

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021418\  
 Data File : BF102987.D  
 Acq On : 14 Feb 2018 14:15  
 Operator : SJ/JU  
 Sample : J1530-46  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-02

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-BF020318.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         | 2.169       | 8             | 14          | 26           | rVB      | 900420         | 1251594       | 31.23%          | 3.641%        |
| 2         | 3.969       | 316           | 320         | 325          | rVB      | 42517          | 55358         | 1.38%           | 0.161%        |
| 3         | 5.116       | 511           | 515         | 526          | rVB      | 103406         | 140420        | 3.50%           | 0.409%        |
| 4         | 5.498       | 575           | 580         | 584          | rBV      | 3803019        | 4007535       | 100.00%         | 11.660%       |
| 5         | 6.510       | 746           | 752         | 768          | rVB      | 3533263        | 3998791       | 99.78%          | 11.634%       |
| 6         | 6.645       | 771           | 775         | 779          | rBV      | 3735575        | 3931379       | 98.10%          | 11.438%       |
| 7         | 6.875       | 810           | 814         | 818          | rBV      | 1275640        | 1024900       | 25.57%          | 2.982%        |
| 8         | 7.034       | 836           | 841         | 844          | rBV      | 3399628        | 3020976       | 75.38%          | 8.789%        |
| 9         | 7.439       | 905           | 910         | 913          | rBV      | 2588737        | 2550761       | 63.65%          | 7.421%        |
| 10        | 8.157       | 1028          | 1032        | 1036         | rBV      | 1502042        | 1306558       | 32.60%          | 3.801%        |
| 11        | 9.233       | 1210          | 1215        | 1218         | rBV      | 4101714        | 3699029       | 92.30%          | 10.762%       |
| 12        | 9.304       | 1224          | 1227        | 1230         | rVB      | 64080          | 48269         | 1.20%           | 0.140%        |
| 13        | 9.622       | 1277          | 1281        | 1284         | rBV      | 326548         | 278051        | 6.94%           | 0.809%        |
| 14        | 9.833       | 1314          | 1317        | 1321         | rVB      | 178166         | 138824        | 3.46%           | 0.404%        |
| 15        | 9.916       | 1327          | 1331        | 1339         | rVB      | 1354582        | 1228411       | 30.65%          | 3.574%        |
| 16        | 10.333      | 1400          | 1402        | 1405         | rVB      | 163401         | 123505        | 3.08%           | 0.359%        |
| 17        | 10.557      | 1434          | 1440        | 1442         | rBV2     | 38466          | 49651         | 1.24%           | 0.144%        |
| 18        | 10.704      | 1461          | 1465        | 1474         | rVB      | 1819390        | 1642062       | 40.97%          | 4.777%        |
| 19        | 10.810      | 1480          | 1483        | 1490         | rVB      | 102865         | 111472        | 2.78%           | 0.324%        |
| 20        | 11.257      | 1555          | 1559        | 1561         | rBV      | 62684          | 55510         | 1.39%           | 0.162%        |
| 21        | 11.404      | 1580          | 1584        | 1587         | rBV      | 987766         | 904763        | 22.58%          | 2.632%        |
| 22        | 12.086      | 1697          | 1700        | 1703         | rBV      | 52357          | 45881         | 1.14%           | 0.133%        |
| 23        | 12.486      | 1761          | 1768        | 1771         | rBV3     | 83361          | 99072         | 2.47%           | 0.288%        |
| 24        | 12.986      | 1848          | 1853        | 1856         | rBV      | 2631901        | 2415942       | 60.28%          | 7.029%        |
| 25        | 13.863      | 1999          | 2002        | 2011         | rBV      | 382613         | 438599        | 10.94%          | 1.276%        |
| 26        | 14.039      | 2029          | 2032        | 2036         | rBV      | 831640         | 859997        | 21.46%          | 2.502%        |
| 27        | 14.498      | 2108          | 2110        | 2114         | rVB3     | 43294          | 46991         | 1.17%           | 0.137%        |
| 28        | 14.874      | 2171          | 2174        | 2178         | rVB      | 140978         | 152286        | 3.80%           | 0.443%        |
| 29        | 15.521      | 2279          | 2284        | 2290         | rBV      | 595545         | 744344        | 18.57%          | 2.166%        |

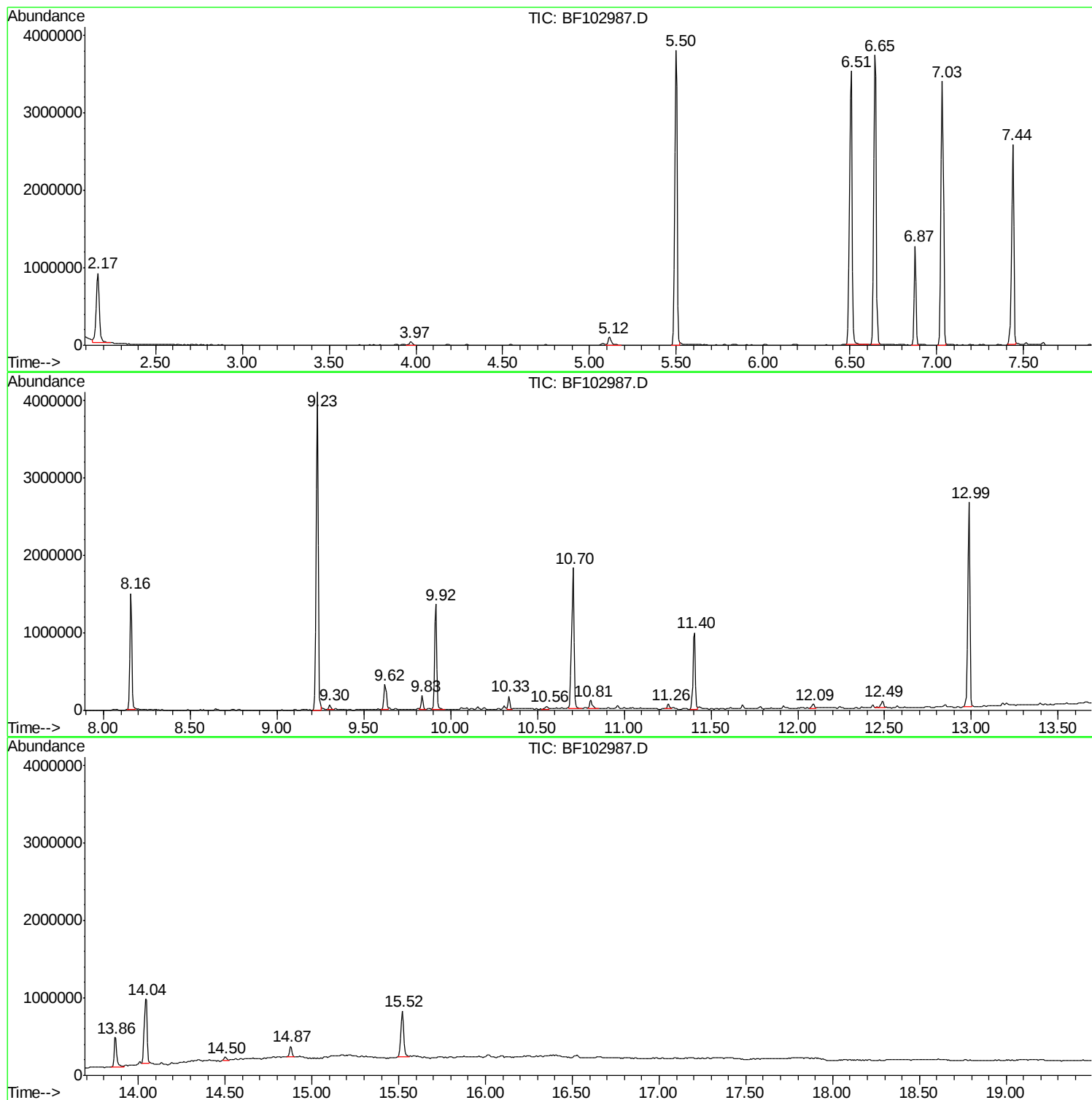
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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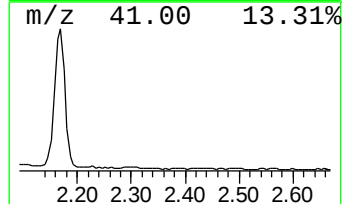
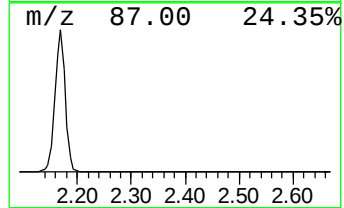
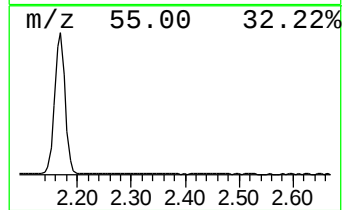
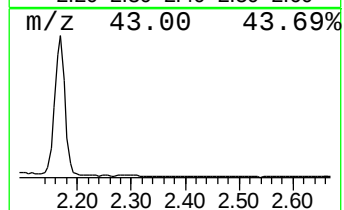
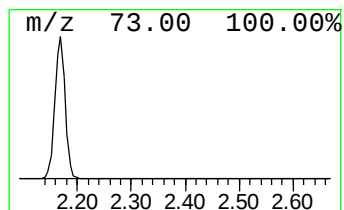
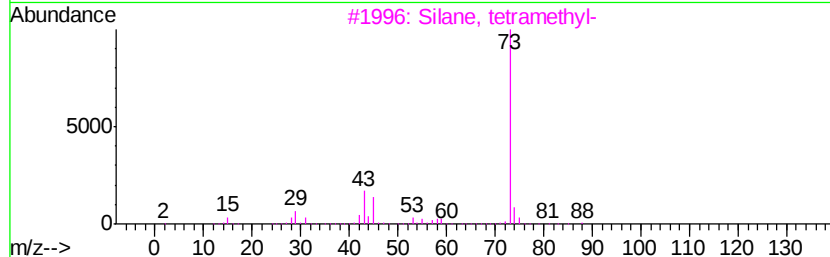
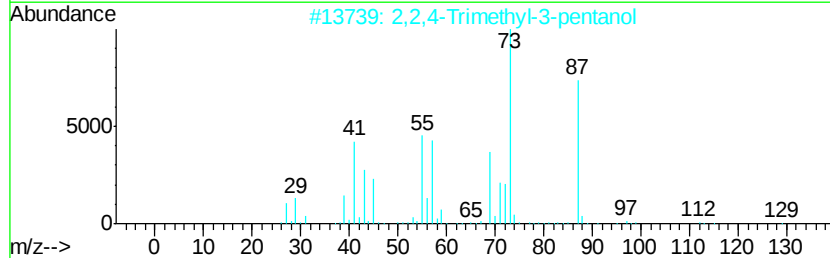
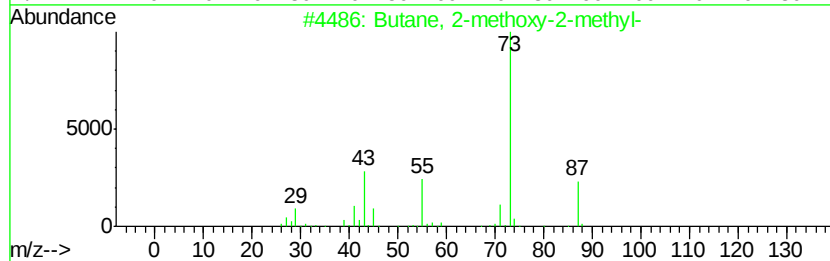
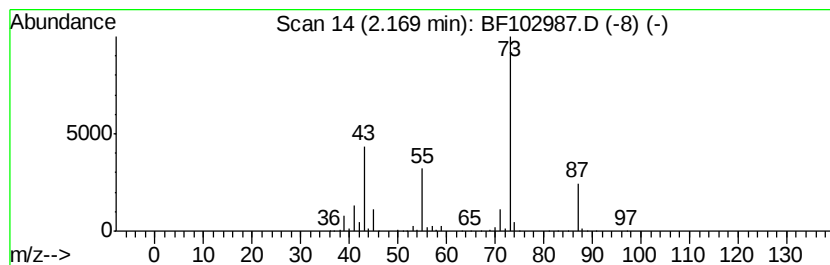
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 2.17 | 24.42 ng | 1251590 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 38   |
| 4    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 37   |
| 5    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |



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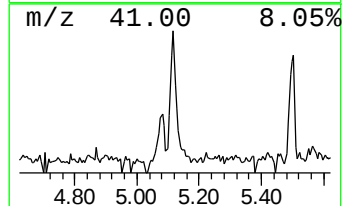
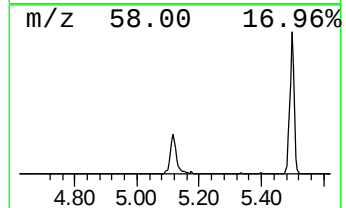
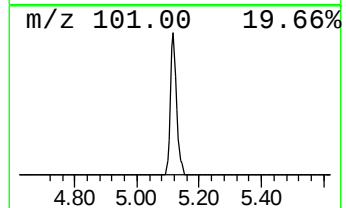
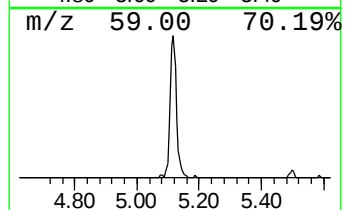
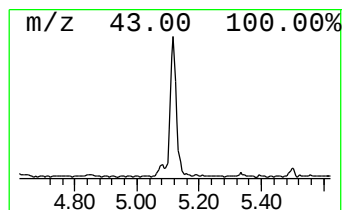
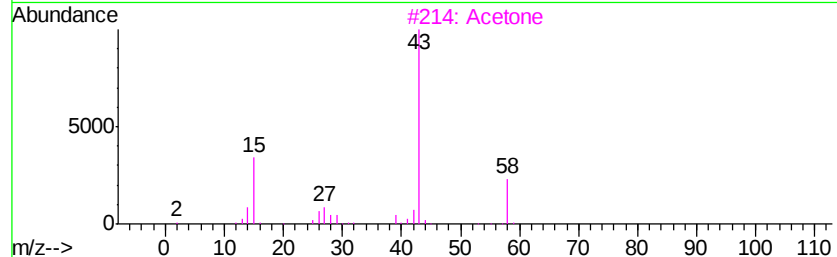
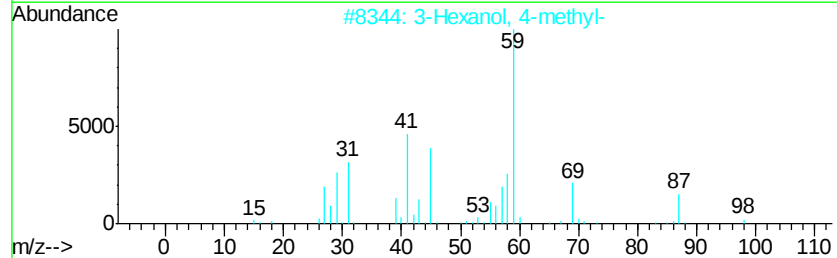
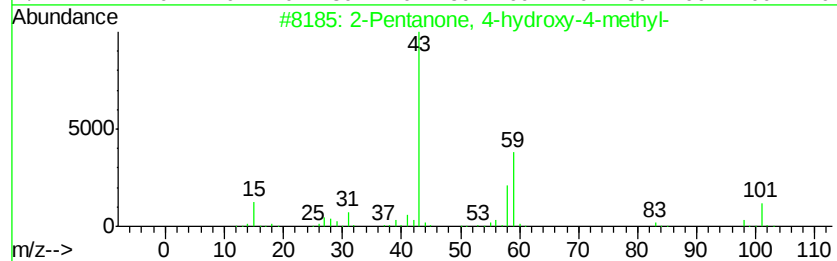
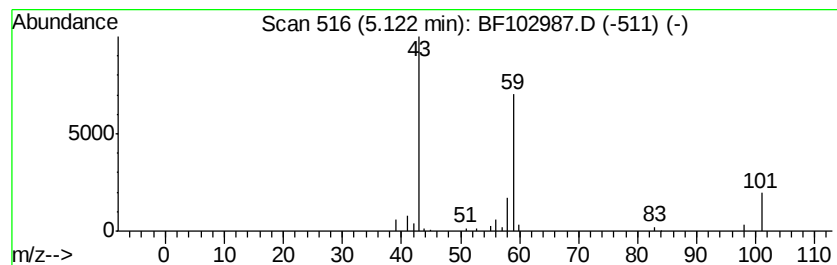
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.12 | 2.74 ng | 140420 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of | 5                                | Tentative ID | MW      | MolForm | CAS#        | Qual |
|---------|----------------------------------|--------------|---------|---------|-------------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl- | 116          | C6H12O2 |         | 000123-42-2 | 59   |
| 2       | 3-Hexanol, 4-methyl-             | 116          | C7H16O  |         | 000615-29-2 | 33   |
| 3       | Acetone                          | 58           | C3H6O   |         | 000067-64-1 | 9    |
| 4       | 2-Pentanol, 2,4-dimethyl-        | 116          | C7H16O  |         | 000625-06-9 | 9    |
| 5       | 3-Hydroxy-3-methyl-2-butanone    | 102          | C5H10O2 |         | 000115-22-0 | 9    |



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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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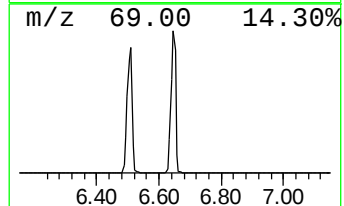
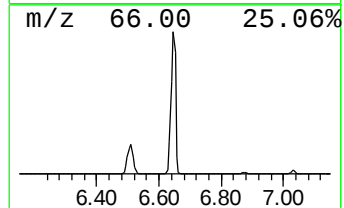
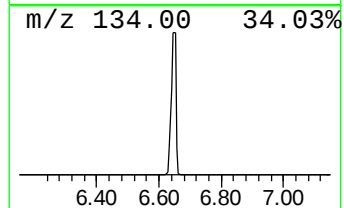
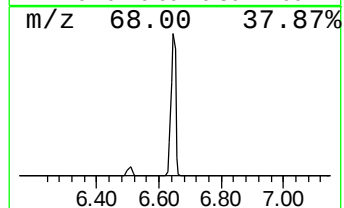
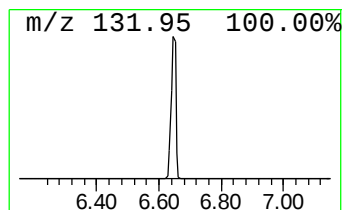
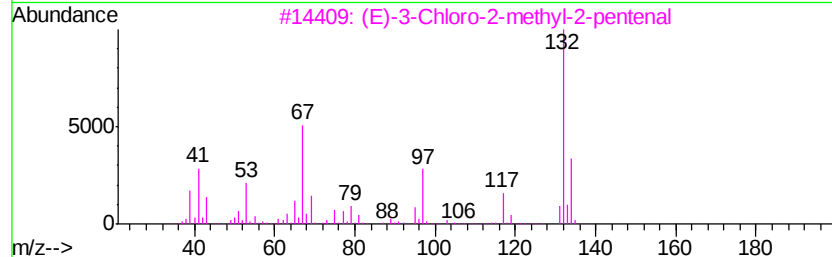
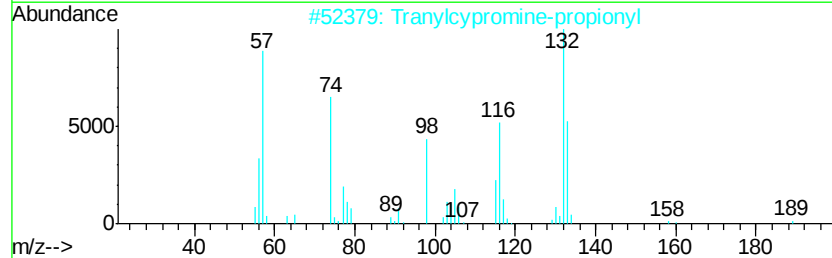
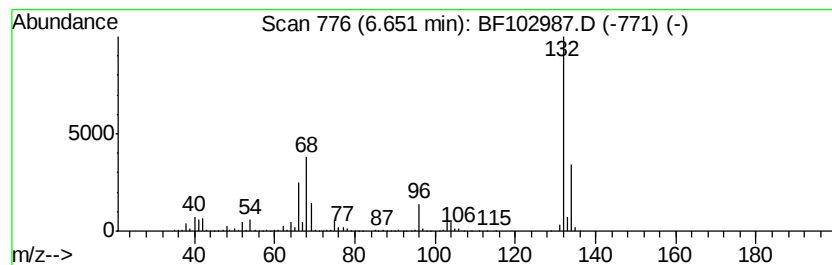
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 3 unknown6.65 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.65 | 76.72 ng | 3931380 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 9    |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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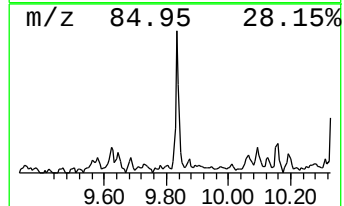
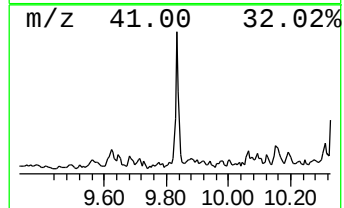
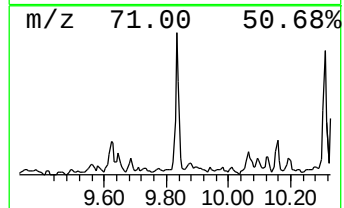
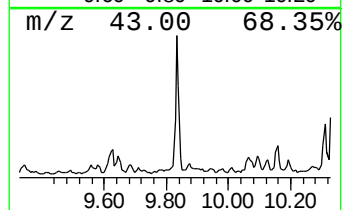
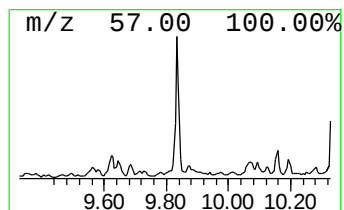
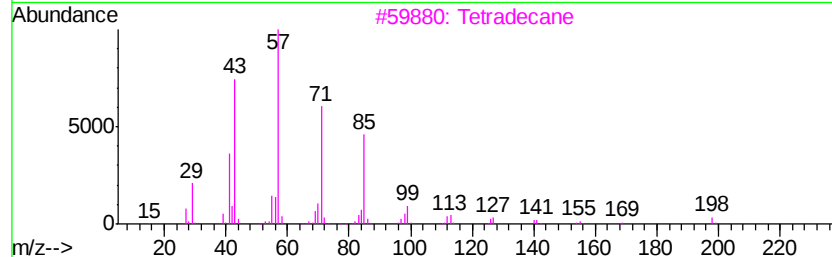
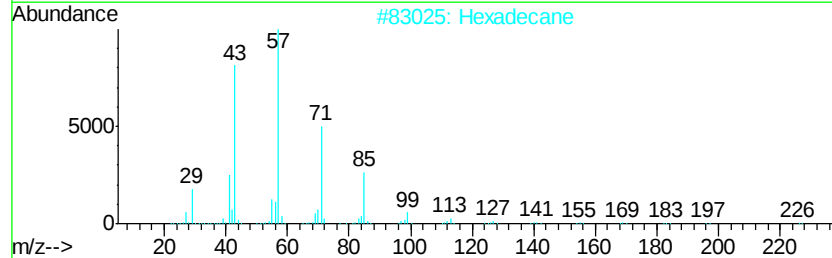
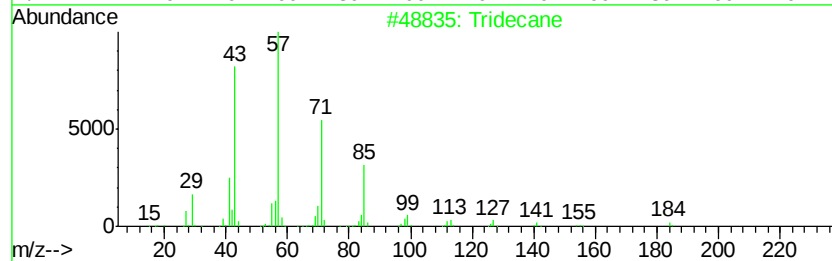
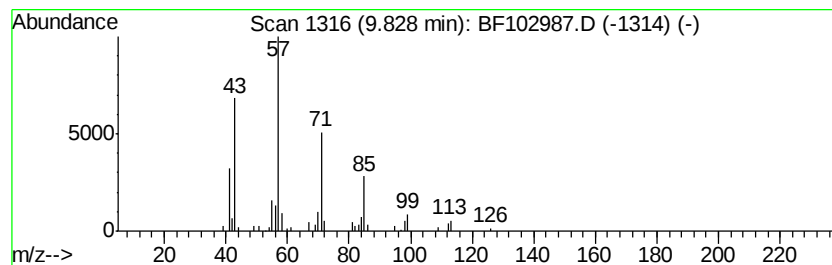
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Peak Number 5 Tridecane Concentration Rank 8

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.83 | 2.26 ng | 138824 | Acenaphthene-d10 | 9.92 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|-----------|--------------|------|
| 1       | Tridecane                           |              | 184 | C13H28    | 000629-50-5  | 90   |
| 2       | Hexadecane                          |              | 226 | C16H34    | 000544-76-3  | 87   |
| 3       | Tetradecane                         |              | 198 | C14H30    | 000629-59-4  | 86   |
| 4       | Tetratetracontane                   |              | 619 | C44H90    | 007098-22-8  | 83   |
| 5       | Sulfurous acid, 2-ethylhexyl hex... |              | 278 | C14H30O3S | 1000309-20-2 | 80   |



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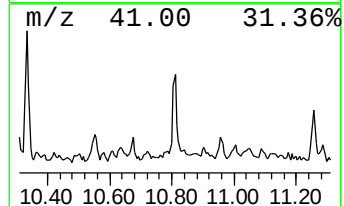
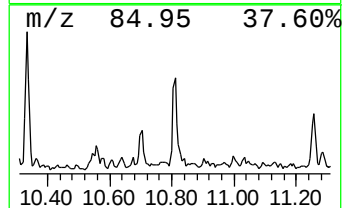
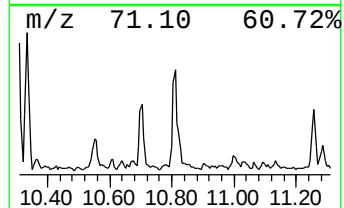
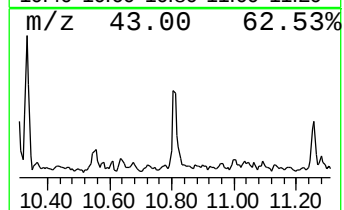
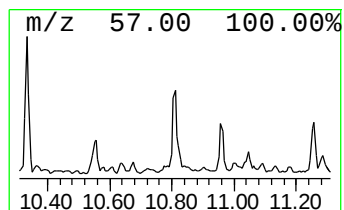
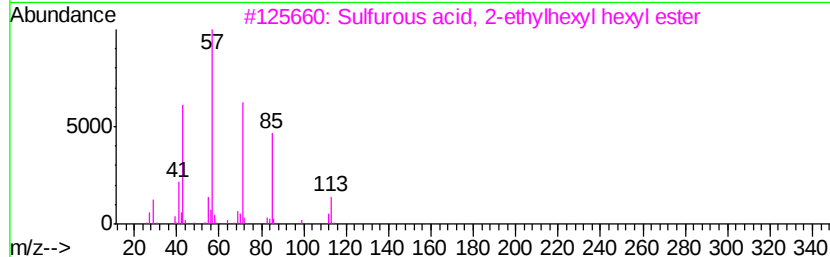
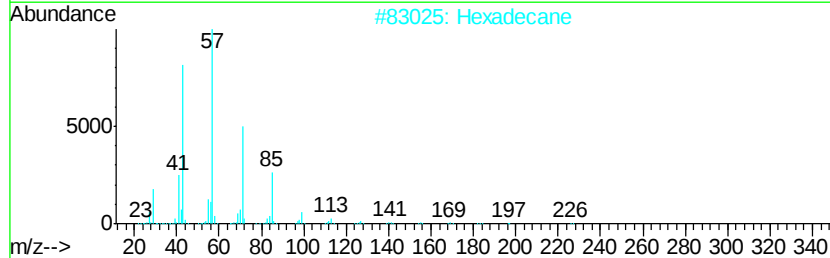
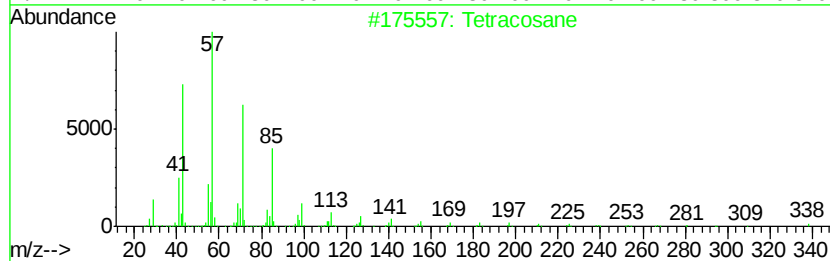
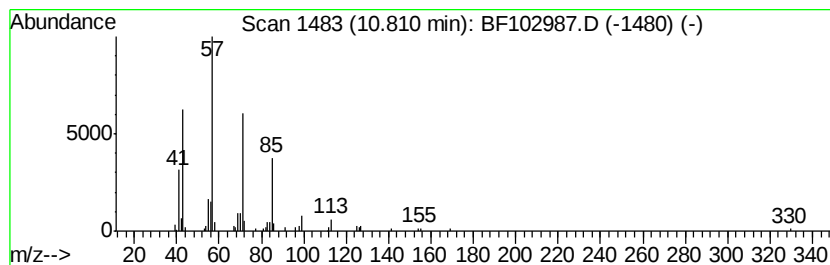
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Peak Number 7 Tetracosane Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 10.81     | 2.46 ng                             | 111472 | Phenanthrene-d10 | 11.40        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Tetracosane                         | 338    | C24H50           | 000646-31-1  | 86   |
| 2         | Hexadecane                          | 226    | C16H34           | 000544-76-3  | 83   |
| 3         | Sulfurous acid, 2-ethylhexyl hex... | 278    | C14H30O3S        | 1000309-20-2 | 78   |
| 4         | Dodecane, 2-methyl-6-propyl-        | 226    | C16H34           | 055045-08-4  | 72   |
| 5         | Borane, diethyl(decyloxy)-          | 226    | C14H31BO         | 1000152-34-3 | 64   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\  
Data File : BF102987.D  
Acq On : 14 Feb 2018 14:15  
Operator : SJ/JU  
Sample : J1530-46  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-02

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

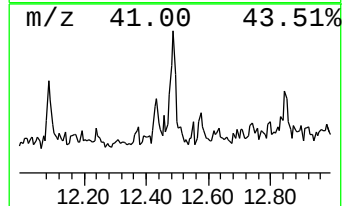
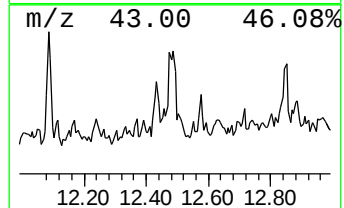
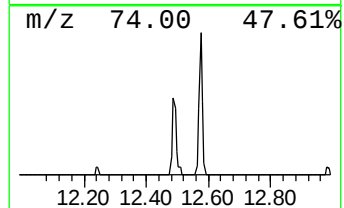
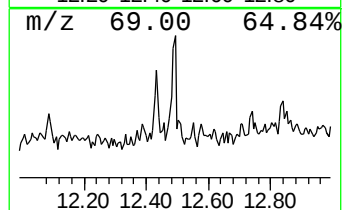
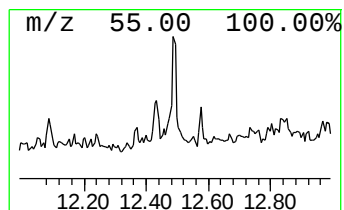
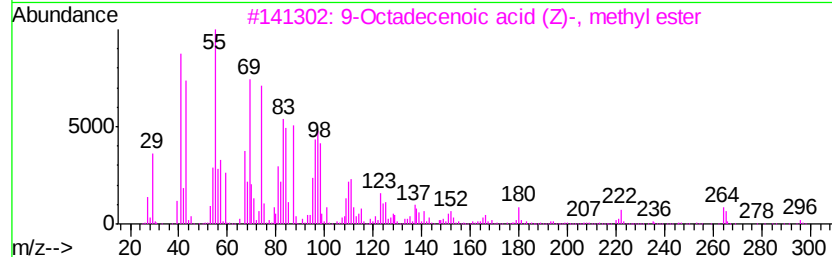
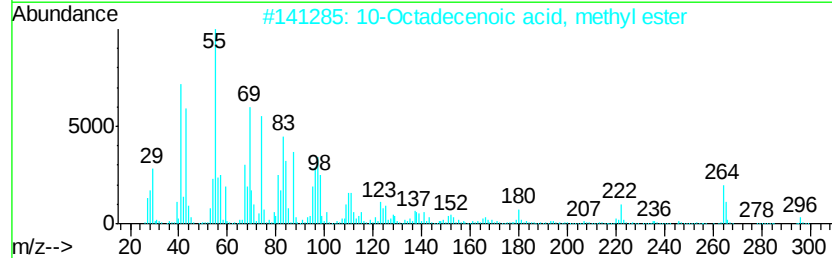
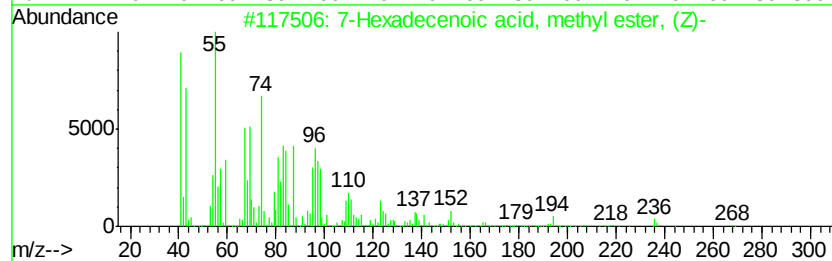
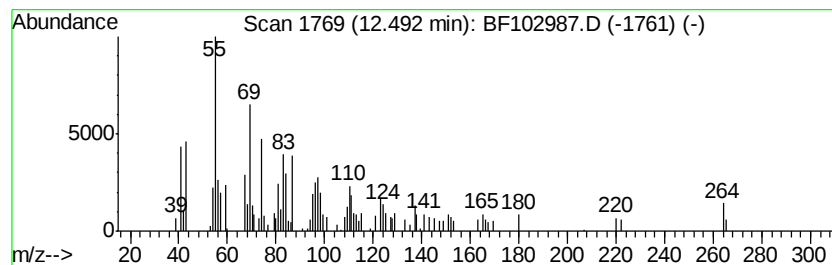
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 7-Hexadecenoic acid, methyl... Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.49 | 2.19 ng | 99072 | Phenanthrene-d10 | 11.40 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 7-Hexadecenoic acid, methyl este... | 268 | C17H32O2 | 056875-67-3 | 90   |
| 2       |   | 10-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 013481-95-3 | 81   |
| 3       |   | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 81   |
| 4       |   | 9-Hexadecenoic acid, methyl este... | 268 | C17H32O2 | 001120-25-8 | 74   |
| 5       |   | 15-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 004764-72-1 | 72   |



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Operator : SJ/JU  
Sample : J1530-46  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-02

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

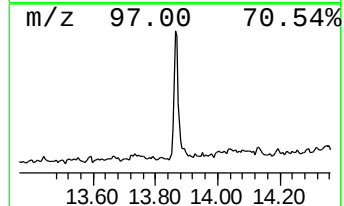
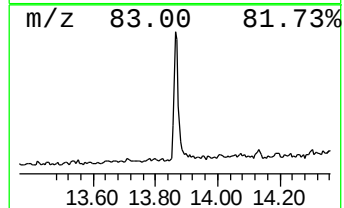
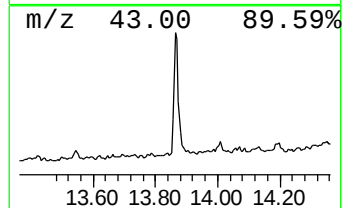
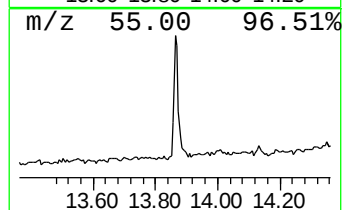
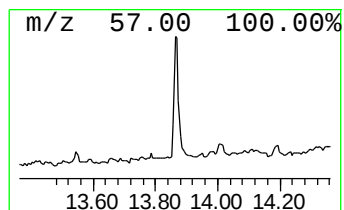
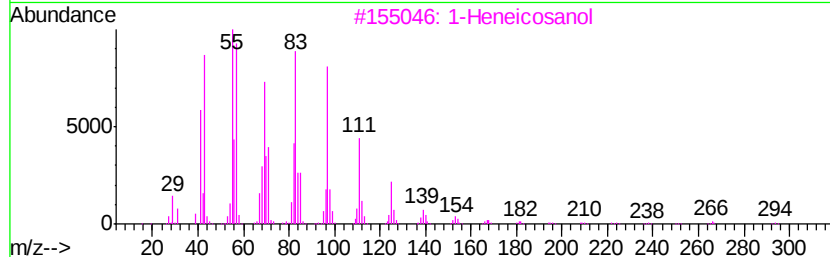
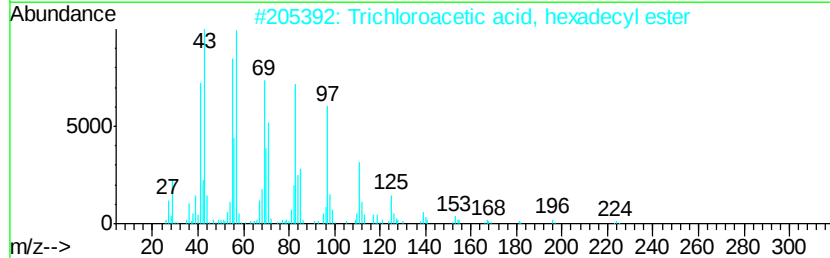
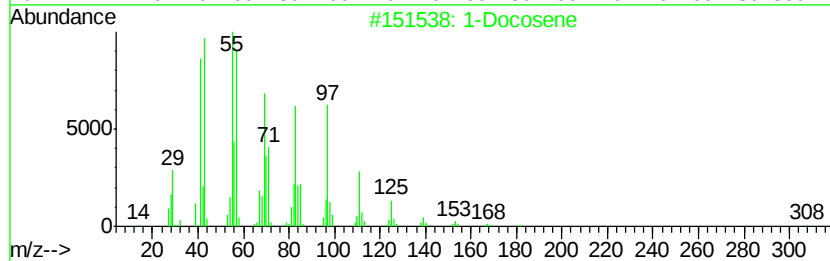
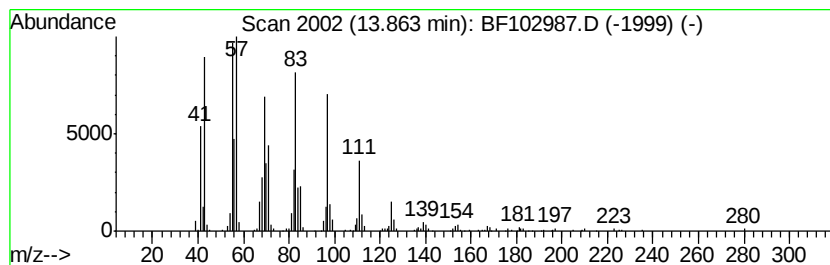
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 1-Docosene Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 13.86 | 10.20 ng | 438599 | Chrysene-d12     | 14.04 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm     | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|-------------|--------------|------|
| 1       | 1-Docosene                          |              | 308 | C22H44      | 001599-67-3  | 94   |
| 2       | Trichloroacetic acid, hexadecyl ... |              | 386 | C18H33Cl3O2 | 074339-54-1  | 94   |
| 3       | 1-Heneicosanol                      |              | 312 | C21H44O     | 015594-90-8  | 94   |
| 4       | n-Nonadecanol-1                     |              | 284 | C19H40O     | 001454-84-8  | 91   |
| 5       | E-15-Heptadecenal                   |              | 252 | C17H32O     | 1000130-97-9 | 91   |



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Sample : J1530-46  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-02

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

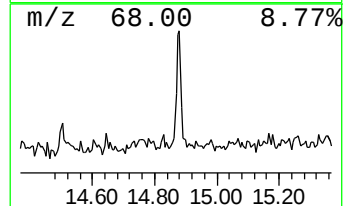
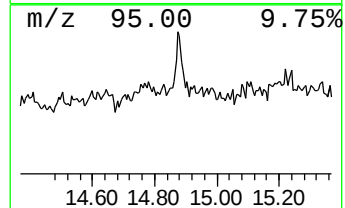
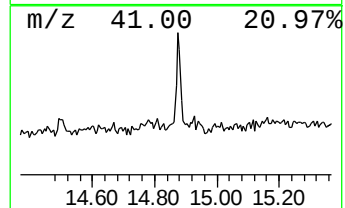
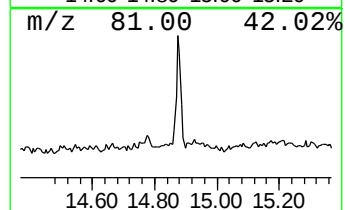
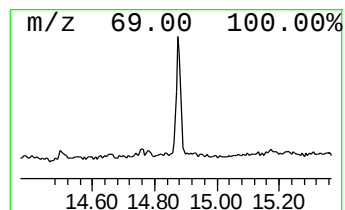
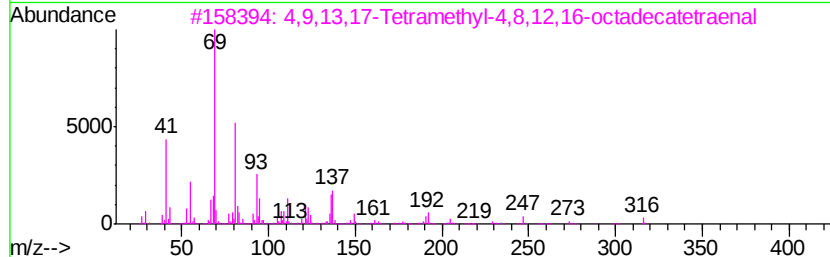
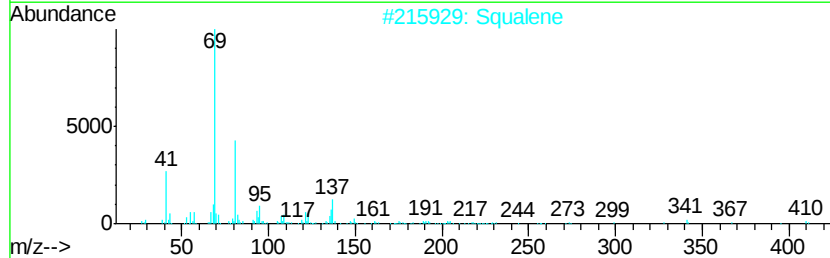
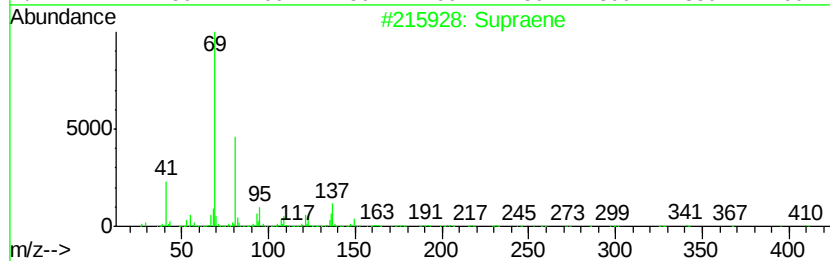
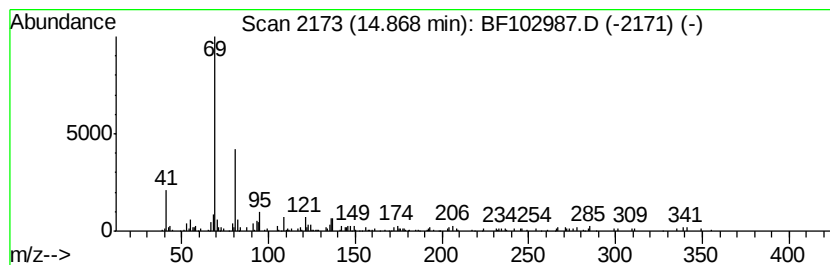
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Supraene Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.87 | 4.09 ng | 152286 | Perylene-d12     | 15.52 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Supraene                            | 410 | C30H50   | 007683-64-9 | 83   |
| 2    |    | Squalene                            | 410 | C30H50   | 000111-02-4 | 80   |
| 3    |    | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O  | 056882-09-8 | 64   |
| 4    |    | 1,6-Octadiene, 3,5-dimethyl-, tr... | 138 | C10H18   | 074630-87-8 | 64   |
| 5    |    | 2,3,5-Trimethyl-2,3,5-hexanetric... | 203 | C12H17N3 | 003974-79-6 | 64   |



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Sample : J1530-46  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-02

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.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 |
| Butane, 2-methoxy... | 2.17  | 24.4    | ng    | 1251590  | 1                     | 6.87  | 1024900 | 20.0 |
| 2-Pentanone, 4-hy... | 5.12  | 2.7     | ng    | 140420   | 1                     | 6.87  | 1024900 | 20.0 |
| unknown6.65          | 6.65  | 76.7    | ng    | 3931380  | 1                     | 6.87  | 1024900 | 20.0 |
| Tridecane            | 9.83  | 2.3     | ng    | 138824   | 3                     | 9.92  | 1228410 | 20.0 |
| Tetracosane          | 10.81 | 2.5     | ng    | 111472   | 4                     | 11.40 | 904763  | 20.0 |
| 7-Hexadecenoic ac... | 12.49 | 2.2     | ng    | 99072    | 4                     | 11.40 | 904763  | 20.0 |
| 1-Docosene           | 13.86 | 10.2    | ng    | 438599   | 5                     | 14.04 | 859997  | 20.0 |
| Supraene             | 14.87 | 4.1     | ng    | 152286   | 6                     | 15.52 | 744344  | 20.0 |