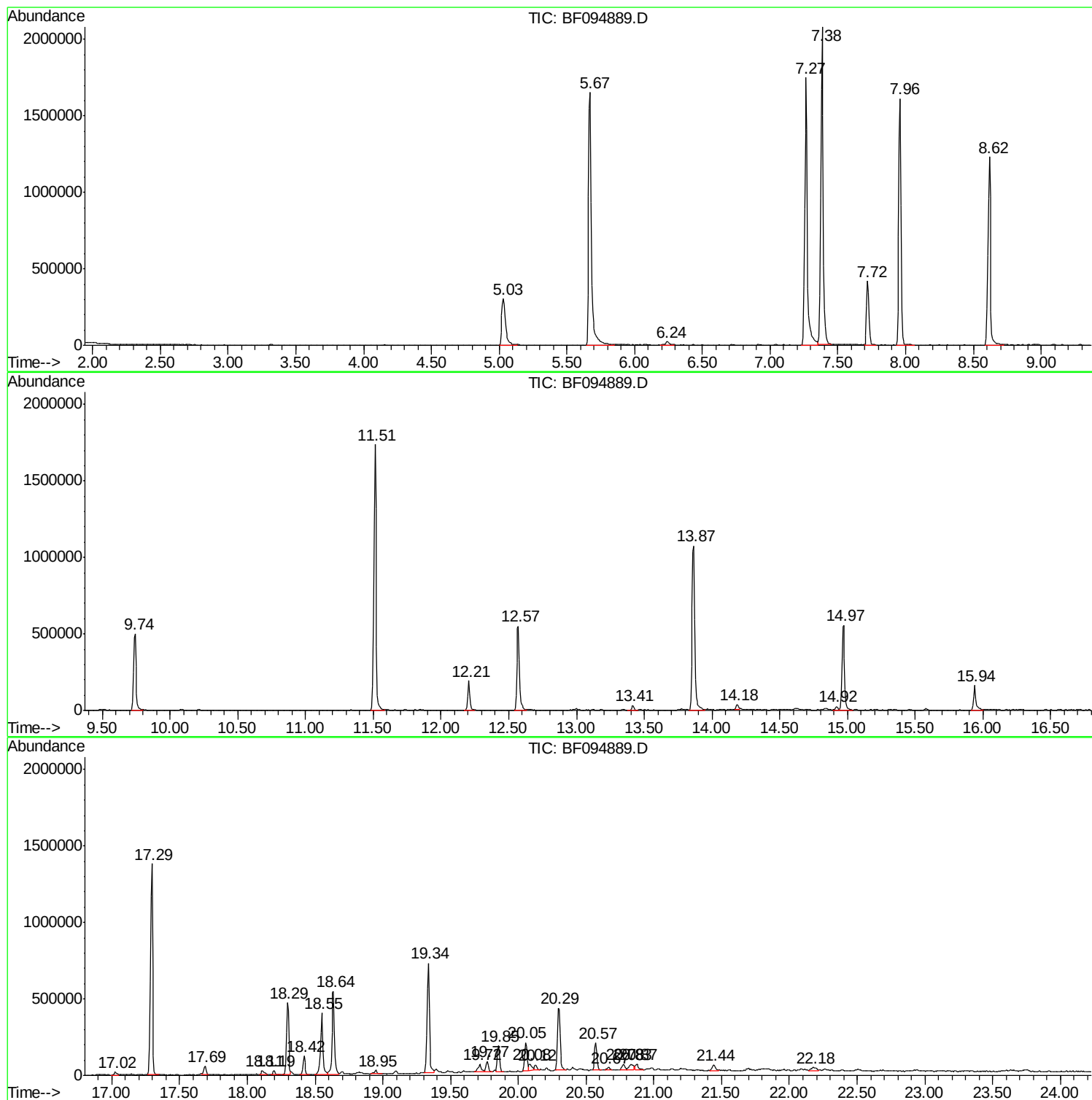
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BNA\_F  
ClientSampled :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.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\BF050417\  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

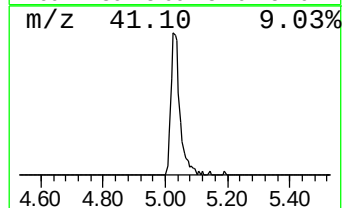
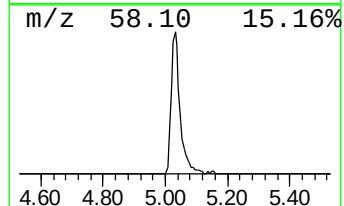
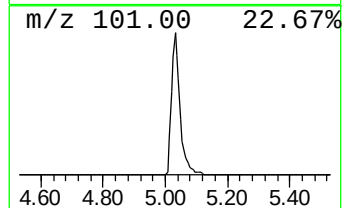
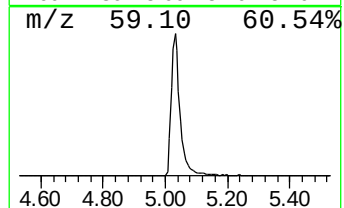
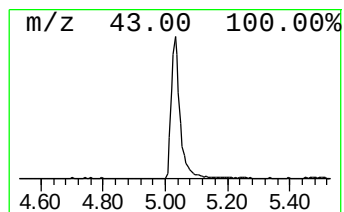
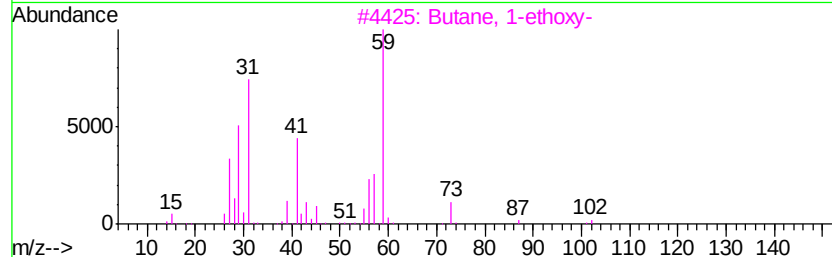
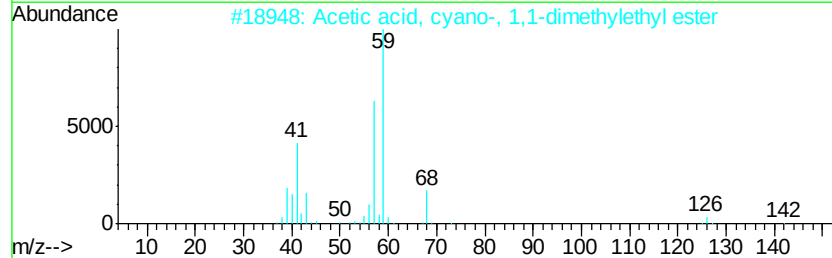
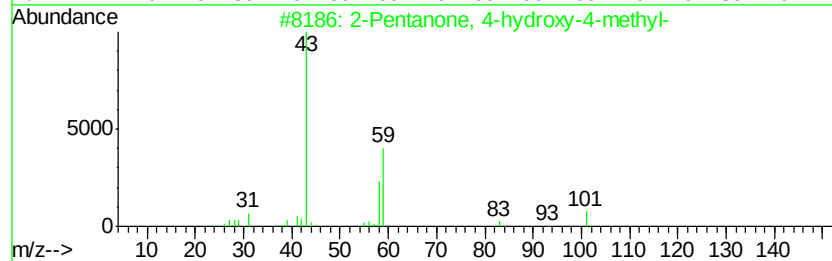
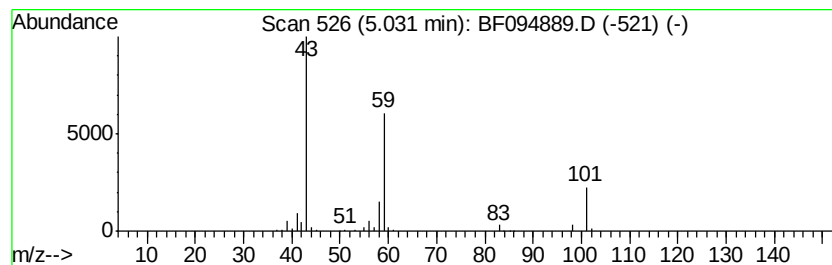
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.03 | 24.77 ng | 584957 | 1,4-Dichlorobenzene-d4 | 7.72 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 3    |    |   | Butane, 1-ethoxy-                   | 102 | C6H14O   | 000628-81-9 | 9    |
| 4    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2  | 016504-58-8 | 9    |
| 5    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
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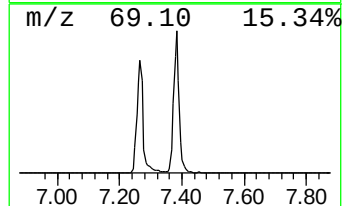
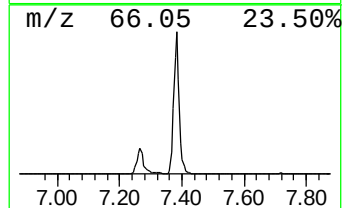
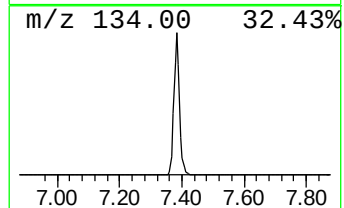
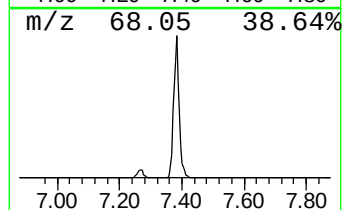
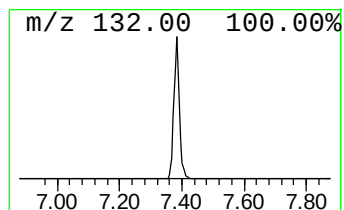
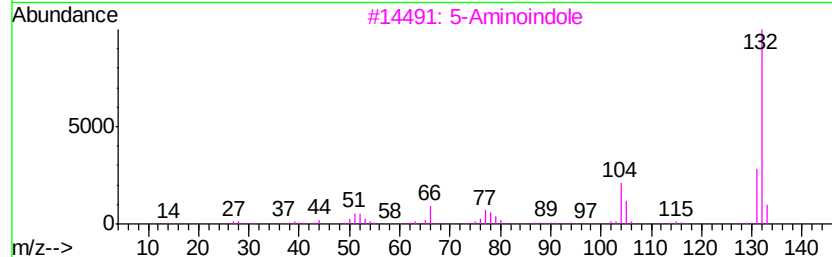
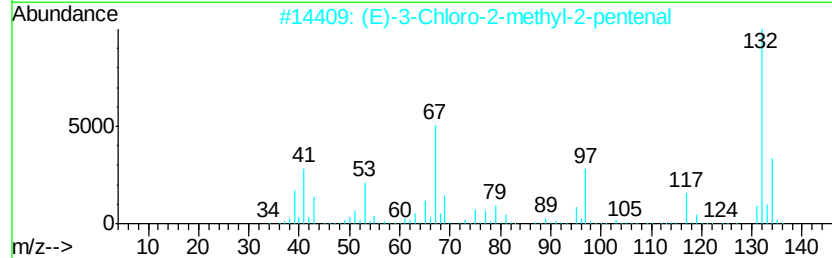
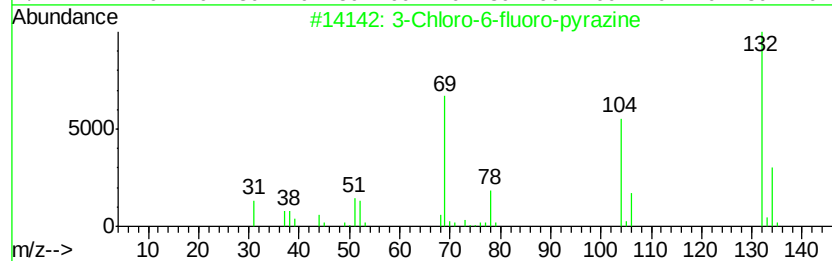
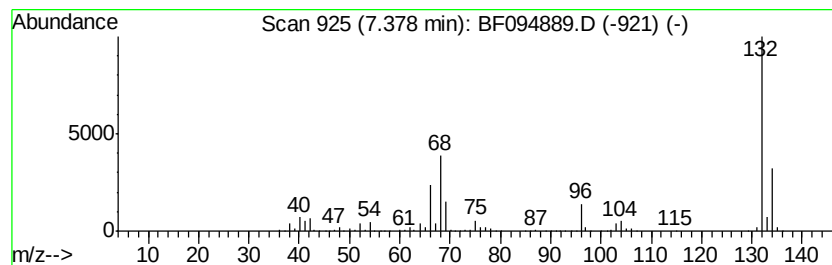
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown7.38 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.38 | 112.04 ng | 2646140 | 1,4-Dichlorobenzene-d4 | 7.72 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | Xenon                            | 132 | Xe        | 007440-63-3  | 9    |



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ALS Vial : 17 Sample Multiplier: 1

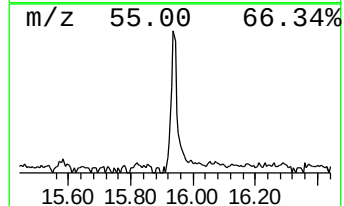
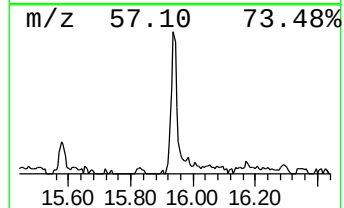
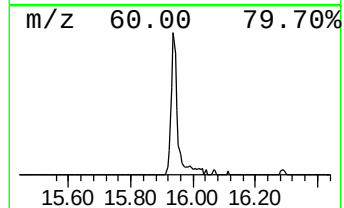
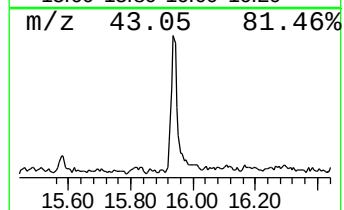
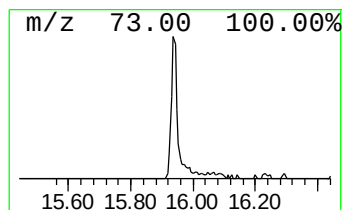
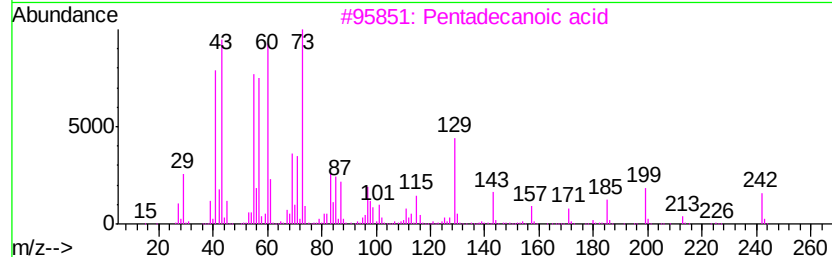
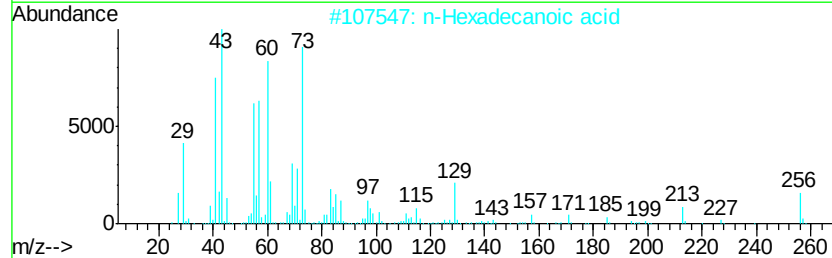
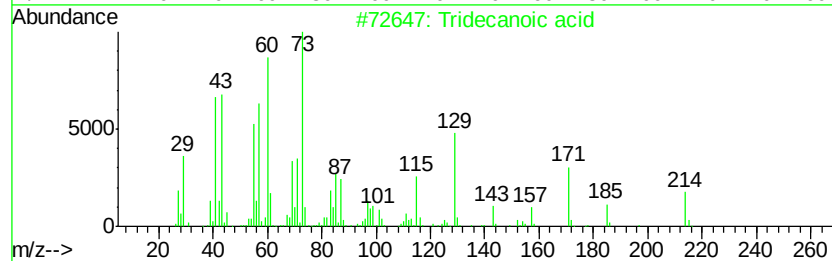
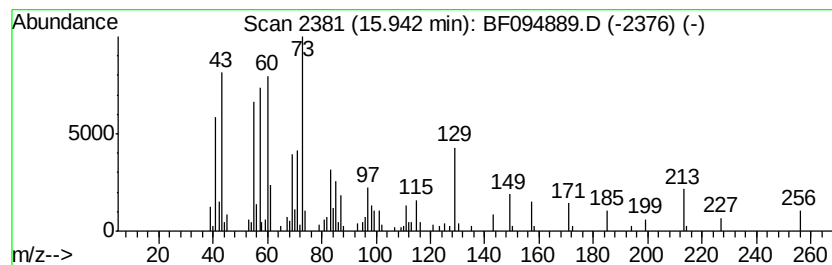
Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.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 Tridecanoic acid Concentration Rank 10

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 15.94     | 5.95 ng             | 221155 | Phenanthrene-d10 |             | 14.97 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 91    |
| 2         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 91    |
| 3         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 87    |
| 4         | Undecanoic acid     | 186    | C11H22O2         | 000112-37-8 | 83    |
| 5         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 80    |



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ALS Vial : 17 Sample Multiplier: 1

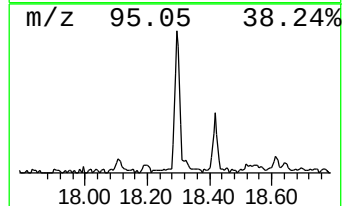
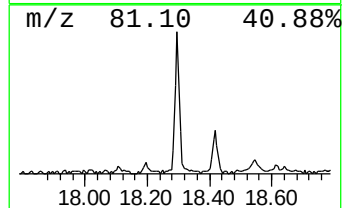
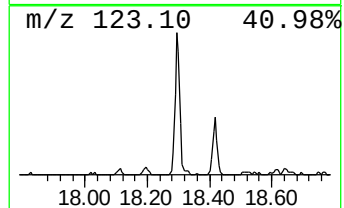
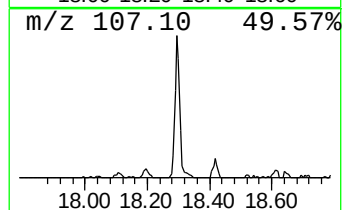
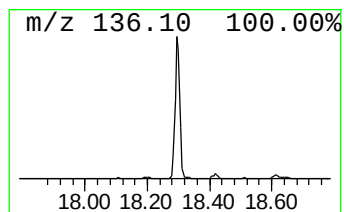
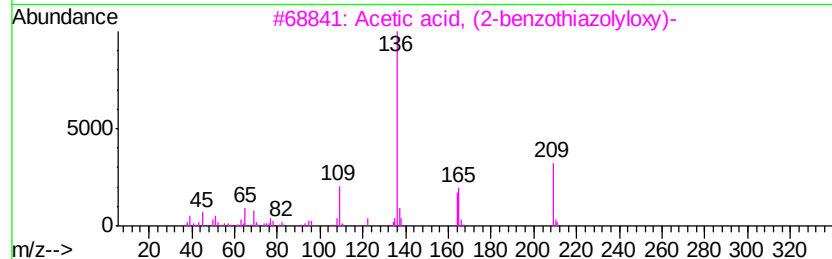
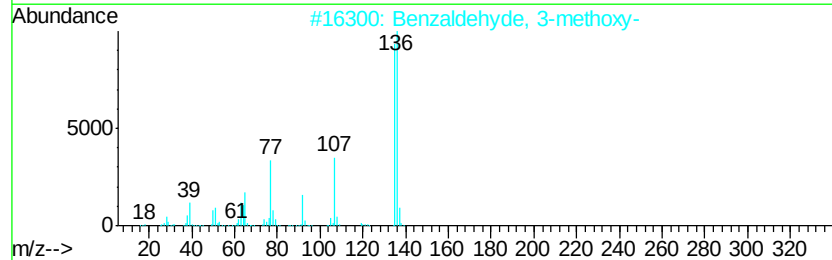
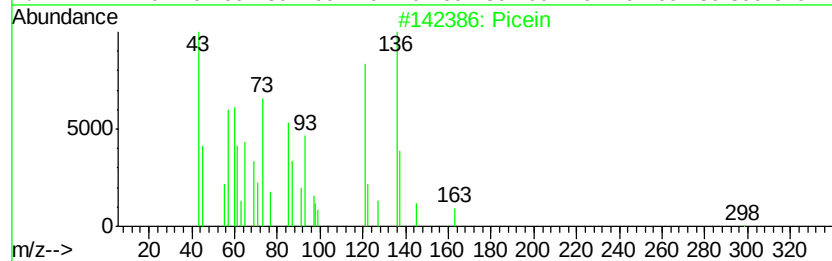
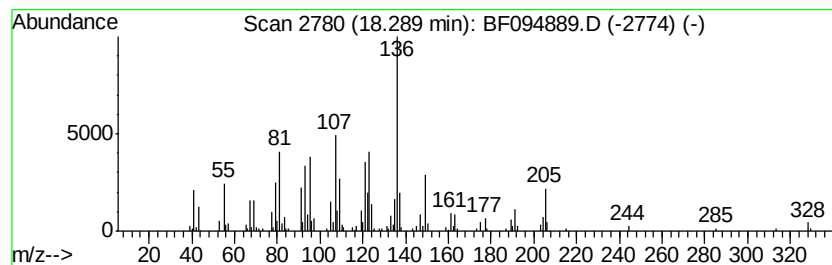
Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Picein Concentration Rank 6

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 18.29   | 14.78 ng                            | 518834       | Chrysene-d12     | 18.64           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | Picein                              |              | 298 C14H18O7     | 000530-14-3 93  |
| 2       | Benzaldehyde, 3-methoxy-            |              | 136 C8H8O2       | 000591-31-1 35  |
| 3       | Acetic acid, (2-benzothiazolyloxy)- |              | 209 C9H7N03S     | 002875-32-3 27  |
| 4       | Allopurinol                         |              | 136 C5H4N4O      | 000315-30-0 22  |
| 5       | [1,2,4]Triazolo[1,5-a]pyrimidin-... |              | 193 C8H11N5O     | 1000362-66-7 22 |



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Acq On : 4 May 2017 23:19  
Operator : SJ/MA  
Sample : I2916-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

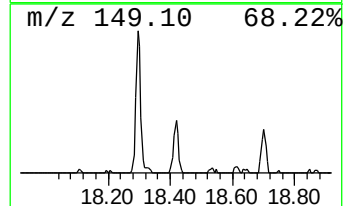
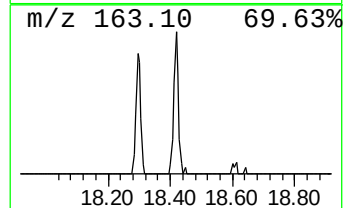
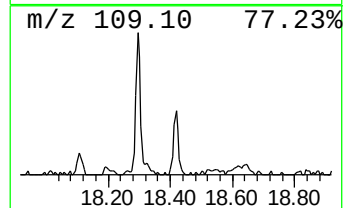
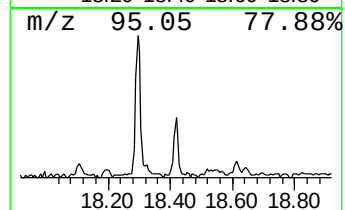
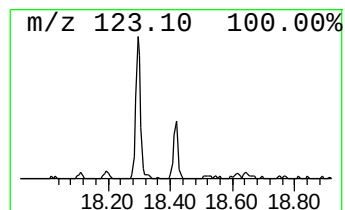
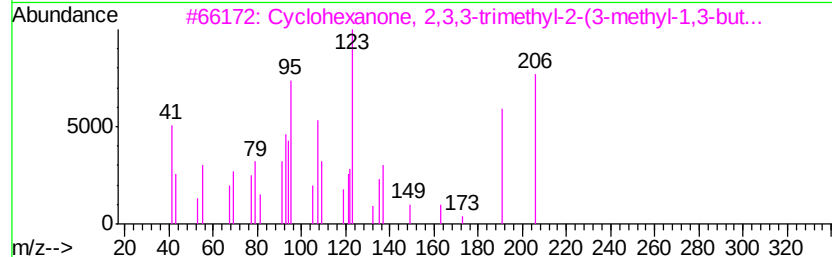
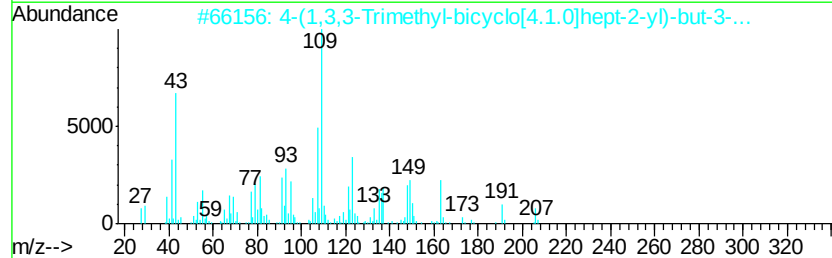
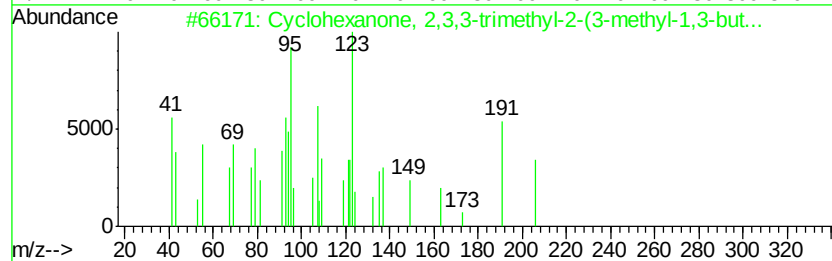
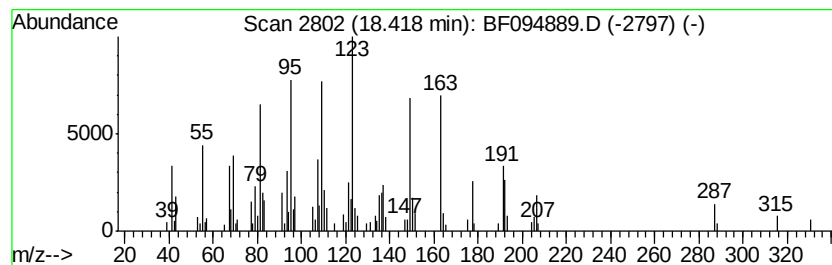
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown18.42 Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.42 | 3.64 ng | 127767 | Chrysene-d12     | 18.64 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Cyclohexanone, 2,3,3-trimethyl-2... | 206 | C14H22O  | 069296-90-8  | 47   |
| 2    |    |   | 4-(1,3,3-Trimethyl-bicyclo[4.1.0... | 206 | C14H22O  | 077143-31-8  | 38   |
| 3    |    |   | Cyclohexanone, 2,3,3-trimethyl-2... | 206 | C14H22O  | 069296-91-9  | 38   |
| 4    |    |   | Divinylbis(cyclopropyl)silane       | 164 | C10H16Si | 1000109-95-2 | 35   |
| 5    |    |   | 4-Cyclohexylresorcinol              | 192 | C12H16O2 | 002138-20-7  | 25   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
Data File : BF094889.D  
Acq On : 4 May 2017 23:19  
Operator : SJ/MA  
Sample : I2916-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

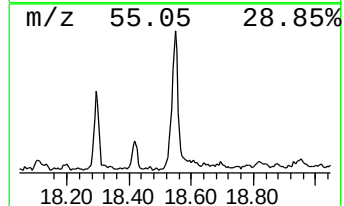
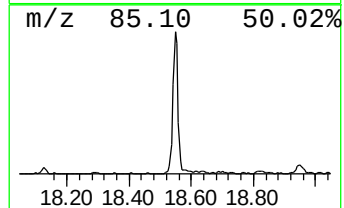
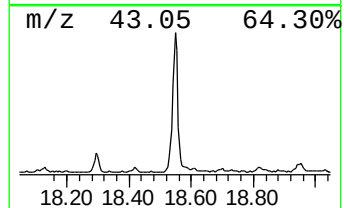
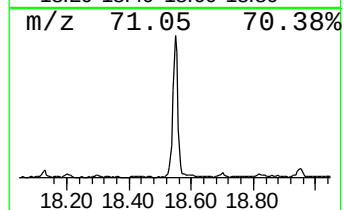
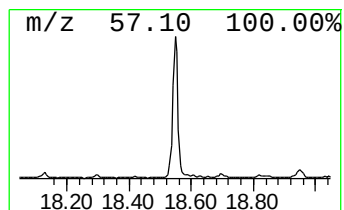
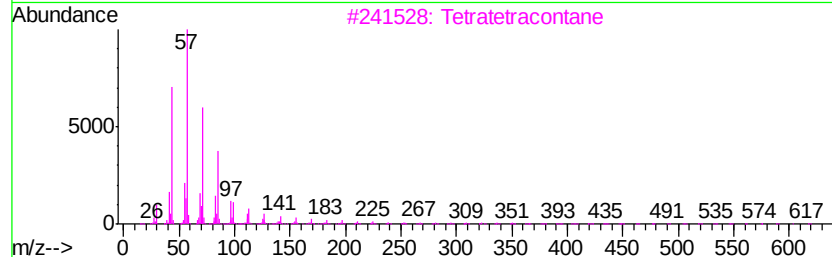
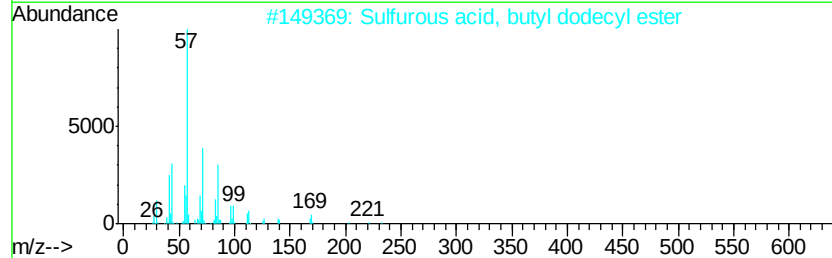
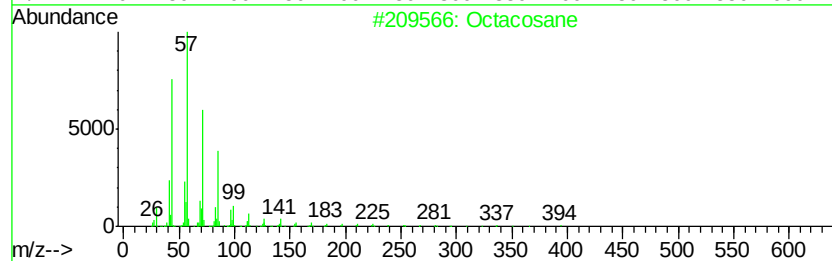
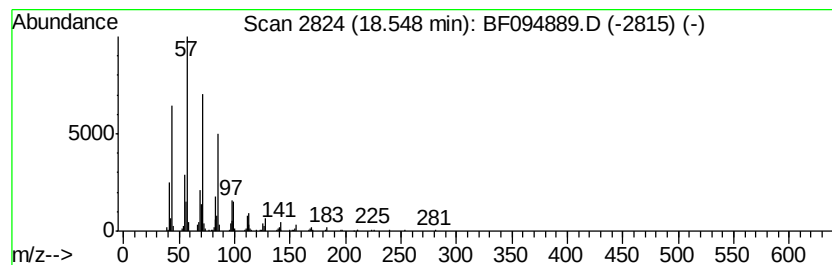
Instrument :  
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ClientSampleId :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.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 7 Octacosane Concentration Rank 5

| R.T.    | EstConc                             | Area          | Relative to ISTD | R.T.      |
|---------|-------------------------------------|---------------|------------------|-----------|
| 18.55   | 15.72 ng                            | 551750        | Chrysene-d12     | 18.64     |
| Hit# of | 5                                   | Tentative ID  | MW MolForm       | CAS# Qual |
| 1       | Octacosane                          | 394 C28H58    | 000630-02-4      | 91        |
| 2       | Sulfurous acid, butyl dodecyl ester | 306 C16H34O3S | 1000309-17-9     | 91        |
| 3       | Tetratetracontane                   | 619 C44H90    | 007098-22-8      | 91        |
| 4       | Octadecane                          | 254 C18H38    | 000593-45-3      | 87        |
| 5       | Heptacosane, 1-chloro-              | 414 C27H55Cl  | 062016-79-9      | 87        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
Data File : BF094889.D  
Acq On : 4 May 2017 23:19  
Operator : SJ/MA  
Sample : I2916-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

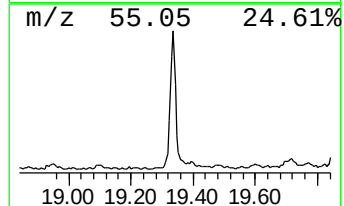
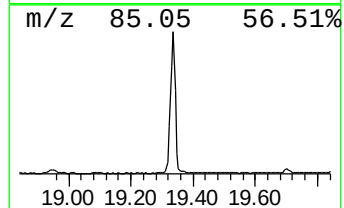
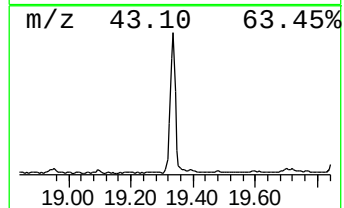
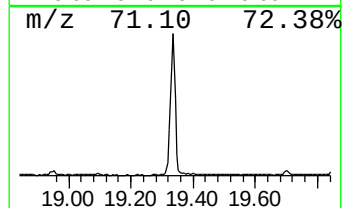
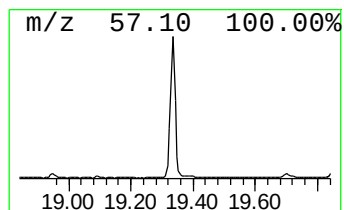
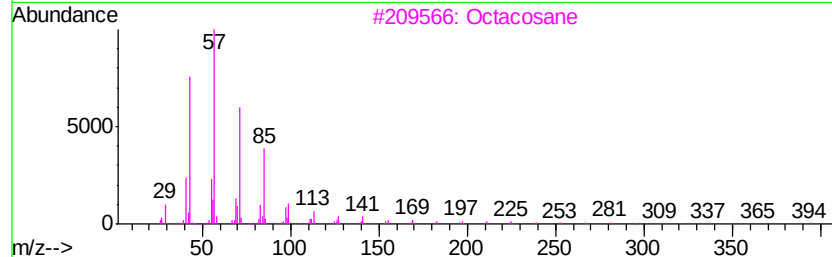
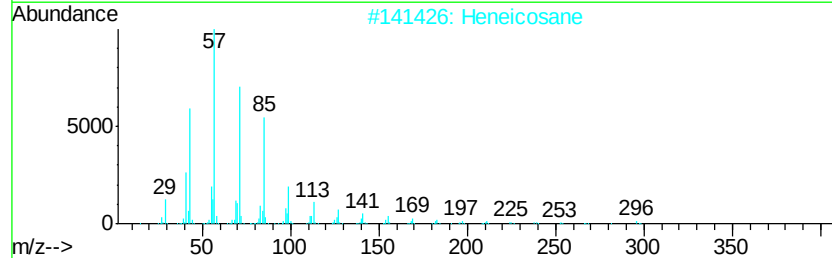
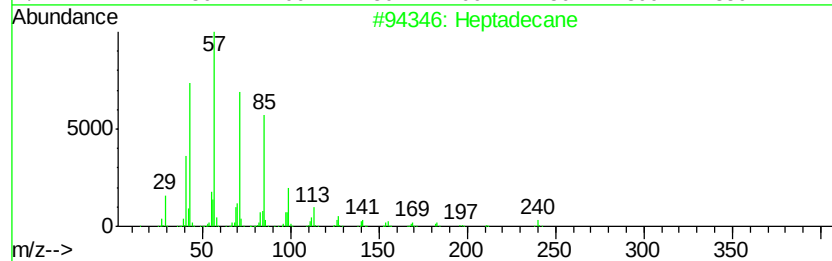
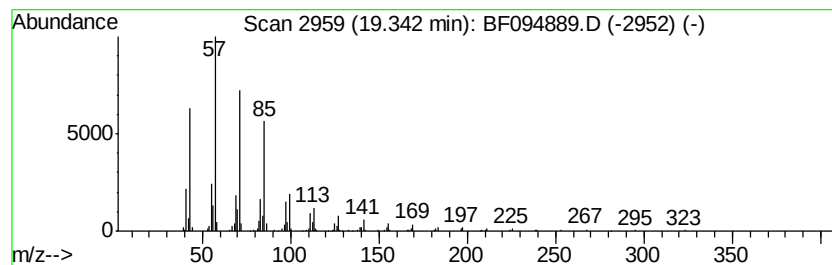
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Heptadecane Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 19.34 | 23.20 ng | 814600 | Chrysene-d12     | 18.64 |

| Hit# of | 5                                | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------------------------|--------------|-----|---------|-------------|------|
| 1       | Heptadecane                      |              | 240 | C17H36  | 000629-78-7 | 94   |
| 2       | Heneicosane                      |              | 296 | C21H44  | 000629-94-7 | 91   |
| 3       | Octacosane                       |              | 394 | C28H58  | 000630-02-4 | 91   |
| 4       | Hexacosane                       |              | 366 | C26H54  | 000630-01-3 | 91   |
| 5       | Heneicosane, 11-(1-ethylpropyl)- |              | 366 | C26H54  | 055282-11-6 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
Data File : BF094889.D  
Acq On : 4 May 2017 23:19  
Operator : SJ/MA  
Sample : I2916-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

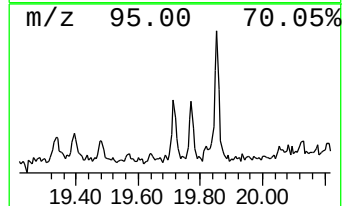
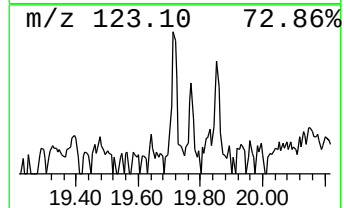
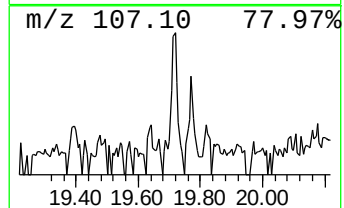
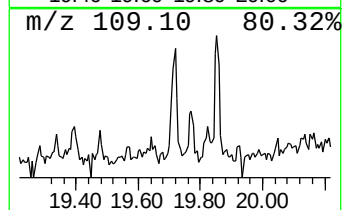
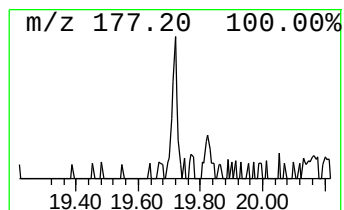
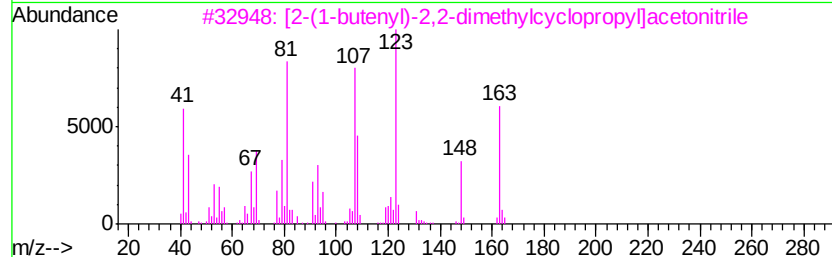
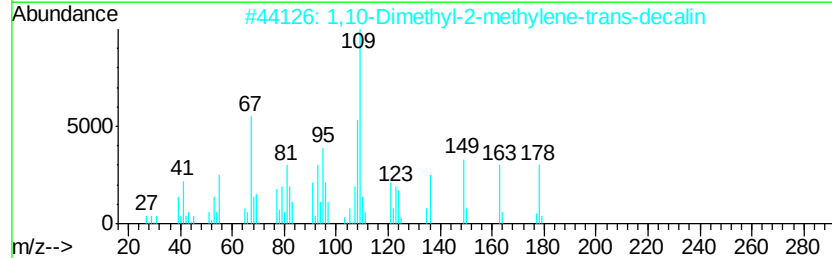
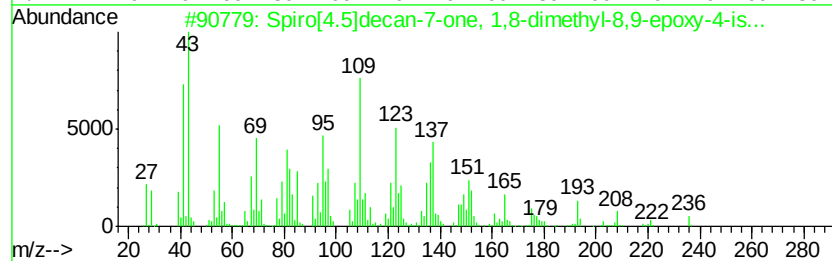
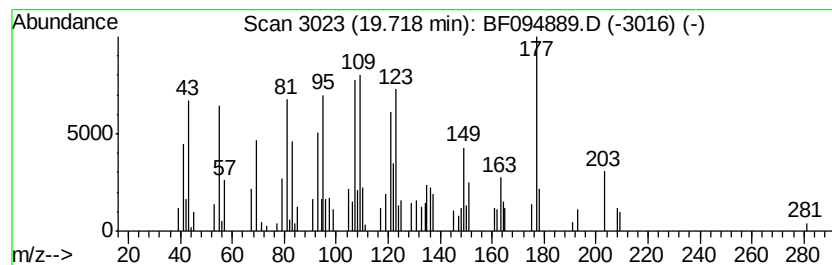
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown19.72 Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 19.72 | 3.43 ng | 90718 | Perylene-d12     | 20.30 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Spiro[4.5]decan-7-one, 1,8-dimet... | 236 | C15H24O2 | 061050-91-7  | 35   |
| 2    |    | 1,10-Dimethyl-2-methylene-trans-... | 178 | C13H22   | 1000103-97-8 | 30   |
| 3    |    | [2-(1-butenyl)-2,2-dimethylcyclo... | 163 | C11H17N  | 1000111-15-4 | 25   |
| 4    |    | 1-Butanamine, N-(2-furanylmethyl... | 165 | C10H15NO | 052074-26-7  | 15   |
| 5    |    | Cyclobutaneacetonitrile, 1-methy... | 149 | C10H15N  | 055760-14-0  | 14   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
Data File : BF094889.D  
Acq On : 4 May 2017 23:19  
Operator : SJ/MA  
Sample : I2916-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

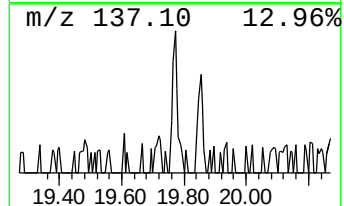
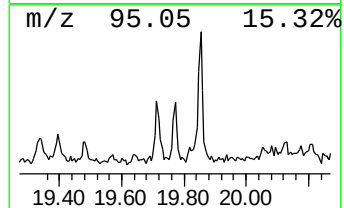
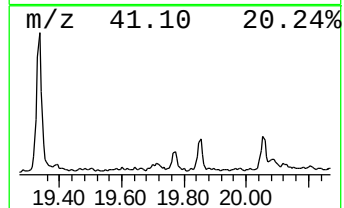
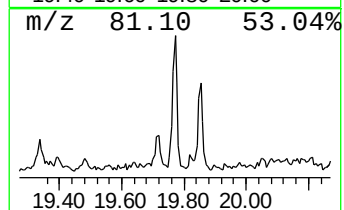
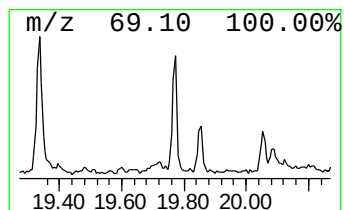
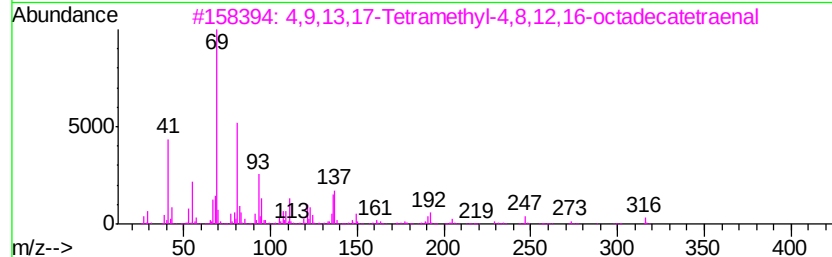
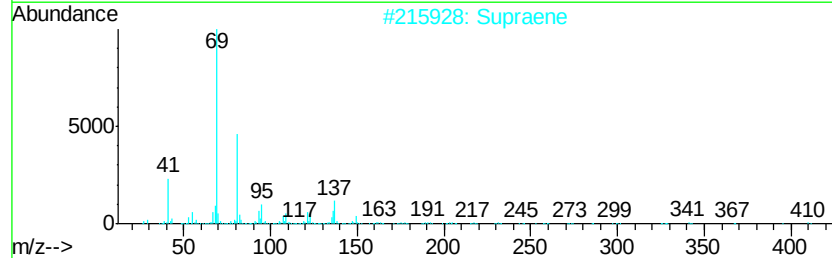
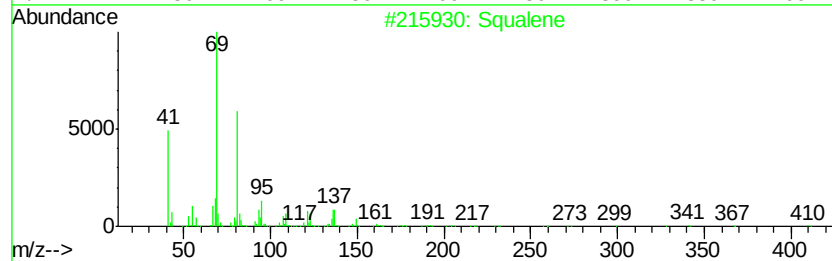
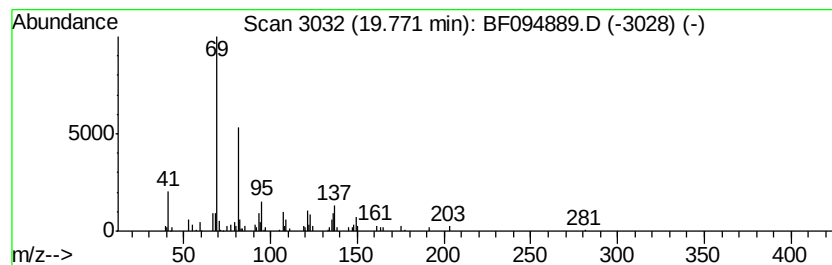
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ClientSampleId :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.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 Squalene Concentration Rank 14

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 19.77   | 2.81 ng                             | 74266        | Perylene-d12     | 20.30     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Squalene                            | 410 C30H50   | 000111-02-4      | 91        |
| 2       | Supraene                            | 410 C30H50   | 007683-64-9      | 91        |
| 3       | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 C22H36O  | 056882-09-8      | 83        |
| 4       | Hexadeca-2,6,10,14-tetraen-1-ol,... | 290 C20H34O  | 007614-21-3      | 78        |
| 5       | 4,8,12-Tetradecatrilal, 5,9,13-...  | 248 C17H28O  | 066408-55-7      | 64        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
Data File : BF094889.D  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

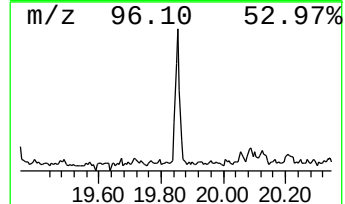
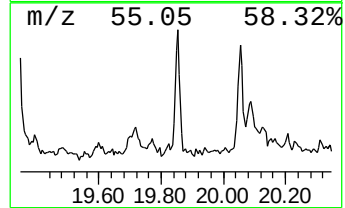
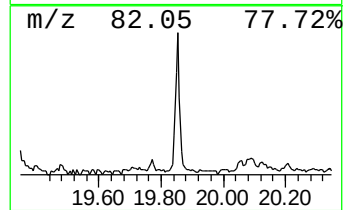
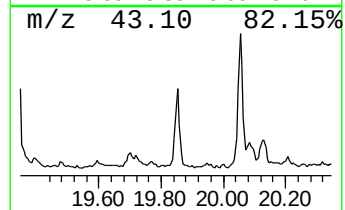
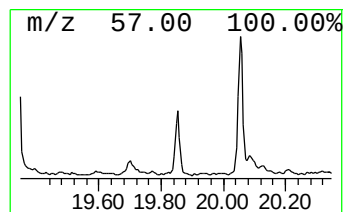
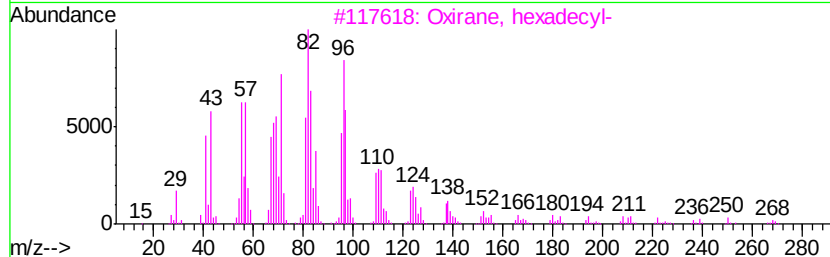
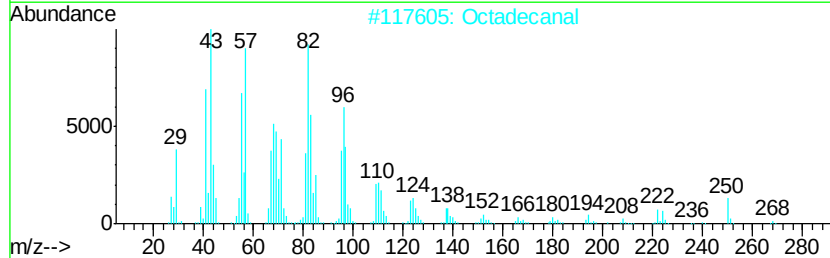
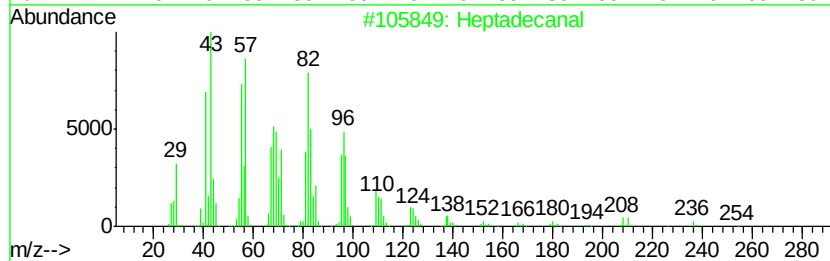
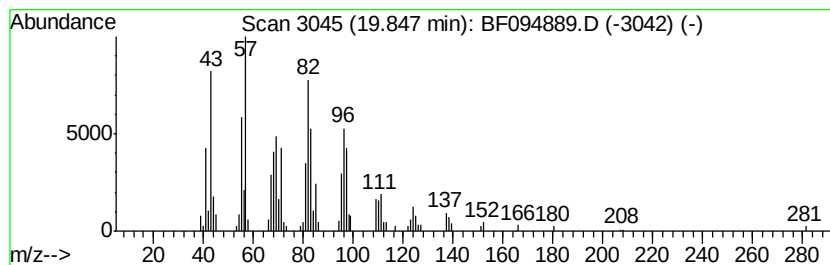
Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.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 Heptadecanal Concentration Rank 9

| R.T.      | EstConc              | Area   | Relative to ISTD | R.T.         |      |
|-----------|----------------------|--------|------------------|--------------|------|
| 19.85     | 6.60 ng              | 174750 | Perylene-d12     | 20.30        |      |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#         | Qual |
| 1         | Heptadecanal         | 254    | C17H34O          | 1000376-70-0 | 86   |
| 2         | Octadecanal          | 268    | C18H36O          | 000638-66-4  | 83   |
| 3         | Oxirane, hexadecyl-  | 268    | C18H36O          | 007390-81-0  | 76   |
| 4         | 1,16-Hexadecanediol  | 258    | C16H34O2         | 007735-42-4  | 76   |
| 5         | Oxirane, heptadecyl- | 282    | C19H38O          | 067860-04-2  | 74   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
SB-10-6.5-7.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

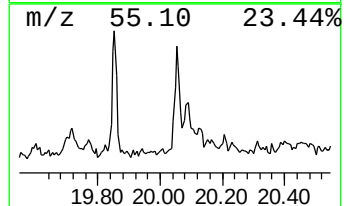
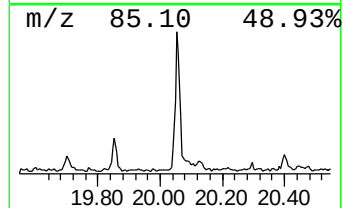
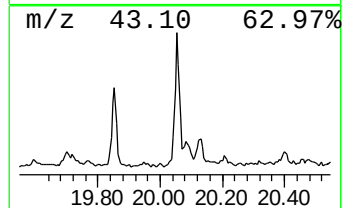
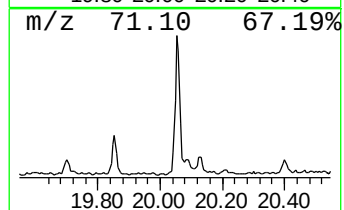
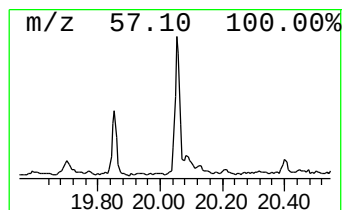
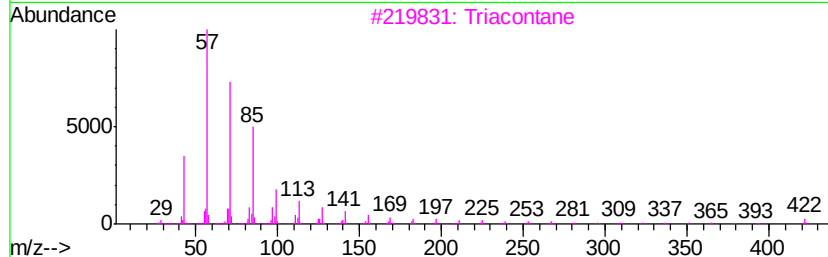
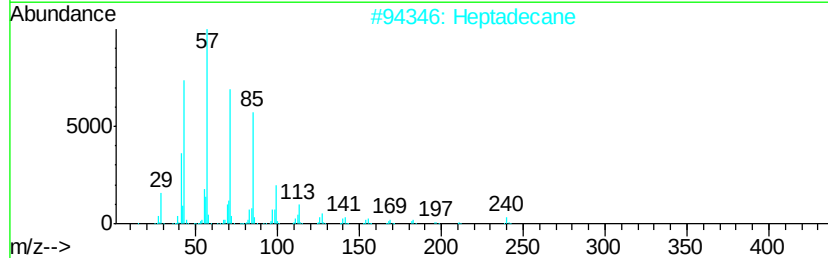
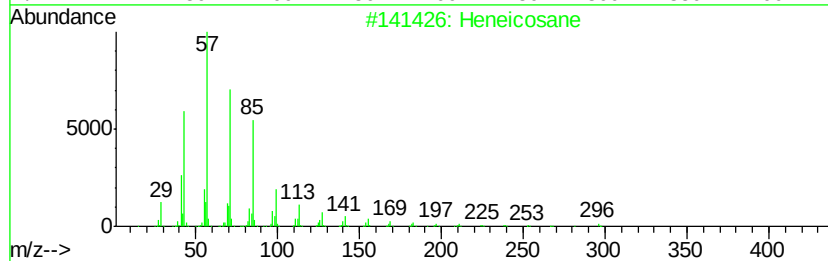
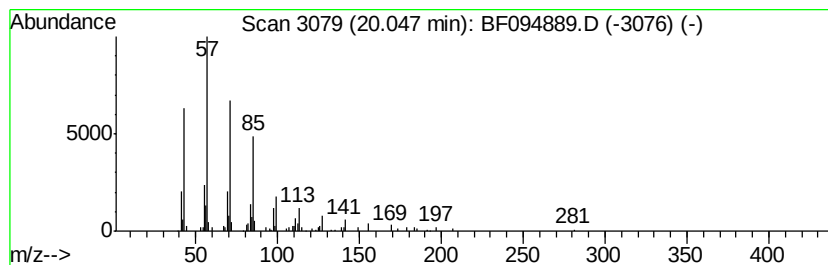
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Heneicosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.05 | 7.85 ng | 207653 | Perylene-d12     | 20.30 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane        | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Heptadecane        | 240 | C17H36  | 000629-78-7 | 91   |
| 3    |    | Triacotane         | 422 | C30H62  | 000638-68-6 | 91   |
| 4    |    | Octacosane         | 394 | C28H58  | 000630-02-4 | 90   |
| 5    |    | Eicosane, 7-hexyl- | 366 | C26H54  | 055333-99-8 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
Data File : BF094889.D  
Acq On : 4 May 2017 23:19  
Operator : SJ/MA  
Sample : I2916-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

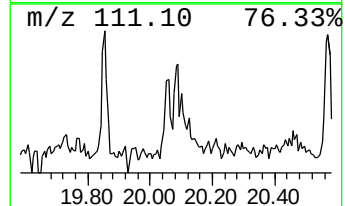
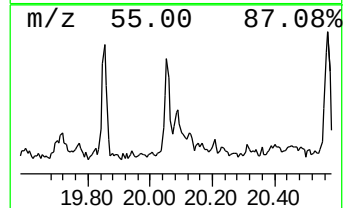
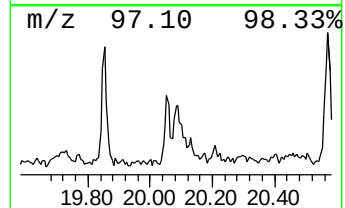
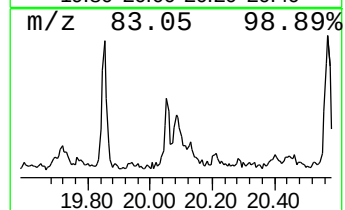
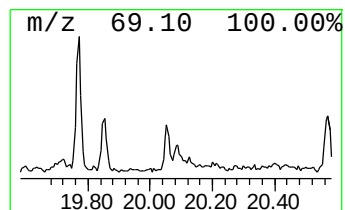
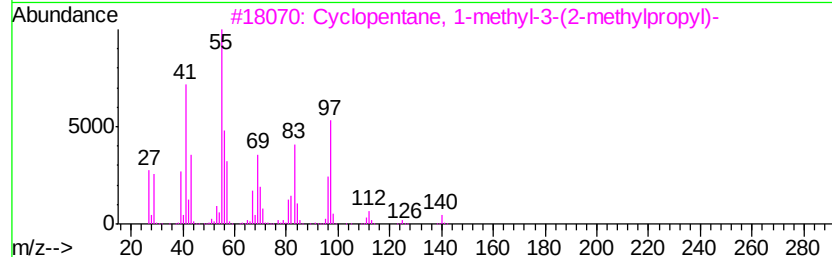
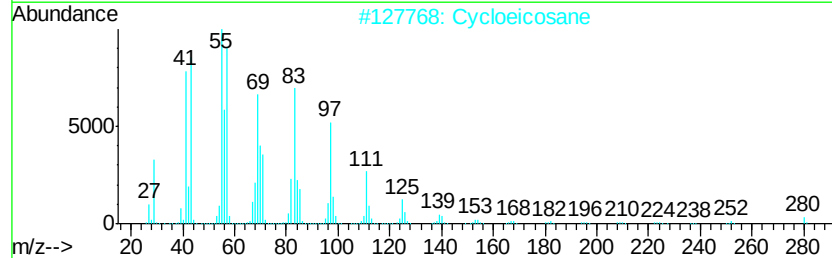
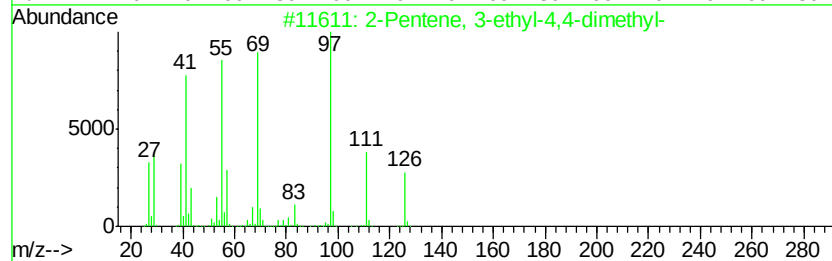
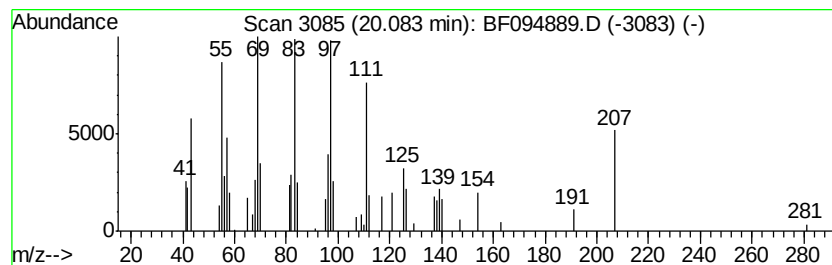
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 unknown20.08 Concentration Rank 15

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 20.08 | 2.68 ng | 70881 | Perylene-d12     | 20.30 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentene, 3-ethyl-4,4-dimethyl-     | 126 | C9H18   | 053907-59-8 | 38   |
| 2    |    |   | Cycloeicosane                        | 280 | C20H40  | 000296-56-0 | 38   |
| 3    |    |   | Cyclopentane, 1-methyl-3-(2-meth...  | 140 | C10H20  | 029053-04-1 | 38   |
| 4    |    |   | Cyclohexane, 1,2,4-trimethyl-, (...) | 126 | C9H18   | 007667-60-9 | 30   |
| 5    |    |   | 2-Acetonilycyclohexanone             | 154 | C9H14O2 | 006126-53-0 | 27   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
Data File : BF094889.D  
Acq On : 4 May 2017 23:19  
Operator : SJ/MA  
Sample : I2916-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

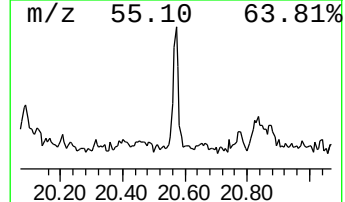
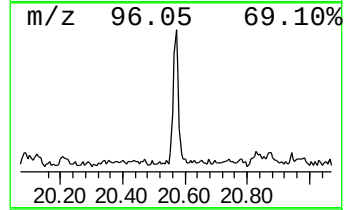
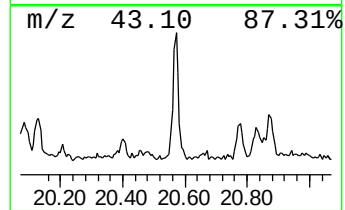
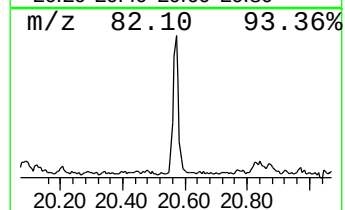
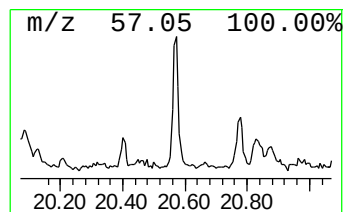
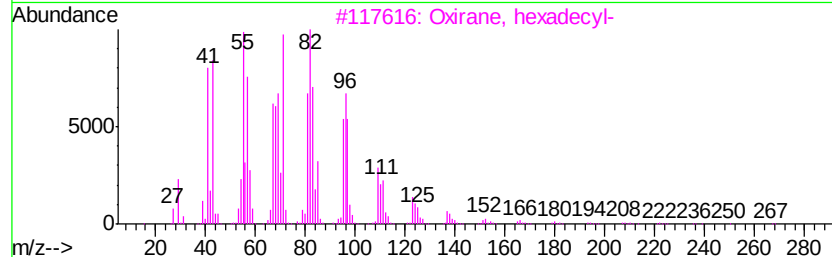
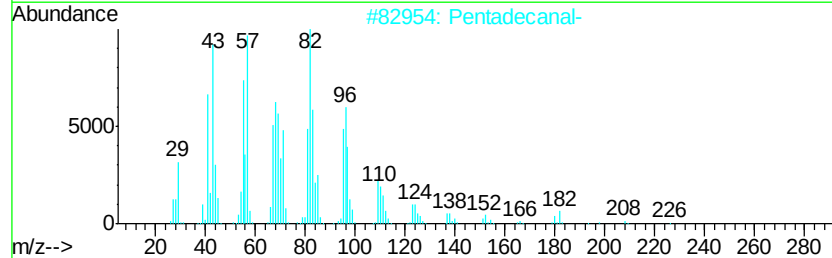
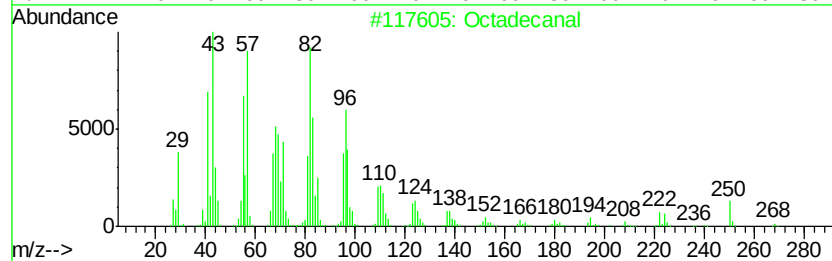
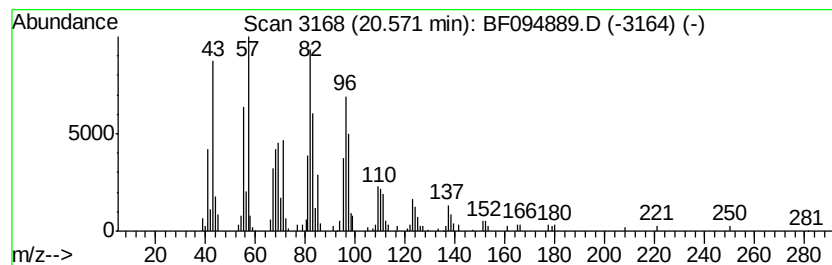
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Octadecanal Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.57 | 8.09 ng | 214072 | Perylene-d12     | 20.30 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecanal             | 268 | C18H36O | 000638-66-4 | 91   |
| 2    |    | Pentadecanal-           | 226 | C15H30O | 002765-11-9 | 90   |
| 3    |    | Oxirane, hexadecyl-     | 268 | C18H36O | 007390-81-0 | 87   |
| 4    |    | 1,19-Eicosadiene        | 278 | C20H38  | 014811-95-1 | 74   |
| 5    |    | Dodecane, 5-cyclohexyl- | 252 | C18H36  | 013151-85-4 | 53   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
Data File : BF094889.D  
Acq On : 4 May 2017 23:19  
Operator : SJ/MA  
Sample : I2916-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

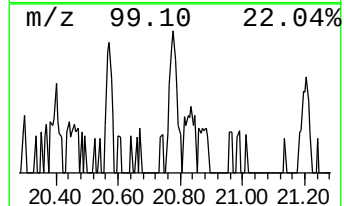
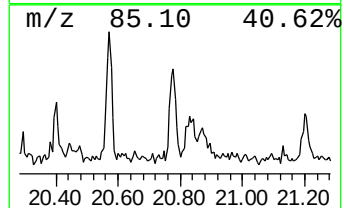
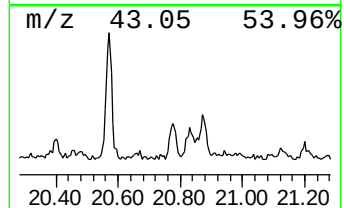
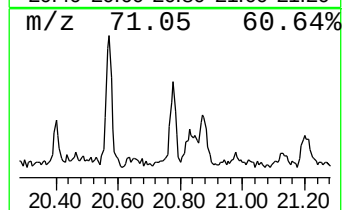
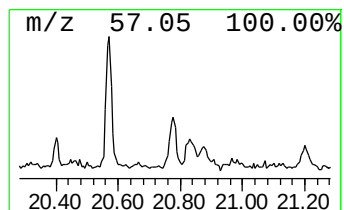
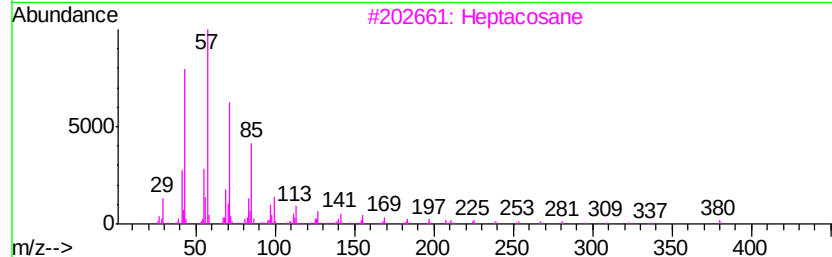
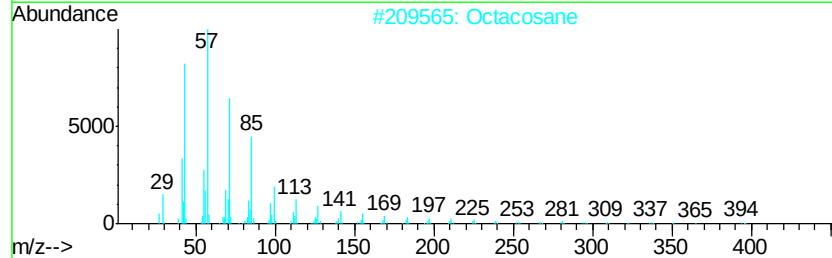
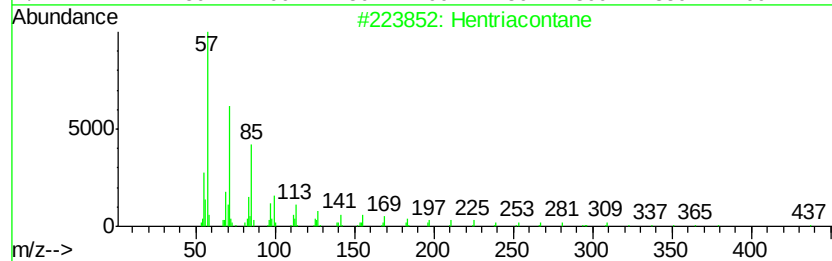
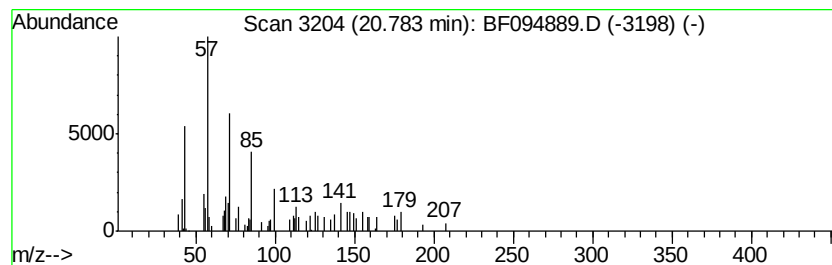
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Hentriacontane Concentration Rank 18

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 20.78 | 2.01 ng | 53113 | Perylene-d12     | 20.30 |

| Hit# | of | 5 | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------|-----|---------|-------------|------|
| 1    |    |   | Hentriacontane | 437 | C31H64  | 000630-04-6 | 87   |
| 2    |    |   | Octacosane     | 394 | C28H58  | 000630-02-4 | 74   |
| 3    |    |   | Heptacosane    | 380 | C27H56  | 000593-49-7 | 74   |
| 4    |    |   | Hexacosane     | 366 | C26H54  | 000630-01-3 | 74   |
| 5    |    |   | Pentacosane    | 352 | C25H52  | 000629-99-2 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
Data File : BF094889.D  
Acq On : 4 May 2017 23:19  
Operator : SJ/MA  
Sample : I2916-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

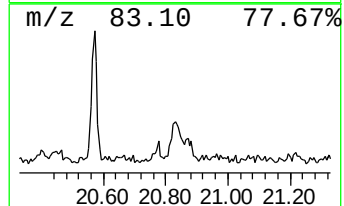
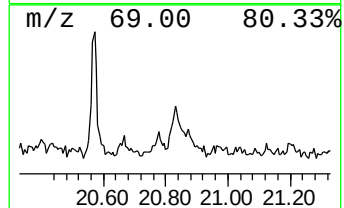
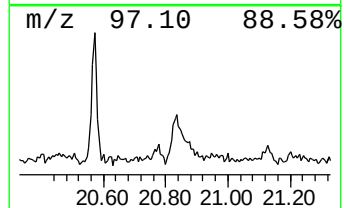
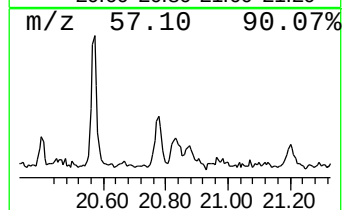
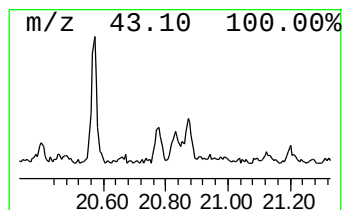
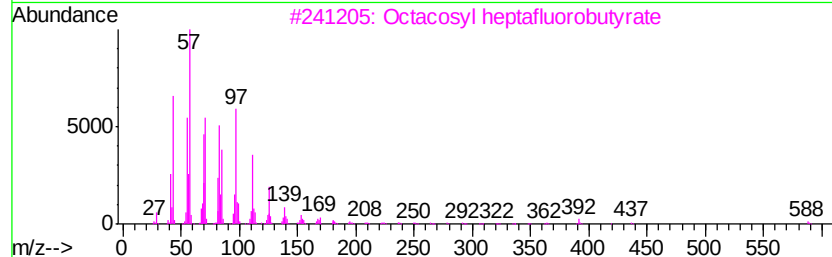
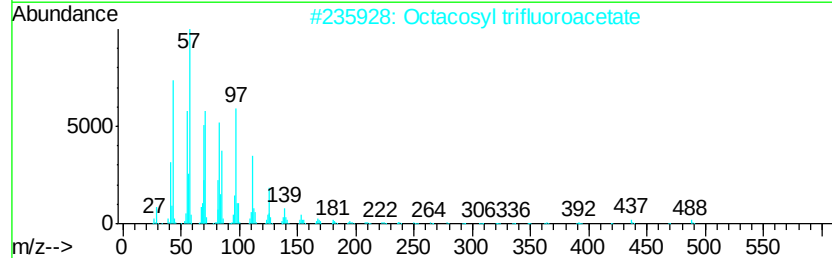
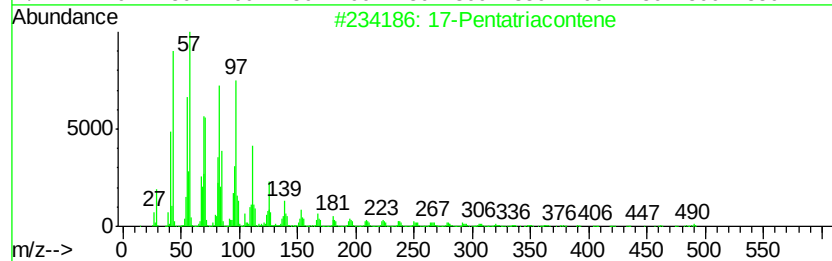
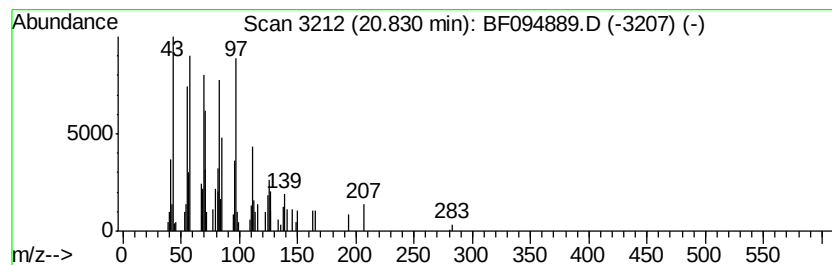
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 17-Pentatriacontene Concentration Rank 13

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 20.83 | 3.04 ng | 80557 | Perylene-d12     | 20.30 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm    | CAS#         | Qual |
|------|----|---|----------------------------------|-----|------------|--------------|------|
| 1    |    |   | 17-Pentatriacontene              | 491 | C35H70     | 006971-40-0  | 64   |
| 2    |    |   | Octacosyl trifluoroacetate       | 506 | C30H57F3O2 | 1000351-74-9 | 62   |
| 3    |    |   | Octacosyl heptafluorobutyrate    | 606 | C32H57F7O2 | 1000351-83-6 | 58   |
| 4    |    |   | Dotriacontyl trifluoroacetate    | 562 | C34H65F3O2 | 1000351-75-4 | 58   |
| 5    |    |   | Dotriacontyl heptafluorobutyrate | 662 | C36H65F7O2 | 1000351-84-2 | 58   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
Data File : BF094889.D  
Acq On : 4 May 2017 23:19  
Operator : SJ/MA  
Sample : I2916-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

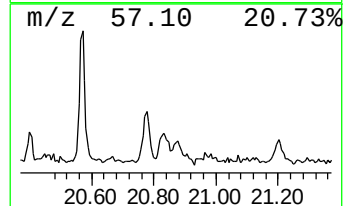
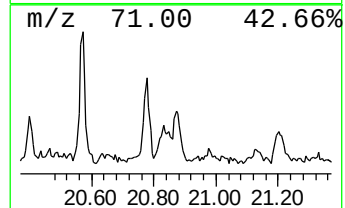
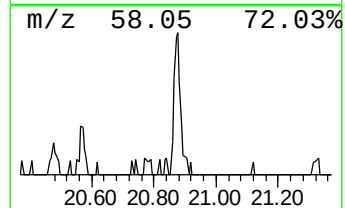
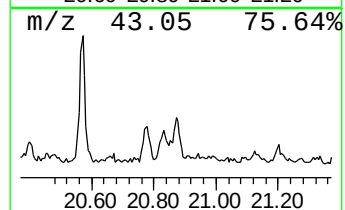
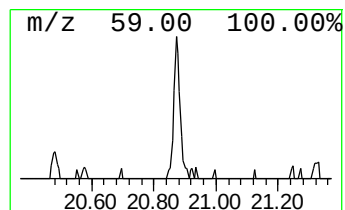
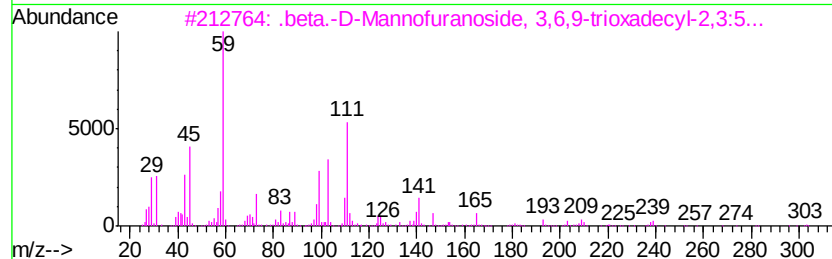
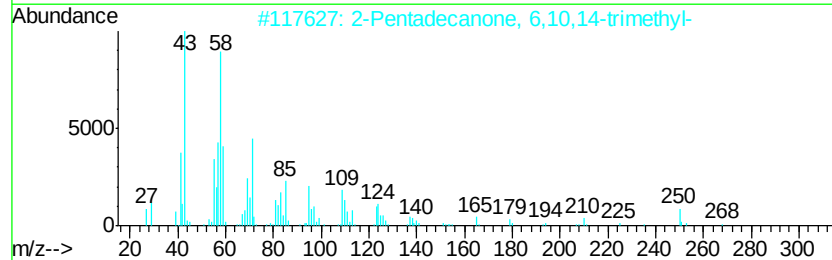
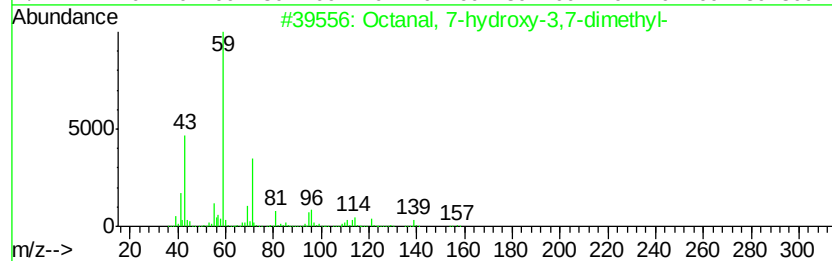
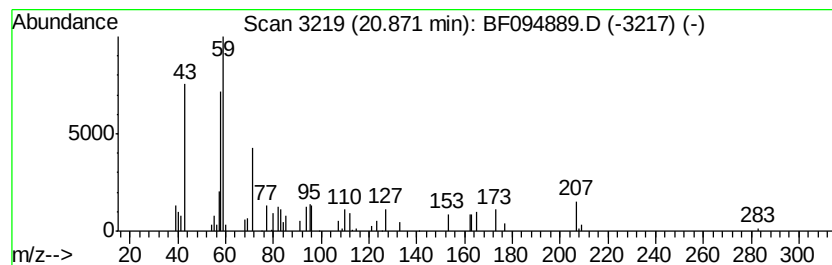
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 unknown20.87 Concentration Rank 17

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 20.87 | 2.10 ng | 55520 | Perylene-d12     | 20.30 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Octanal, 7-hydroxy-3,7-dimethyl-    | 172 | C10H20O2   | 000107-75-5  | 43   |
| 2    |    | 2-Pentadecanone, 6,10,14-trimethyl- | 268 | C18H36O    | 000502-69-2  | 35   |
| 3    |    | .beta.-D-Mannofuranoside, 3,6,9-... | 402 | C17H32B2O9 | 1000155-77-2 | 32   |
| 4    |    | 2-Heptadecanone                     | 254 | C17H34O    | 002922-51-2  | 25   |
| 5    |    | Glycine, N-(2-methoxyethoxycarbo... | 235 | C9H17NO6   | 1000328-06-4 | 23   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
Data File : BF094889.D  
Acq On : 4 May 2017 23:19  
Operator : SJ/MA  
Sample : I2916-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

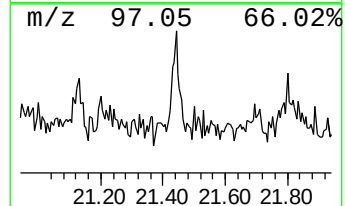
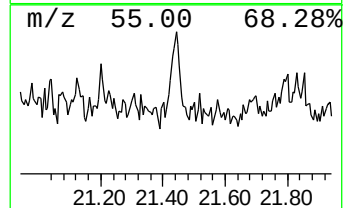
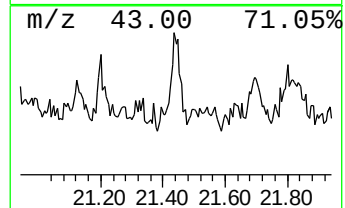
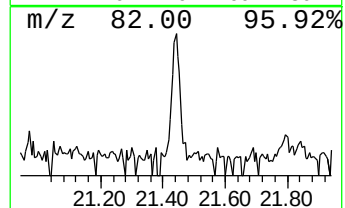
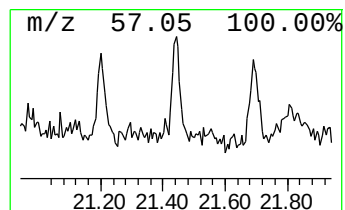
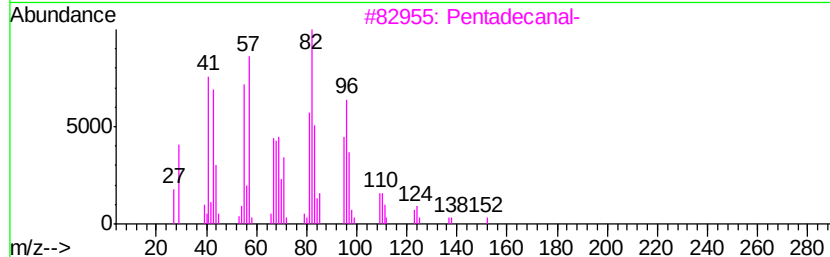
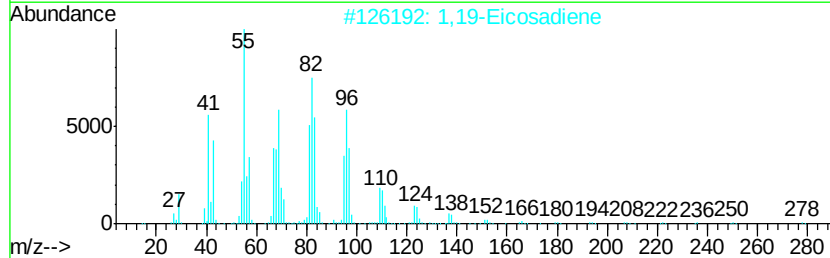
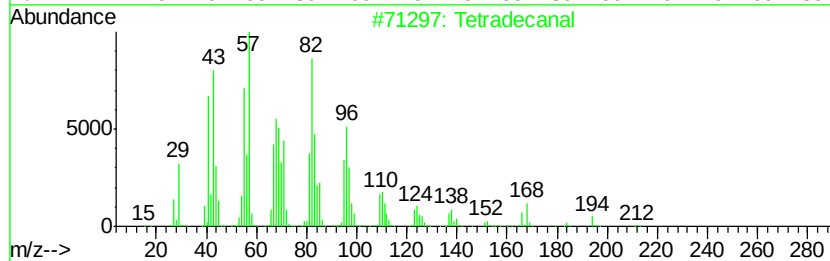
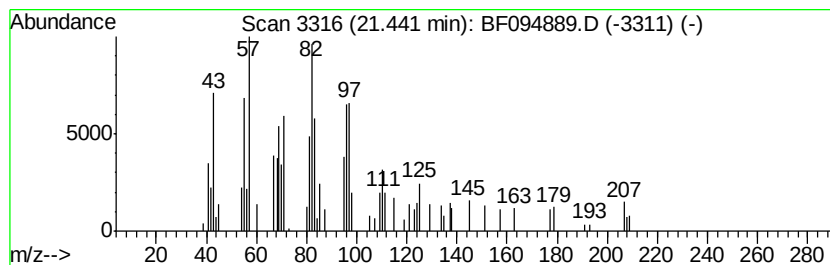
Instrument :  
BNA\_F  
ClientSampled :  
SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.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 Tetradeanal Concentration Rank 16

| R.T.      | EstConc             | Area  | Relative to ISTD |             | R.T.  |
|-----------|---------------------|-------|------------------|-------------|-------|
| 21.44     | 2.38 ng             | 62912 | Perylene-d12     |             | 20.30 |
| Hit# of 5 | Tentative ID        | MW    | MolForm          | CAS#        | Qual  |
| 1         | Tetradecanal        | 212   | C14H28O          | 000124-25-4 | 64    |
| 2         | 1,19-Eicosadiene    | 278   | C20H38           | 014811-95-1 | 58    |
| 3         | Pentadecanal-       | 226   | C15H30O          | 002765-11-9 | 58    |
| 4         | 1,16-Hexadecanediol | 258   | C16H34O2         | 007735-42-4 | 52    |
| 5         | Oxirane, hexadecyl- | 268   | C18H36O          | 007390-81-0 | 52    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050417\  
 Data File : BF094889.D  
 Acq On : 4 May 2017 23:19  
 Operator : SJ/MA  
 Sample : I2916-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-10-6.5-7.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.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 |
| 2-Pentanone, 4-hy... | 5.03  | 24.8    | ng    | 584957   | 1                     | 7.72  | 472370 | 20.0 |
| unknown7.38          | 7.38  | 112.0   | ng    | 2646140  | 1                     | 7.72  | 472370 | 20.0 |
| Tridecanoic acid     | 15.94 | 6.0     | ng    | 221155   | 4                     | 14.97 | 743771 | 20.0 |
| Picein               | 18.29 | 14.8    | ng    | 518834   | 5                     | 18.64 | 702149 | 20.0 |
| unknown18.42         | 18.42 | 3.6     | ng    | 127767   | 5                     | 18.64 | 702149 | 20.0 |
| Octacosane           | 18.55 | 15.7    | ng    | 551750   | 5                     | 18.64 | 702149 | 20.0 |
| Heptadecane          | 19.34 | 23.2    | ng    | 814600   | 5                     | 18.64 | 702149 | 20.0 |
| unknown19.72         | 19.72 | 3.4     | ng    | 90718    | 6                     | 20.30 | 529195 | 20.0 |
| Squalene             | 19.77 | 2.8     | ng    | 74266    | 6                     | 20.30 | 529195 | 20.0 |
| Heptadecanal         | 19.85 | 6.6     | ng    | 174750   | 6                     | 20.30 | 529195 | 20.0 |
| Heneicosane          | 20.05 | 7.8     | ng    | 207653   | 6                     | 20.30 | 529195 | 20.0 |
| unknown20.08         | 20.08 | 2.7     | ng    | 70881    | 6                     | 20.30 | 529195 | 20.0 |
| Octadecanal          | 20.57 | 8.1     | ng    | 214072   | 6                     | 20.30 | 529195 | 20.0 |
| Hentriacontane       | 20.78 | 2.0     | ng    | 53113    | 6                     | 20.30 | 529195 | 20.0 |
| 17-Pentatriacontene  | 20.83 | 3.0     | ng    | 80557    | 6                     | 20.30 | 529195 | 20.0 |
| unknown20.87         | 20.87 | 2.1     | ng    | 55520    | 6                     | 20.30 | 529195 | 20.0 |
| Tetradecanal         | 21.44 | 2.4     | ng    | 62912    | 6                     | 20.30 | 529195 | 20.0 |