

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\  
 Data File : BF108145.D  
 Acq On : 14 Aug 2018 15:27  
 Operator : JU/SJ  
 Sample : J4449-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-MH-001

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080818.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         | 2.384       | 3             | 8           | 16           | rVB      | 392036         | 550124        | 12.19%          | 1.393%        |
| 2         | 3.666       | 224           | 226         | 242          | rBV      | 49473          | 96785         | 2.15%           | 0.245%        |
| 3         | 5.266       | 493           | 498         | 508          | rVB      | 701021         | 841821        | 18.66%          | 2.132%        |
| 4         | 5.648       | 558           | 563         | 566          | rBV      | 4095098        | 3966616       | 87.92%          | 10.044%       |
| 5         | 6.636       | 726           | 731         | 734          | rBV      | 3908073        | 4181503       | 92.69%          | 10.589%       |
| 6         | 6.789       | 752           | 757         | 760          | rBV      | 4565911        | 4120863       | 91.34%          | 10.435%       |
| 7         | 7.019       | 792           | 796         | 800          | rVB      | 1444201        | 1159319       | 25.70%          | 2.936%        |
| 8         | 7.177       | 818           | 823         | 826          | rBV      | 3591414        | 3189961       | 70.71%          | 8.078%        |
| 9         | 7.577       | 886           | 891         | 894          | rBV      | 2539081        | 2624668       | 58.18%          | 6.646%        |
| 10        | 8.301       | 1010          | 1014        | 1018         | rBV      | 1555730        | 1390134       | 30.81%          | 3.520%        |
| 11        | 9.377       | 1191          | 1197        | 1200         | rBV      | 4963449        | 4511418       | 100.00%         | 11.424%       |
| 12        | 9.765       | 1259          | 1263        | 1266         | rBV      | 591728         | 475557        | 10.54%          | 1.204%        |
| 13        | 10.065      | 1309          | 1314        | 1318         | rBV      | 1658879        | 1397775       | 30.98%          | 3.539%        |
| 14        | 10.859      | 1444          | 1449        | 1452         | rBV      | 2600374        | 2412205       | 53.47%          | 6.108%        |
| 15        | 11.559      | 1564          | 1568        | 1572         | rBV      | 1538370        | 1324245       | 29.35%          | 3.353%        |
| 16        | 11.901      | 1620          | 1626        | 1629         | rBV2     | 34598          | 52232         | 1.16%           | 0.132%        |
| 17        | 13.148      | 1834          | 1838        | 1842         | rBV      | 4327690        | 4112817       | 91.16%          | 10.415%       |
| 18        | 13.359      | 1868          | 1874        | 1877         | rBV      | 52403          | 61335         | 1.36%           | 0.155%        |
| 19        | 13.700      | 1929          | 1932        | 1934         | rBV2     | 80036          | 67684         | 1.50%           | 0.171%        |
| 20        | 14.030      | 1984          | 1988        | 1995         | rBV      | 326069         | 373798        | 8.29%           | 0.947%        |
| 21        | 14.218      | 2016          | 2020        | 2023         | rBV      | 1333870        | 1199579       | 26.59%          | 3.038%        |
| 22        | 14.347      | 2039          | 2042        | 2046         | rBV2     | 133378         | 128742        | 2.85%           | 0.326%        |
| 23        | 14.659      | 2091          | 2095        | 2102         | rBV      | 110362         | 160779        | 3.56%           | 0.407%        |
| 24        | 14.983      | 2148          | 2150        | 2155         | rVB      | 98979          | 106962        | 2.37%           | 0.271%        |
| 25        | 15.353      | 2210          | 2213        | 2217         | rBV      | 91358          | 111325        | 2.47%           | 0.282%        |
| 26        | 15.783      | 2281          | 2286        | 2291         | rVB      | 643598         | 872639        | 19.34%          | 2.210%        |

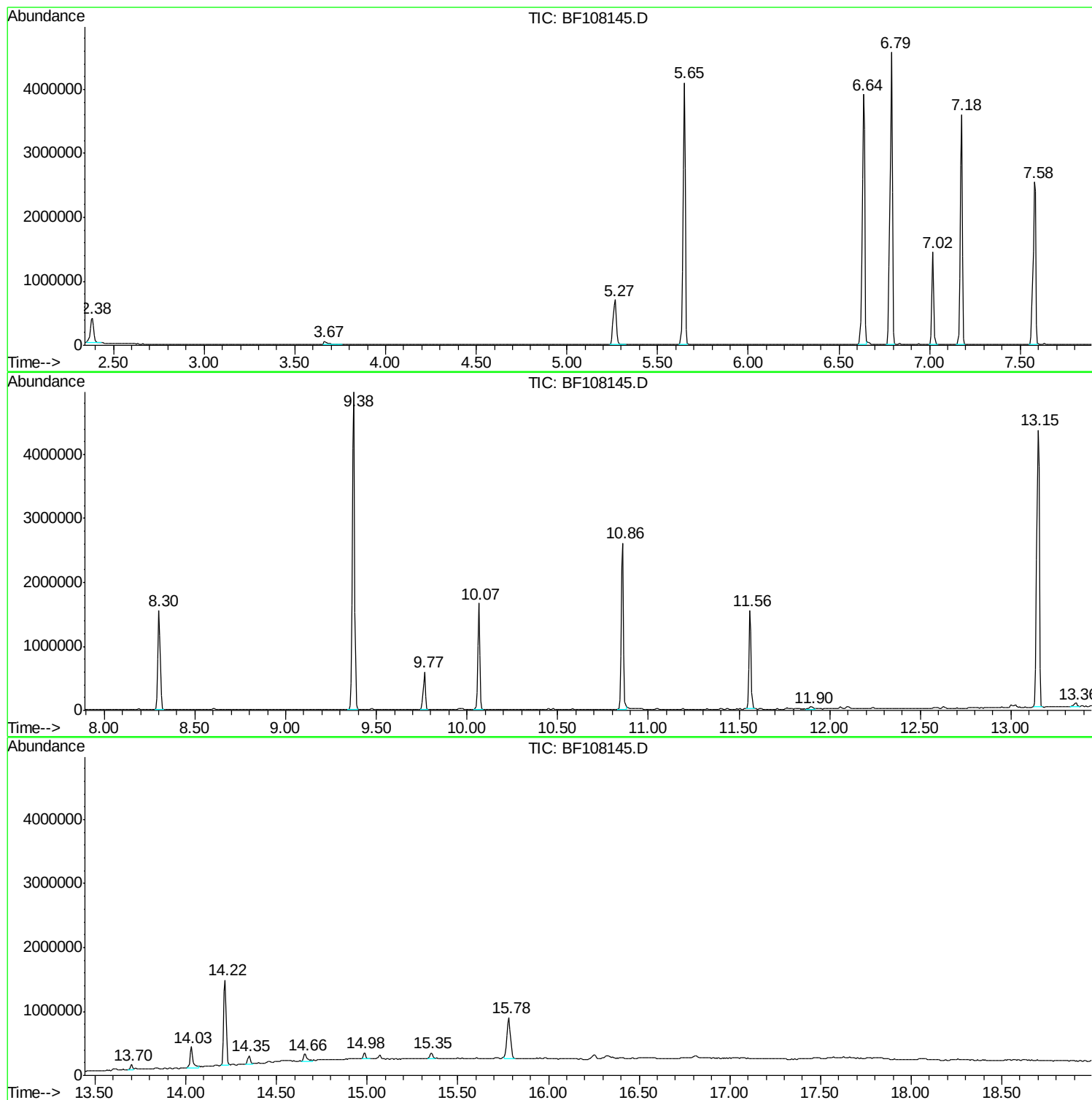
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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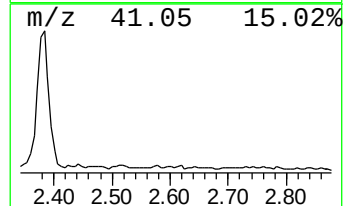
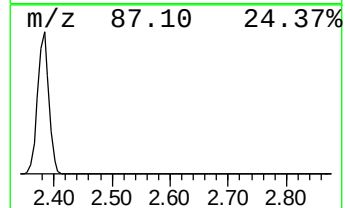
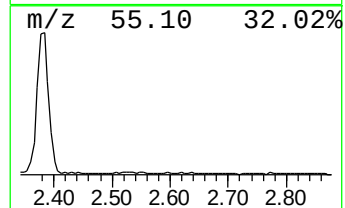
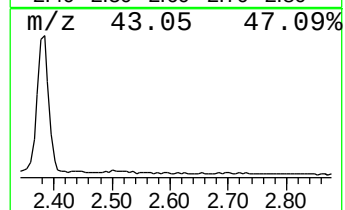
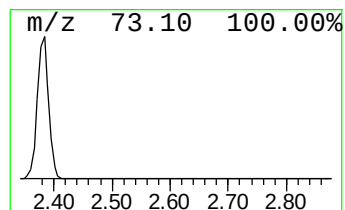
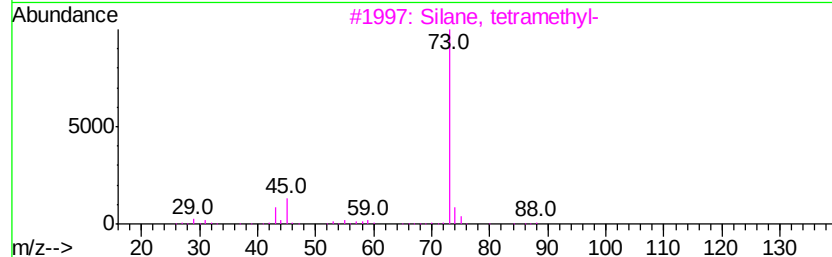
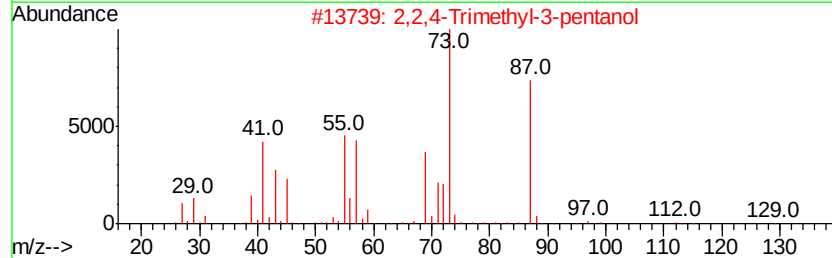
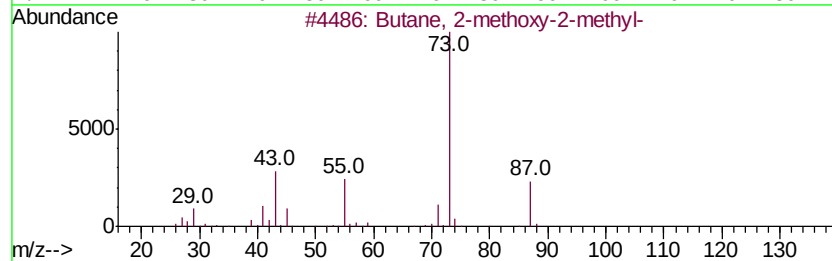
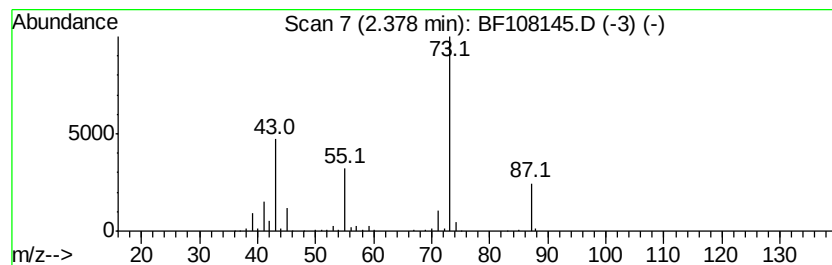
Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T.      | EstConc                     | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-----------------------------|--------|------------------------|-------------|------|
| 2.38      | 9.49 ng                     | 550124 | 1,4-Dichlorobenzene-d4 | 7.02        |      |
| Hit# of 5 | Tentative ID                | MW     | MolForm                | CAS#        | Qual |
| 1         | Butane, 2-methoxy-2-methyl- | 102    | C6H14O                 | 000994-05-8 | 83   |
| 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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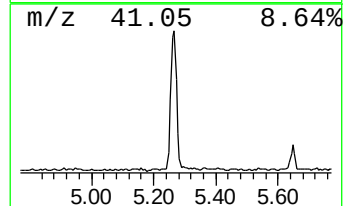
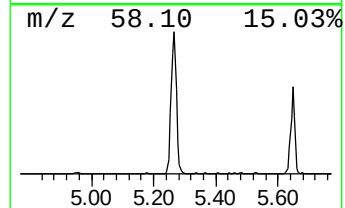
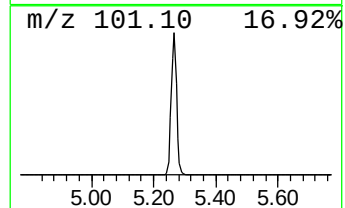
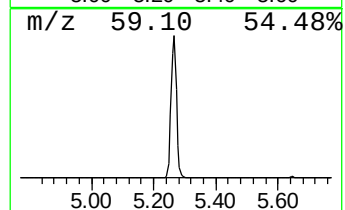
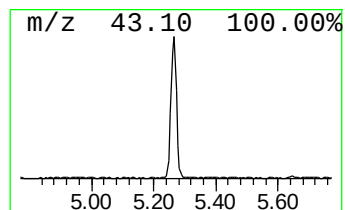
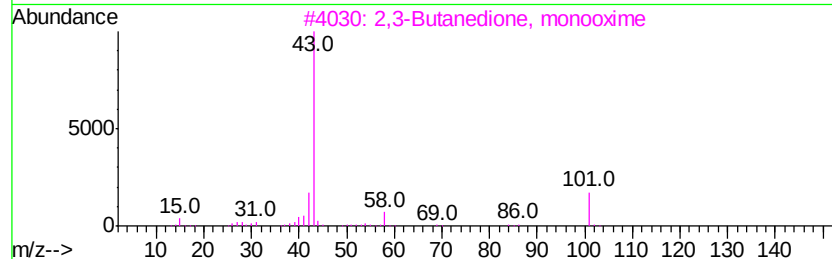
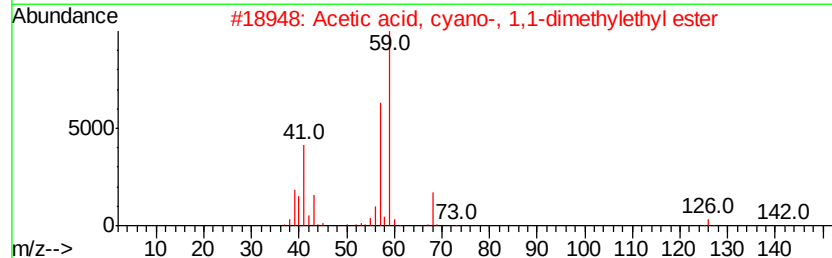
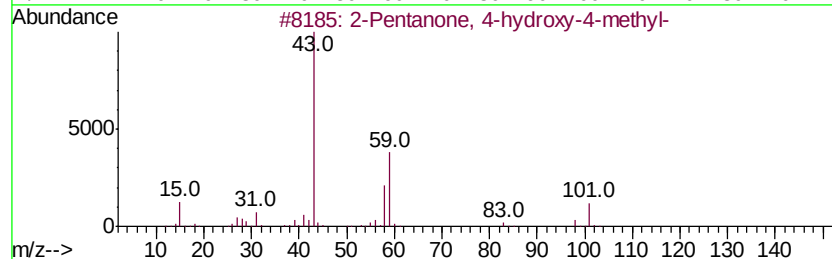
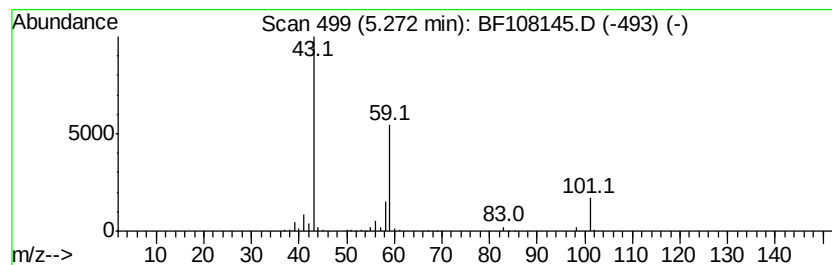
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.27 | 14.52 ng | 841821 | 1,4-Dichlorobenzene-d4 | 7.02 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 37   |
| 3    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 16   |
| 4    |    | 1-Propen-2-ol, acetate               | 100 | C5H8O2   | 000108-22-5 | 10   |
| 5    |    | 3-Hexanol, 4-ethyl-                  | 130 | C8H18O   | 019780-44-0 | 9    |



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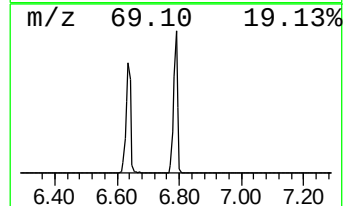
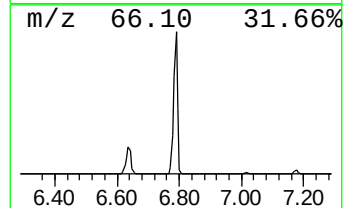
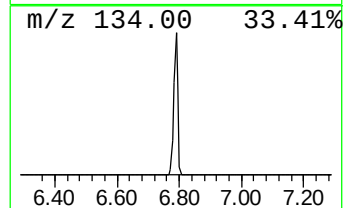
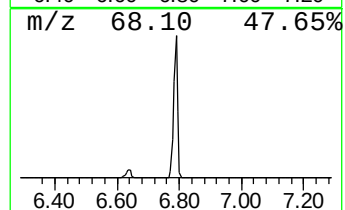
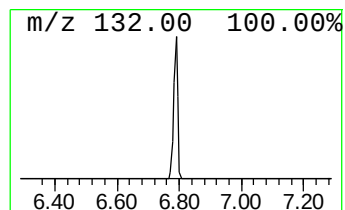
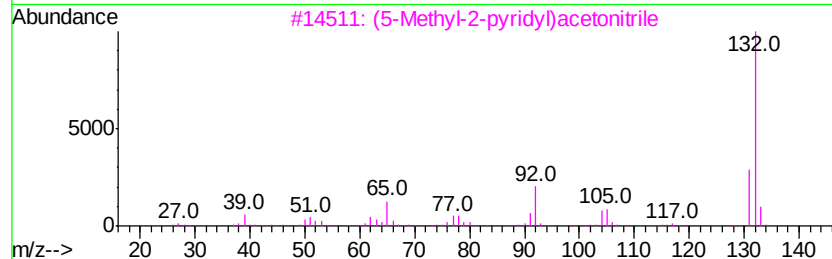
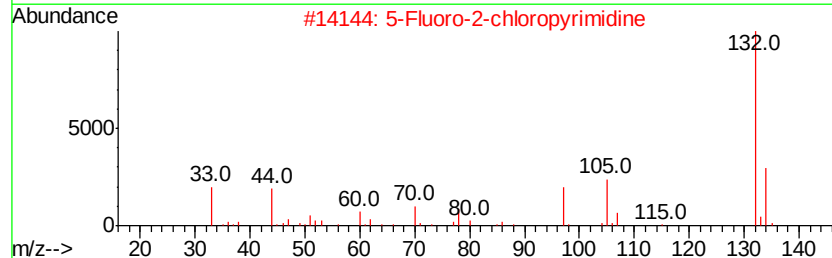
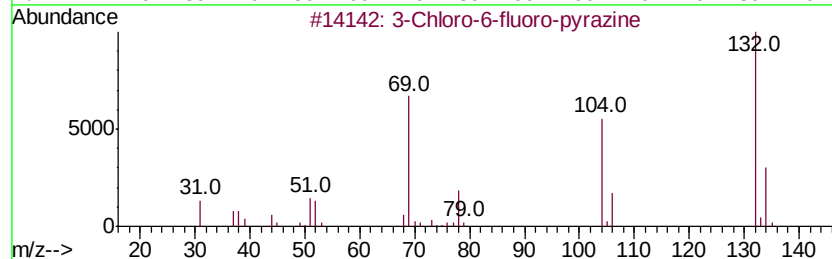
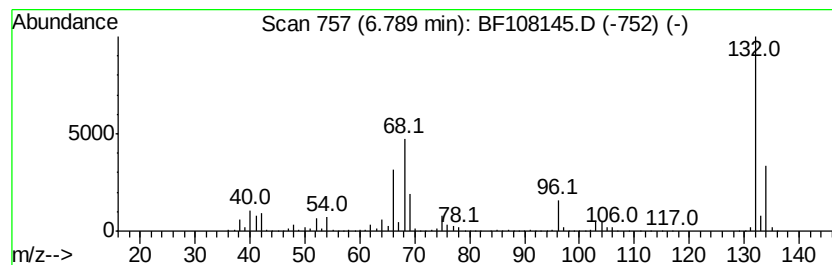
TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 3 unknown6.79 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.79 | 71.09 ng | 4120860 | 1,4-Dichlorobenzene-d4 | 7.02 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 4    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | Tranlylcypromine-propionyl       | 189 | C12H15NO  | 1000123-86-3 | 9    |



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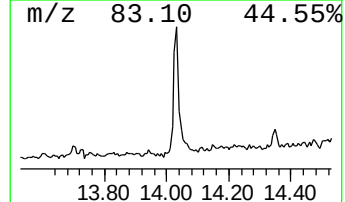
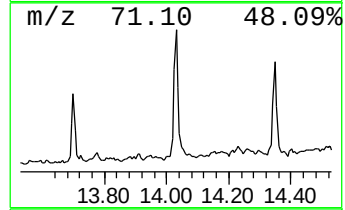
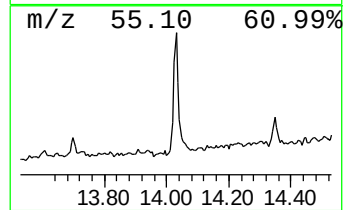
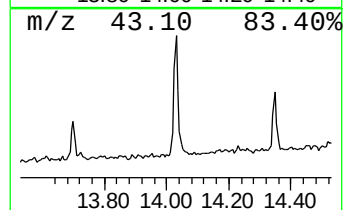
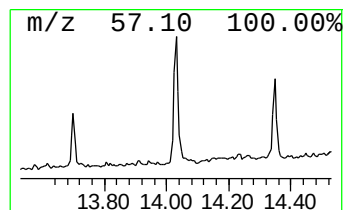
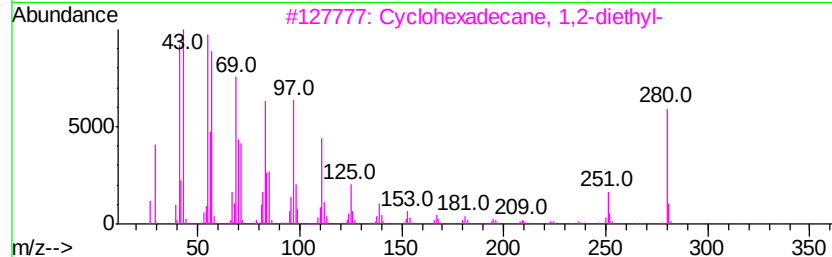
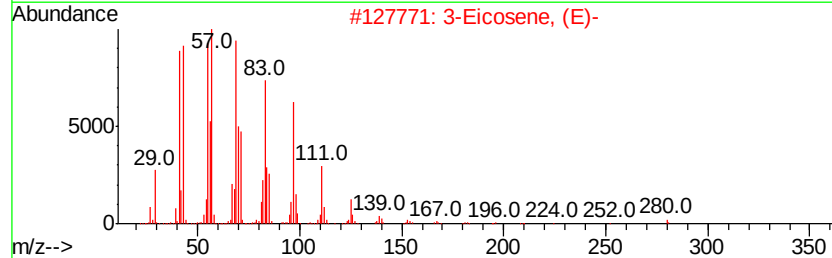
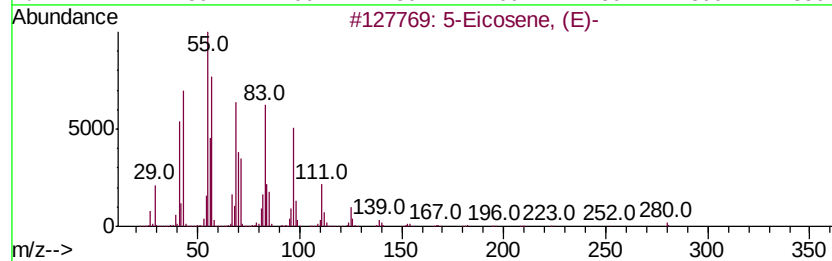
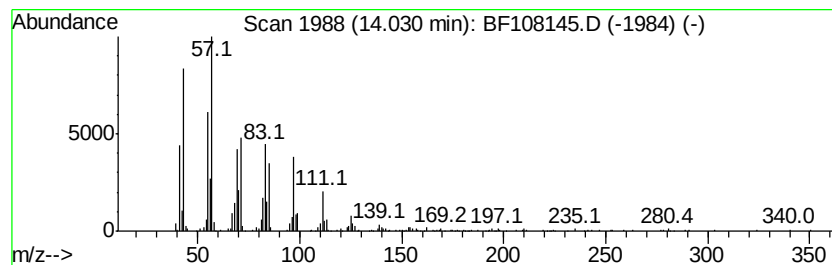
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Peak Number 5 5-Eicosene, (E)- Concentration Rank 5

| R.T.    | EstConc | Area                             | Relative to ISTD | R.T.            |
|---------|---------|----------------------------------|------------------|-----------------|
| 14.03   | 6.23 ng | 373798                           | Chrysene-d12     | 14.22           |
| Hit# of | 5       | Tentative ID                     | MW MolForm       | CAS# Qual       |
| 1       |         | 5-Eicosene, (E)-                 | 280 C20H40       | 074685-30-6 98  |
| 2       |         | 3-Eicosene, (E)-                 | 280 C20H40       | 074685-33-9 95  |
| 3       |         | Cyclohexadecane, 1,2-diethyl-    | 280 C20H40       | 1000155-85-3 91 |
| 4       |         | Triacetyl trifluoroacetate       | 534 C32H61F3O2   | 1000351-75-7 91 |
| 5       |         | Heptacosyl pentafluoropropionate | 542 C30H55F5O2   | 1000351-81-6 91 |



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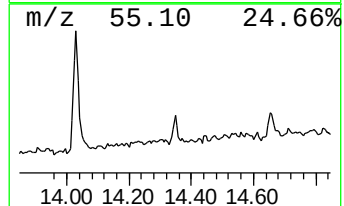
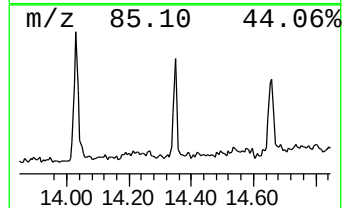
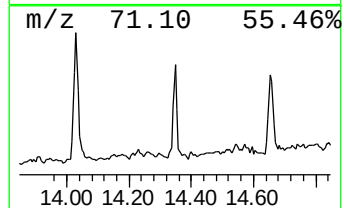
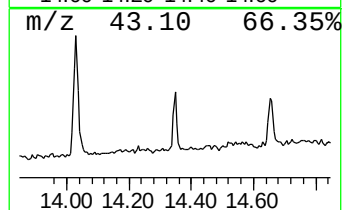
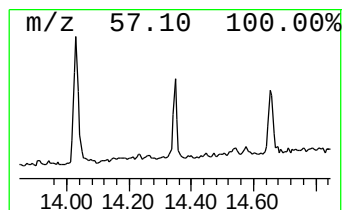
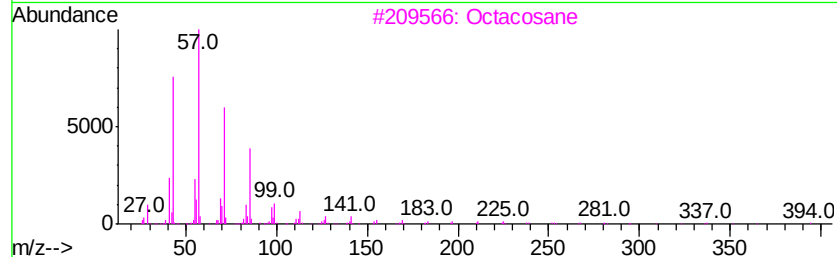
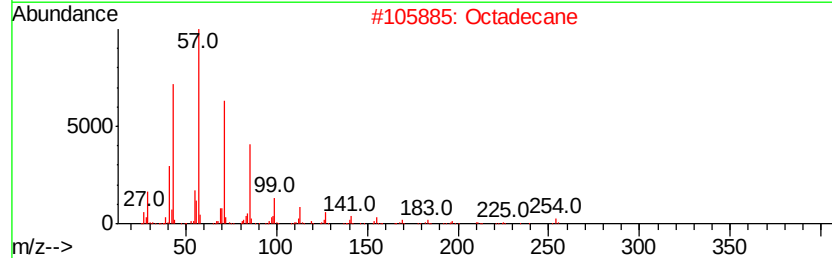
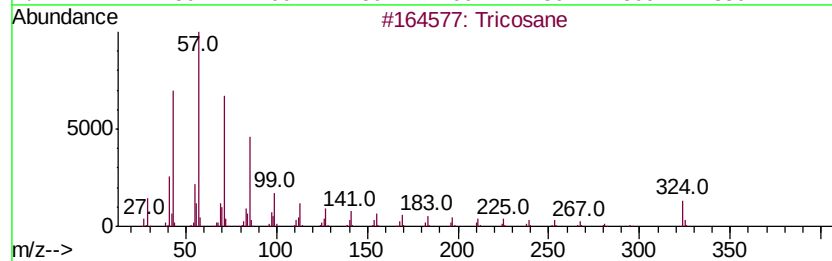
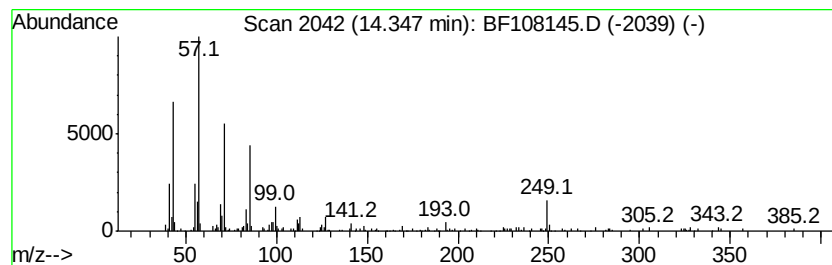
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Peak Number 6 Tricosane Concentration Rank 8

| R.T.    | EstConc    | Area         | Relative to ISTD | R.T.      |
|---------|------------|--------------|------------------|-----------|
| 14.35   | 2.15 ng    | 128742       | Chrysene-d12     | 14.22     |
| Hit# of | 5          | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Tricosane  | 324 C23H48   | 000638-67-5      | 74        |
| 2       | Octadecane | 254 C18H38   | 000593-45-3      | 72        |
| 3       | Octacosane | 394 C28H58   | 000630-02-4      | 72        |
| 4       | Nonadecane | 268 C19H40   | 000629-92-5      | 64        |
| 5       | Hexadecane | 226 C16H34   | 000544-76-3      | 64        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\  
Data File : BF108145.D  
Acq On : 14 Aug 2018 15:27  
Operator : JU/SJ  
Sample : J4449-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

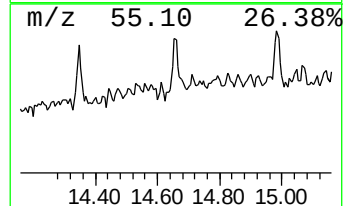
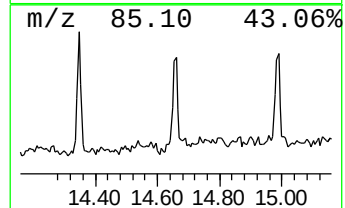
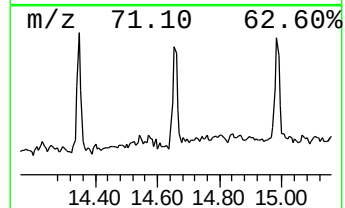
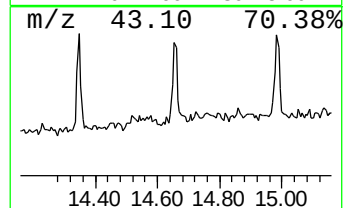
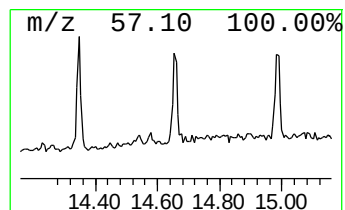
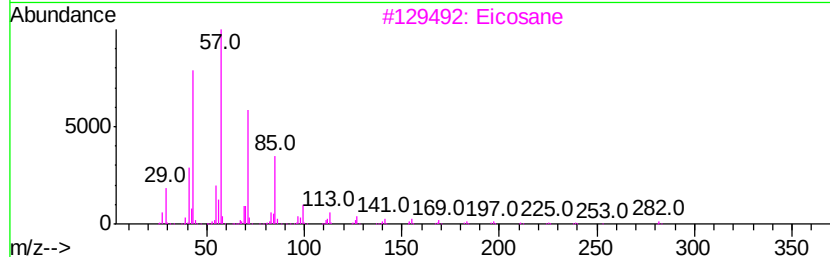
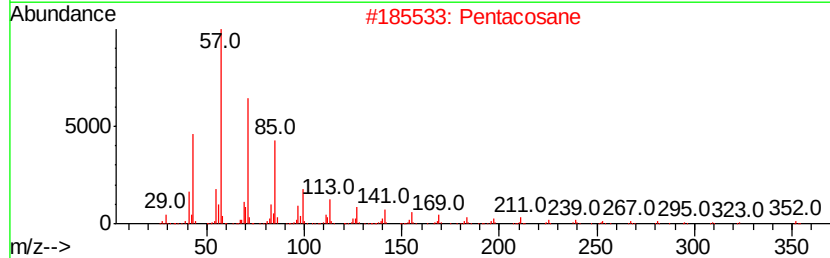
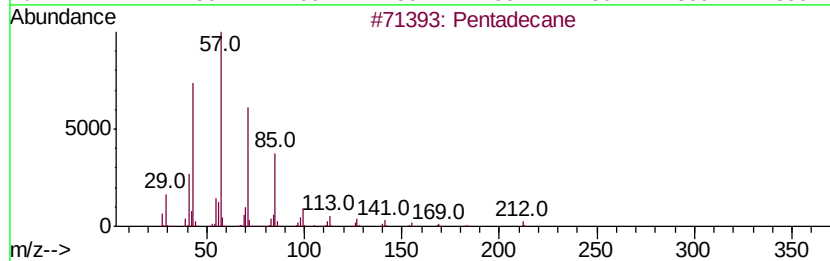
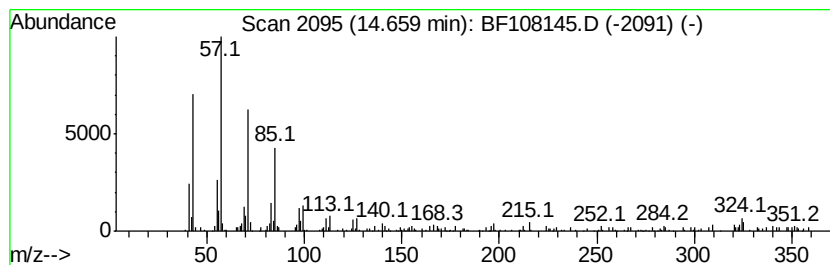
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ClientSampleId :  
TILCON-MH-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.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 Pentadecane Concentration Rank 6

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------|--------------|------------------|-----------|
| 14.66   | 2.68 ng               | 160779       | Chrysene-d12     | 14.22     |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Pentadecane           | 212 C15H32   | 000629-62-9      | 96        |
| 2       | Pentacosane           | 352 C25H52   | 000629-99-2      | 93        |
| 3       | Eicosane              | 282 C20H42   | 000112-95-8      | 89        |
| 4       | Hexatriacontane       | 507 C36H74   | 000630-06-8      | 83        |
| 5       | Heptadecane, 9-octyl- | 352 C25H52   | 007225-64-1      | 83        |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\  
Data File : BF108145.D  
Acq On : 14 Aug 2018 15:27  
Operator : JU/SJ  
Sample : J4449-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

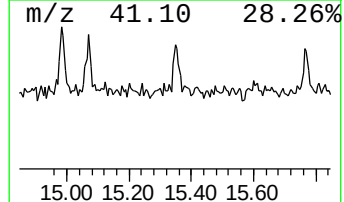
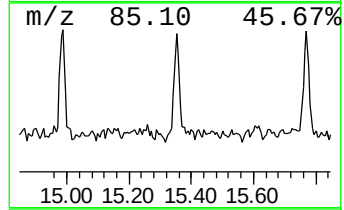
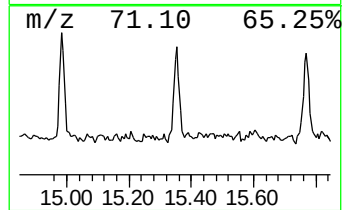
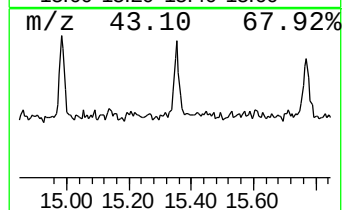
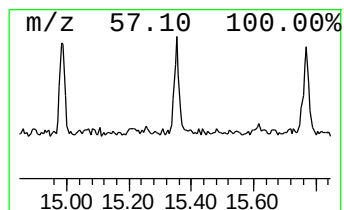
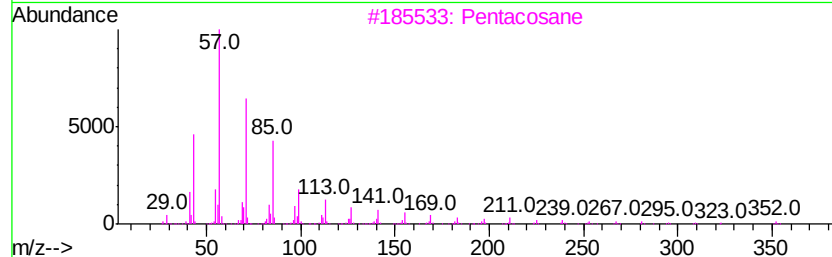
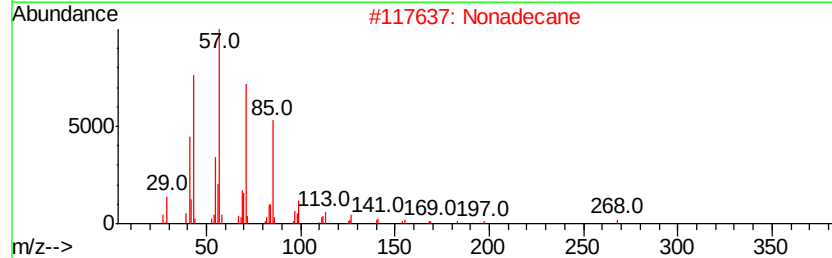
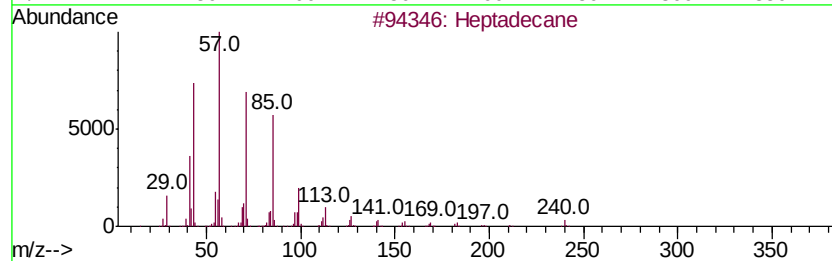
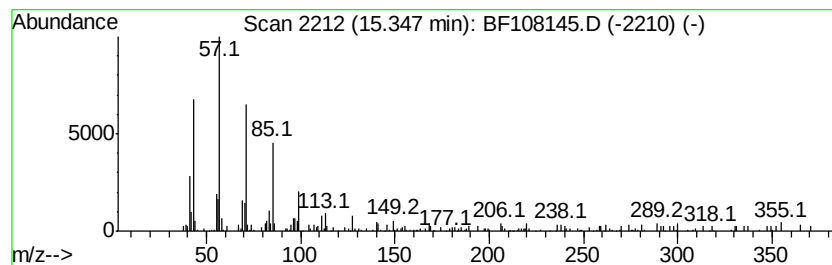
Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-MH-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.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 7

| R.T.      | EstConc      | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------|--------|------------------|-------------|------|
| 15.35     | 2.55 ng      | 111325 | Perylene-d12     | 15.78       |      |
| Hit# of 5 | Tentative ID | MW     | MolForm          | CAS#        | Qual |
| 1         | Heptadecane  | 240    | C17H36           | 000629-78-7 | 93   |
| 2         | Nonadecane   | 268    | C19H40           | 000629-92-5 | 91   |
| 3         | Pentacosane  | 352    | C25H52           | 000629-99-2 | 91   |
| 4         | Heneicosane  | 296    | C21H44           | 000629-94-7 | 91   |
| 5         | Heptacosane  | 380    | C27H56           | 000593-49-7 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF081418\  
Data File : BF108145.D  
Acq On : 14 Aug 2018 15:27  
Operator : JU/SJ  
Sample : J4449-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-MH-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080818.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... | 2.38  | 9.5     | ng    | 550124   | 1                     | 7.02  | 1159320 | 20.0 |
| 2-Pentanone, 4-hy... | 5.27  | 14.5    | ng    | 841821   | 1                     | 7.02  | 1159320 | 20.0 |
| unknown6.79          | 6.79  | 71.1    | ng    | 4120860  | 1                     | 7.02  | 1159320 | 20.0 |
| 5-Eicosene, (E)-     | 14.03 | 6.2     | ng    | 373798   | 5                     | 14.22 | 1199580 | 20.0 |
| Tricosane            | 14.35 | 2.1     | ng    | 128742   | 5                     | 14.22 | 1199580 | 20.0 |
| Pentadecane          | 14.66 | 2.7     | ng    | 160779   | 5                     | 14.22 | 1199580 | 20.0 |
| Heptadecane          | 15.35 | 2.5     | ng    | 111325   | 6                     | 15.78 | 872639  | 20.0 |