

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF031820\  
 Data File : BF119431.D  
 Acq On : 18 Mar 2020 22:53  
 Operator : CG/JU  
 Sample : L1913-10  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

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-BF031820.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         | 2.152       | 7             | 11          | 25           | rVB      | 247310         | 401529        | 5.36%           | 0.656%        |
| 2         | 3.328       | 208           | 211         | 225          | rBV      | 46799          | 118991        | 1.59%           | 0.194%        |
| 3         | 5.069       | 501           | 507         | 513          | rVB      | 178193         | 231638        | 3.09%           | 0.378%        |
| 4         | 5.463       | 569           | 574         | 577          | rBV      | 6582055        | 6743280       | 89.99%          | 11.015%       |
| 5         | 6.475       | 740           | 746         | 749          | rBV      | 6162375        | 6993407       | 93.33%          | 11.423%       |
| 6         | 6.675       | 777           | 780         | 783          | rBV      | 432399         | 315679        | 4.21%           | 0.516%        |
| 7         | 6.851       | 807           | 810         | 814          | rVB      | 2558106        | 2156501       | 28.78%          | 3.522%        |
| 8         | 7.010       | 833           | 837         | 840          | rBV      | 6249768        | 5555518       | 74.14%          | 9.074%        |
| 9         | 7.416       | 900           | 906         | 909          | rBV      | 4921562        | 4633393       | 61.83%          | 7.568%        |
| 10        | 8.139       | 1024          | 1029        | 1032         | rBV      | 3459670        | 2860648       | 38.18%          | 4.673%        |
| 11        | 9.222       | 1207          | 1213        | 1216         | rBV      | 7843330        | 7493318       | 100.00%         | 12.240%       |
| 12        | 9.610       | 1275          | 1279        | 1282         | rBV      | 1636826        | 1242452       | 16.58%          | 2.029%        |
| 13        | 9.898       | 1323          | 1328        | 1332         | rBV      | 3519530        | 2973433       | 39.68%          | 4.857%        |
| 14        | 10.686      | 1456          | 1462        | 1465         | rBV      | 4133639        | 3937210       | 52.54%          | 6.431%        |
| 15        | 11.386      | 1577          | 1581        | 1584         | rBV      | 3371442        | 2844561       | 37.96%          | 4.646%        |
| 16        | 11.910      | 1667          | 1670        | 1674         | rBV      | 319597         | 295903        | 3.95%           | 0.483%        |
| 17        | 11.951      | 1674          | 1677        | 1681         | rVB      | 266717         | 222027        | 2.96%           | 0.363%        |
| 18        | 12.598      | 1784          | 1787        | 1790         | rBV      | 319789         | 283201        | 3.78%           | 0.463%        |
| 19        | 12.698      | 1801          | 1804        | 1811         | rBV4     | 127643         | 151771        | 2.03%           | 0.248%        |
| 20        | 12.827      | 1819          | 1826        | 1829         | rBV      | 255736         | 278096        | 3.71%           | 0.454%        |
| 21        | 12.974      | 1847          | 1851        | 1854         | rBV      | 6327179        | 5565728       | 74.28%          | 9.091%        |
| 22        | 13.868      | 2000          | 2003        | 2011         | rBV2     | 404734         | 481799        | 6.43%           | 0.787%        |
| 23        | 14.021      | 2024          | 2029        | 2032         | rBV      | 1944933        | 1943554       | 25.94%          | 3.175%        |
| 24        | 14.051      | 2032          | 2034        | 2039         | rVB      | 128545         | 121744        | 1.62%           | 0.199%        |
| 25        | 14.198      | 2056          | 2059        | 2063         | rVB2     | 90448          | 89059         | 1.19%           | 0.145%        |
| 26        | 14.504      | 2108          | 2111        | 2115         | rBV      | 166489         | 169449        | 2.26%           | 0.277%        |
| 27        | 14.815      | 2161          | 2164        | 2168         | rVB      | 140443         | 128454        | 1.71%           | 0.210%        |
| 28        | 15.062      | 2202          | 2206        | 2209         | rBV      | 111355         | 165361        | 2.21%           | 0.270%        |
| 29        | 15.157      | 2219          | 2222        | 2229         | rVB2     | 146835         | 210492        | 2.81%           | 0.344%        |
| 30        | 15.368      | 2255          | 2258        | 2263         | rBV      | 68977          | 79638         | 1.06%           | 0.130%        |
| 31        | 15.427      | 2265          | 2268        | 2273         | rVV      | 109175         | 133792        | 1.79%           | 0.219%        |
| 32        | 15.492      | 2274          | 2279        | 2285         | rVV      | 1424080        | 1847882       | 24.66%          | 3.018%        |
| 33        | 15.545      | 2285          | 2288        | 2294         | rVB      | 127976         | 180069        | 2.40%           | 0.294%        |
| 34        | 15.992      | 2359          | 2364        | 2368         | rBV2     | 92684          | 148184        | 1.98%           | 0.242%        |

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Sample : L1913-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |       |       |        |       |        |
|----|--------|------|------|------|-------|-------|--------|-------|--------|
| 35 | 16.033 | 2368 | 2371 | 2383 | rvB10 | 62990 | 132993 | 1.77% | 0.217% |
| 36 | 16.956 | 2524 | 2528 | 2534 | rvB4  | 48164 | 90589  | 1.21% | 0.148% |

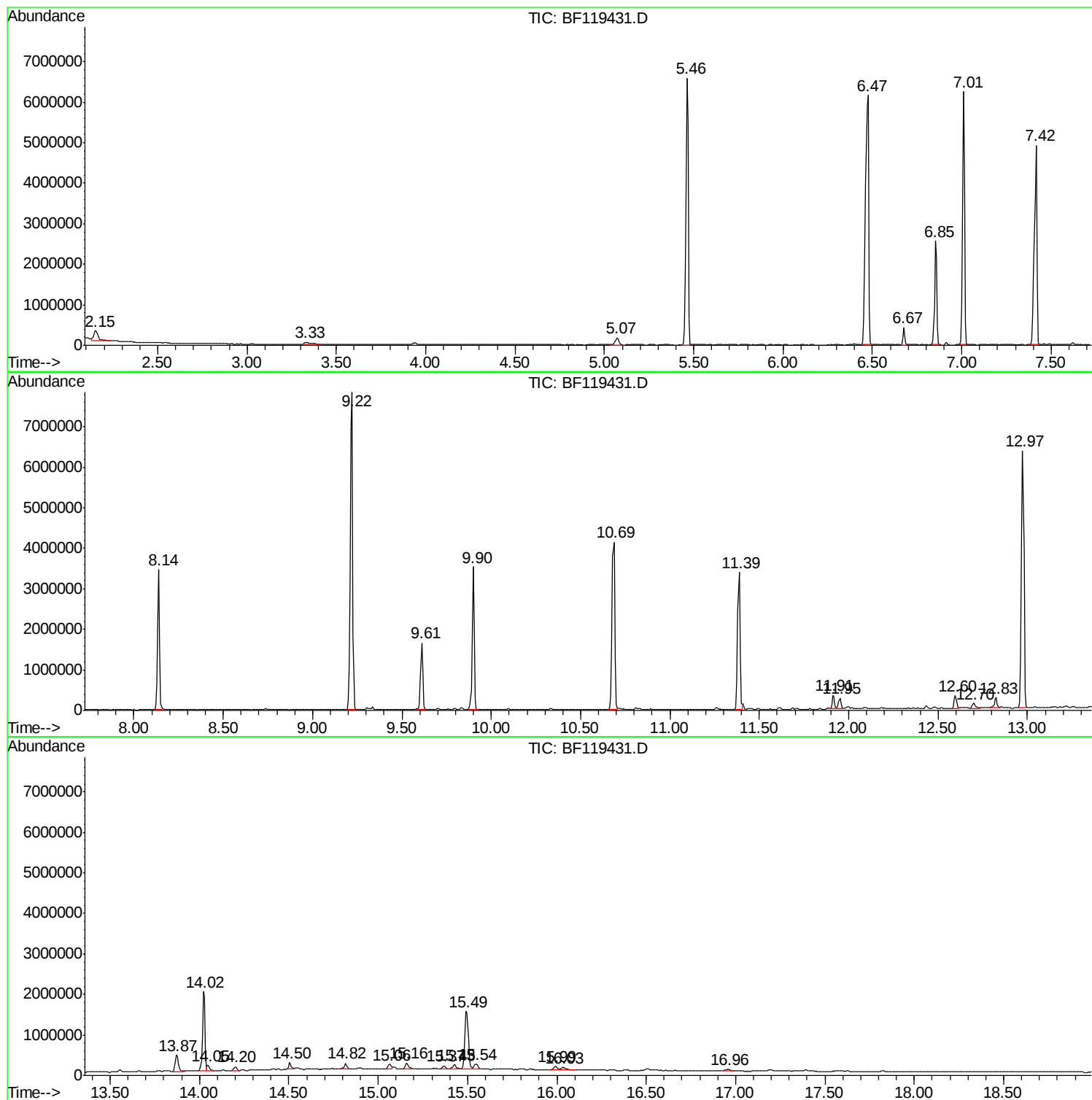
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031820\  
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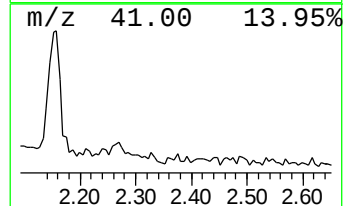
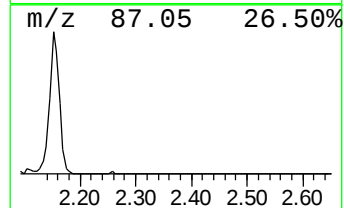
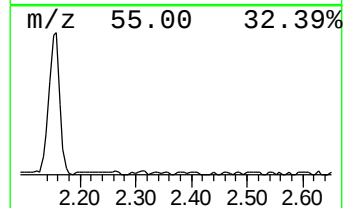
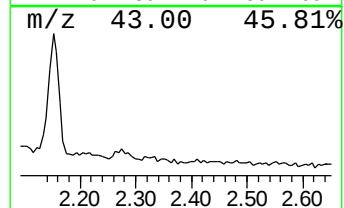
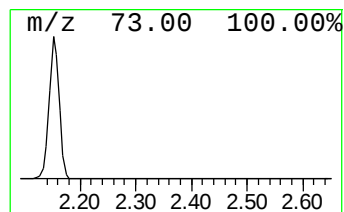
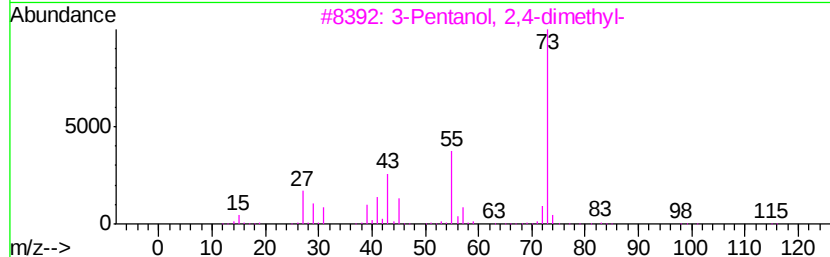
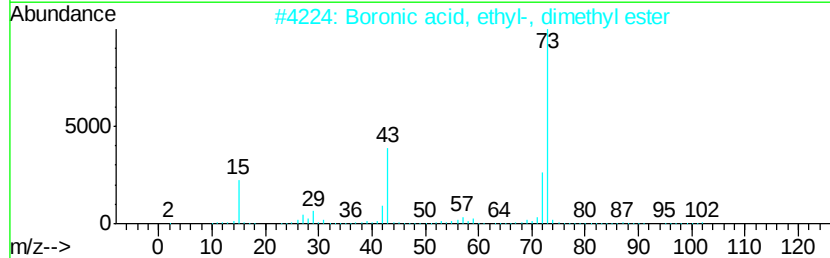
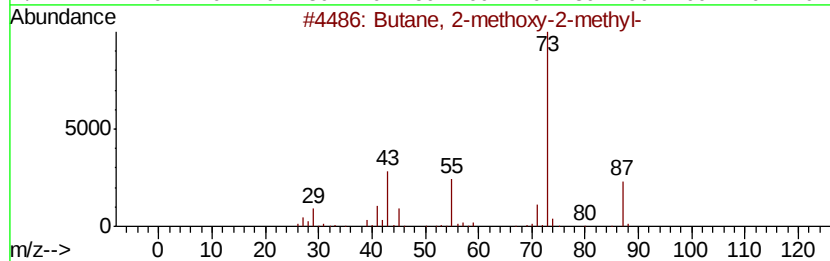
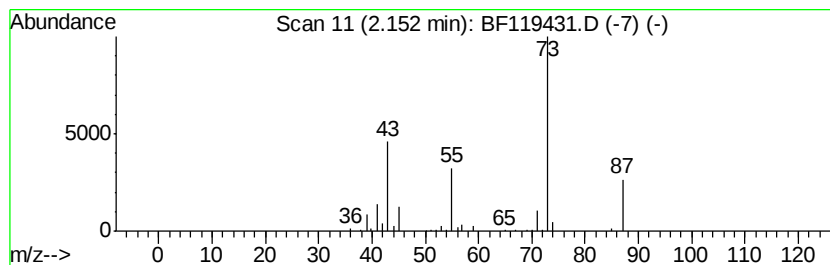
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.15 | 3.72 ng | 401529 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-         | 102 | C6H14O   | 000994-05-8 | 78   |
| 2    |    |   | Boronic acid, ethyl-, dimethyl e... | 102 | C4H11BO2 | 007318-82-3 | 9    |
| 3    |    |   | 3-Pentanol, 2,4-dimethyl-           | 116 | C7H16O   | 000600-36-2 | 9    |
| 4    |    |   | 2-Methyl-5-hexen-3-ol               | 114 | C7H14O   | 032815-70-6 | 9    |
| 5    |    |   | Silane, tetramethyl-                | 88  | C4H12Si  | 000075-76-3 | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

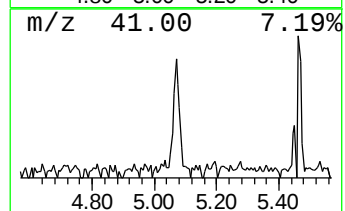
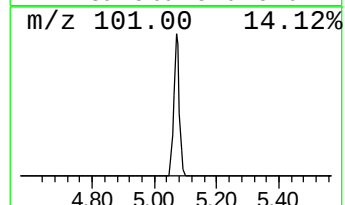
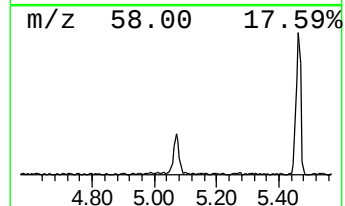
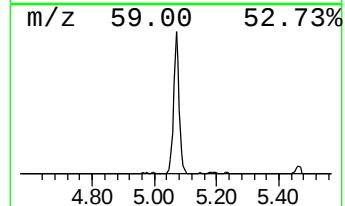
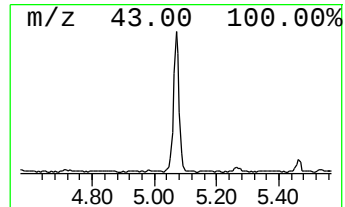
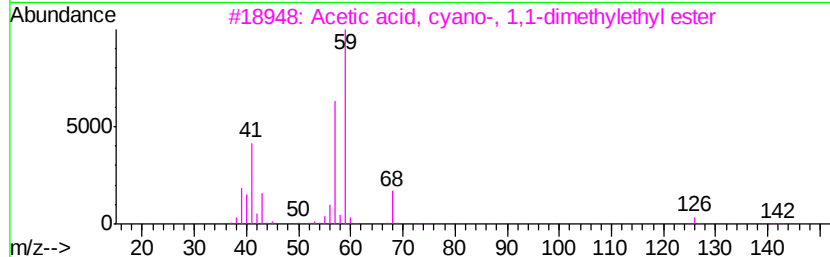
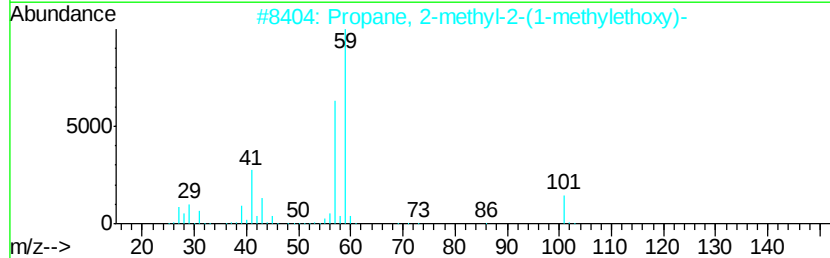
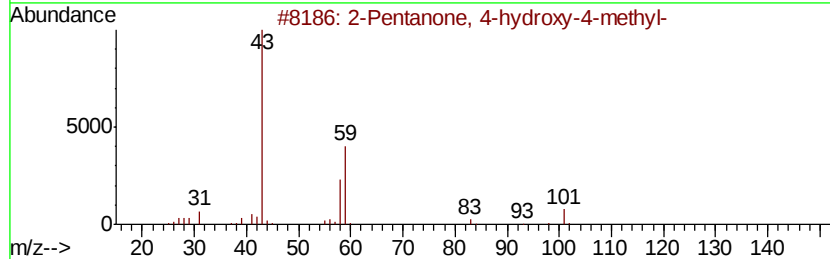
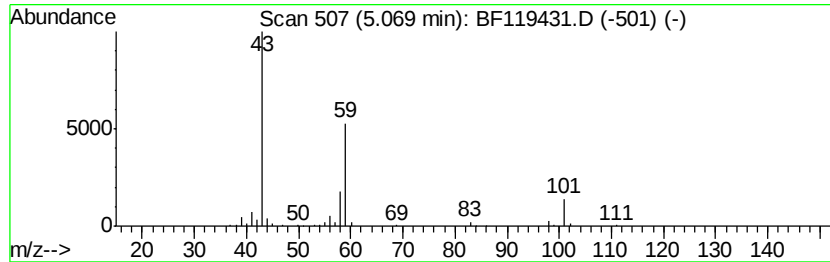
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.07 | 2.15 ng | 231638 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-      | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    | Propane, 2-methyl-2-(1-methylethoxy)- | 116 | C7H16O   | 017348-59-3 | 40   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl-    | 141 | C7H11NO2 | 001116-98-9 | 32   |
| 4    |    | 3-Hexanol, 4-methyl-                  | 116 | C7H16O   | 000615-29-2 | 28   |
| 5    |    | 2-Hexanol, 2-methyl-                  | 116 | C7H16O   | 000625-23-0 | 28   |



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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

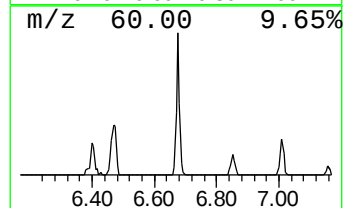
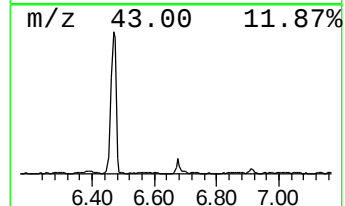
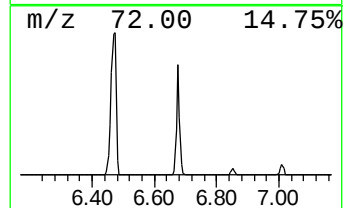
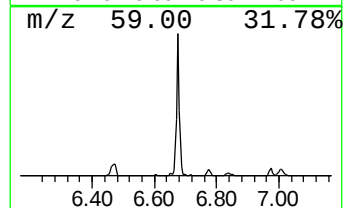
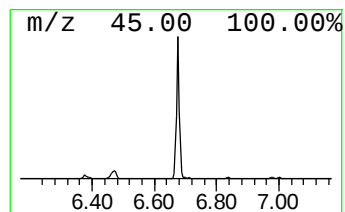
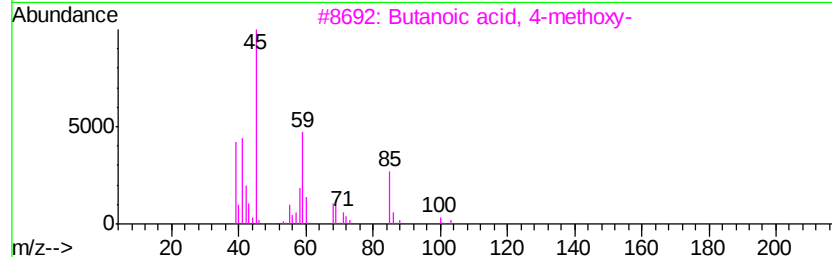
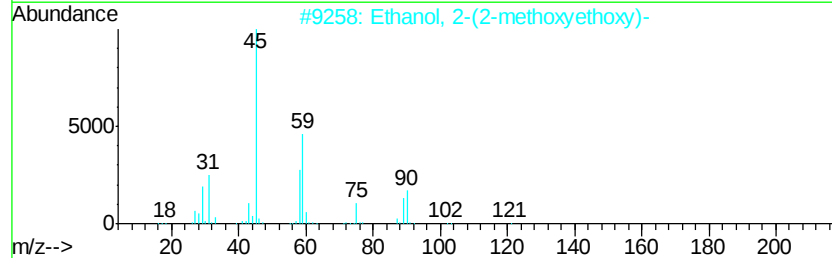
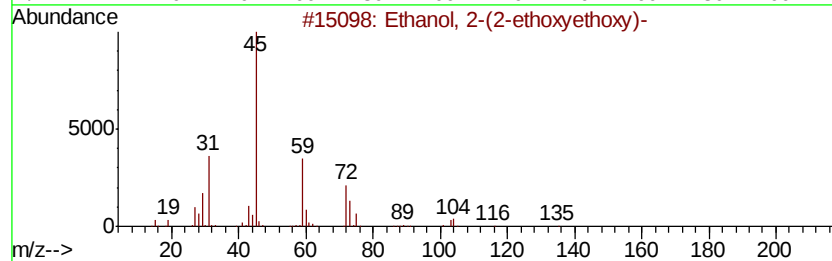
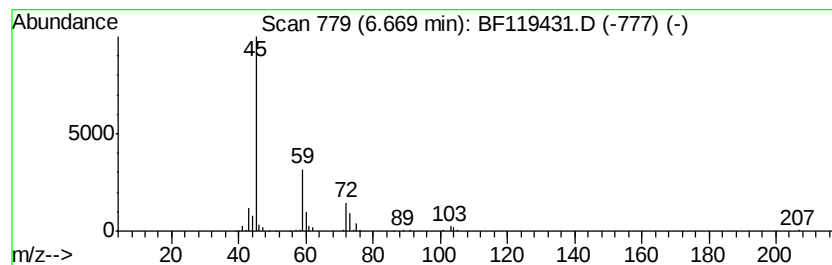
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.67 | 2.93 ng | 315679 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Ethanol, 2-(2-ethoxyethoxy)-         | 134 | C6H14O3  | 000111-90-0 | 90   |
| 2    |    | Ethanol, 2-(2-methoxyethoxy)-        | 120 | C5H12O3  | 000111-77-3 | 39   |
| 3    |    | Butanoic acid, 4-methoxy-            | 118 | C5H10O3  | 029006-02-8 | 39   |
| 4    |    | .beta.-Methoxyethoxymethyl chloride  | 124 | C4H9ClO2 | 003970-21-6 | 38   |
| 5    |    | Ethanol, 2-[2-(2-propenyloxy)eth...] | 146 | C7H14O3  | 015075-50-0 | 36   |



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ALS Vial : 16 Sample Multiplier: 1

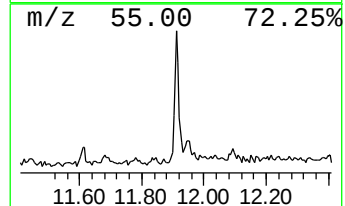
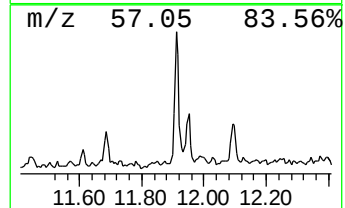
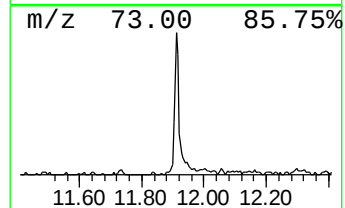
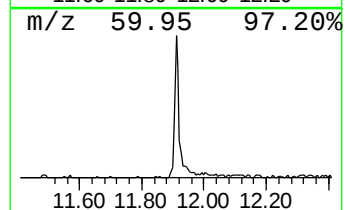
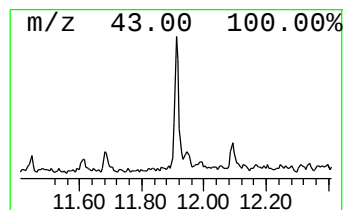
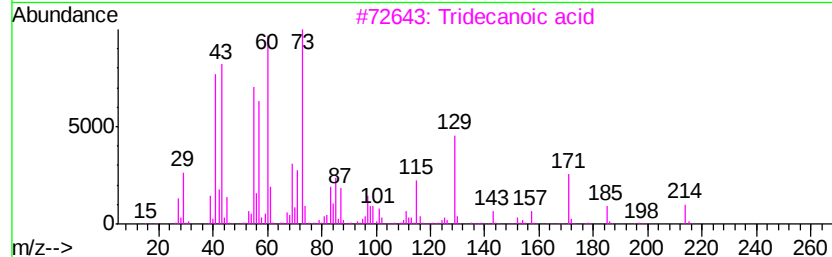
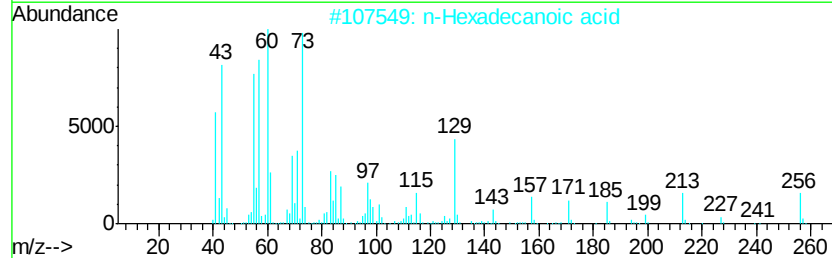
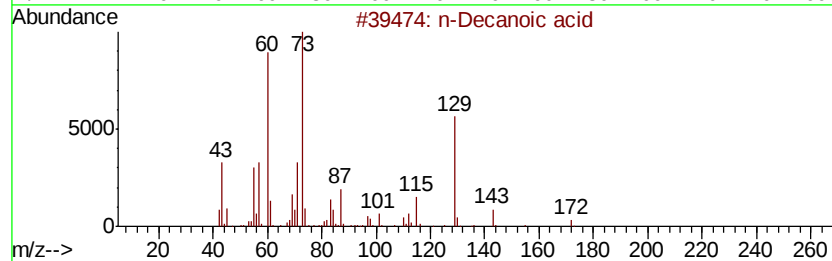
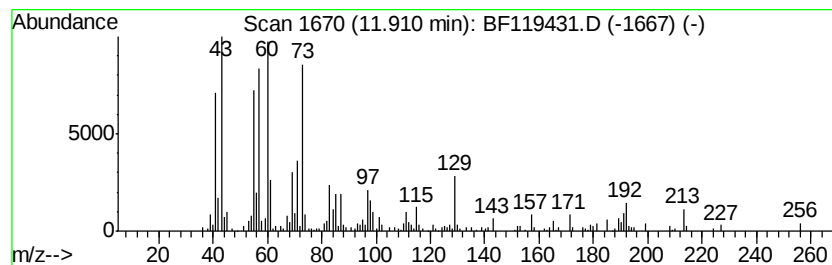
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

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

\*\*\*\*\*  
Peak Number 5 n-Decanoic acid Concentration Rank 8

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 11.91     | 2.08 ng             | 295903 | Phenanthrene-d10 |             | 11.39 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Decanoic acid     | 172    | C10H20O2         | 000334-48-5 | 83    |
| 2         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 83    |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 70    |
| 4         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 68    |
| 5         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 59    |



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ALS Vial : 16 Sample Multiplier: 1

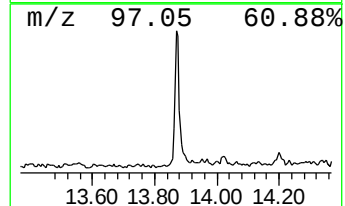
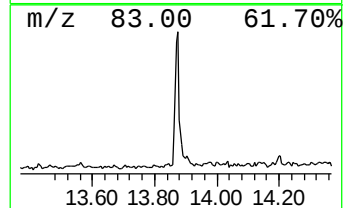
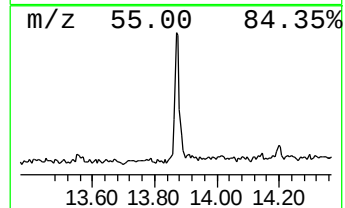
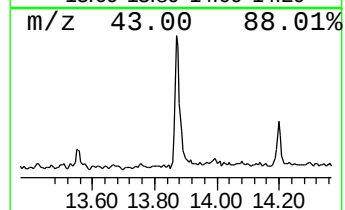
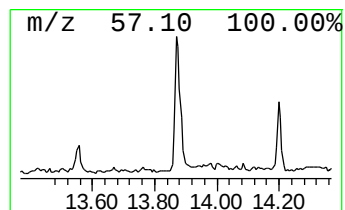
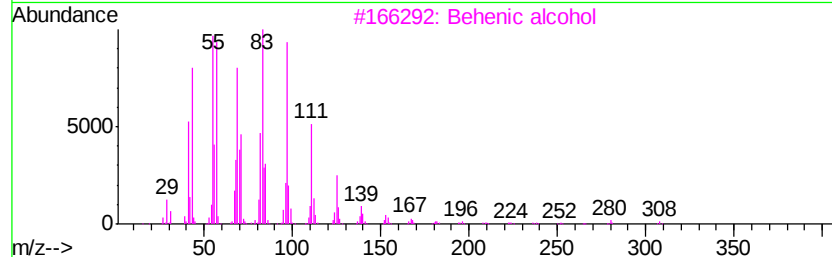
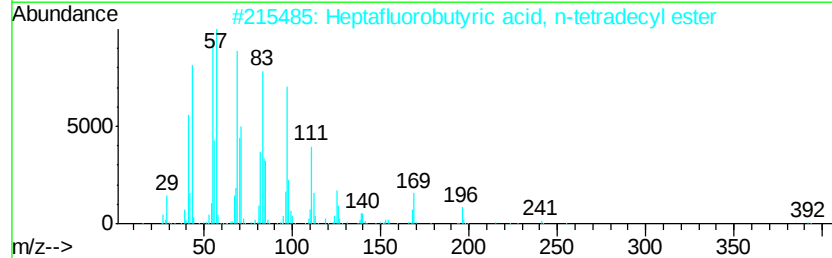
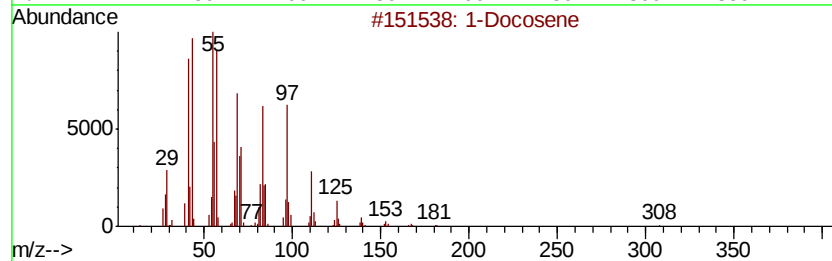
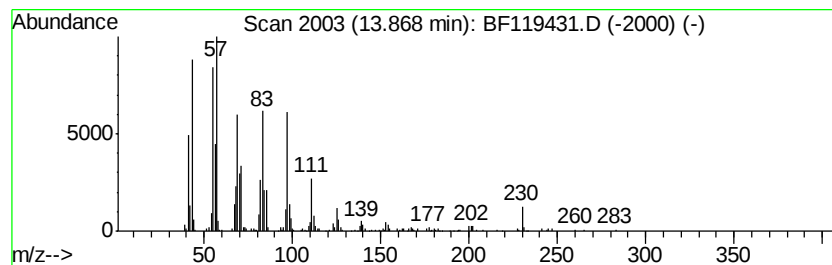
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.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 1-Docosene Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.           |
|---------|-------------------------------------|--------------|------------------|----------------|
| 13.87   | 4.96 ng                             | 481799       | Chrysene-d12     | 14.02          |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | 1-Docosene                          |              | 308 C22H44       | 001599-67-3 94 |
| 2       | Heptafluorobutyric acid, n-tetra... |              | 410 C18H29F7O2   | 007365-36-8 91 |
| 3       | Behenic alcohol                     |              | 326 C22H46O      | 000661-19-8 91 |
| 4       | 1-Heneicosanol                      |              | 312 C21H44O      | 015594-90-8 91 |
| 5       | Pentafluoropropionic acid, penta... |              | 374 C18H31F5O2   | 959092-08-1 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031820\  
Data File : BF119431.D  
Acq On : 18 Mar 2020 22:53  
Operator : CG/JU  
Sample : L1913-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

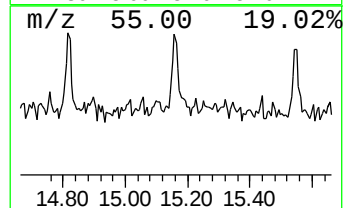
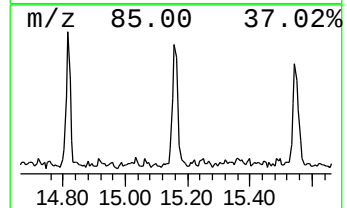
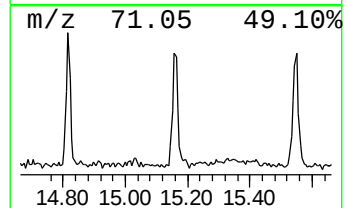
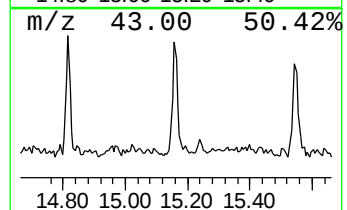
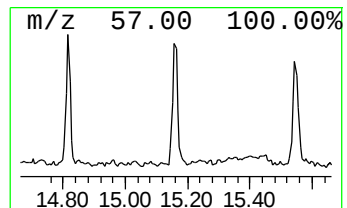
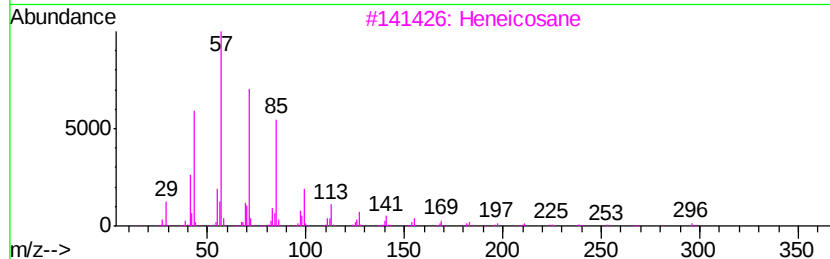
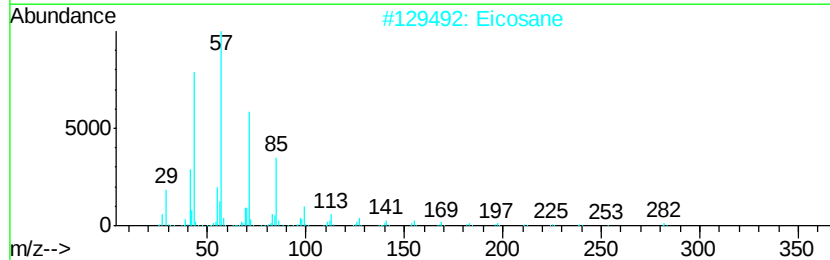
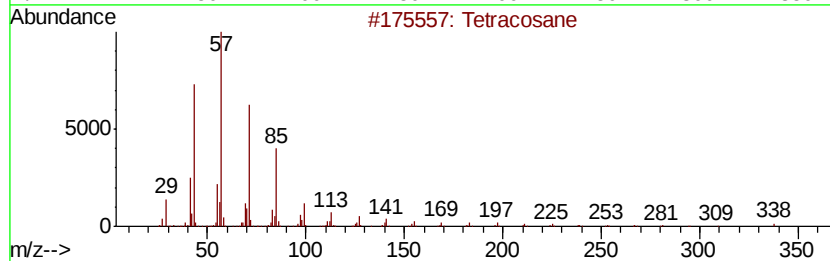
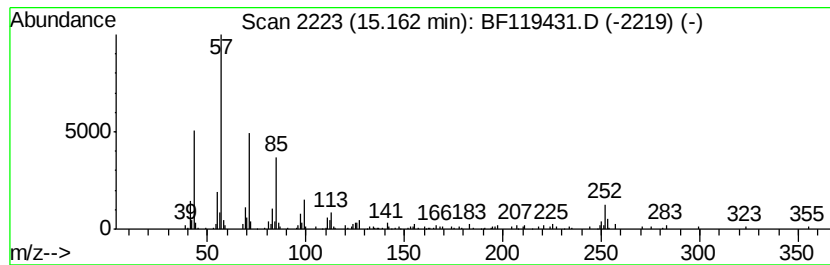
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.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 Tetracosane Concentration Rank 6

| R.T.      | EstConc      | Area   | Relative to ISTD |             | R.T.  |
|-----------|--------------|--------|------------------|-------------|-------|
| 15.16     | 2.28 ng      | 210492 | Perylene-d12     |             | 15.50 |
| Hit# of 5 | Tentative ID | MW     | MolForm          | CAS#        | Qual  |
| 1         | Tetracosane  | 338    | C24H50           | 000646-31-1 | 81    |
| 2         | Eicosane     | 282    | C20H42           | 000112-95-8 | 80    |
| 3         | Heneicosane  | 296    | C21H44           | 000629-94-7 | 74    |
| 4         | Octadecane   | 254    | C18H38           | 000593-45-3 | 74    |
| 5         | Pentadecane  | 212    | C15H32           | 000629-62-9 | 72    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF031820\  
Data File : BF119431.D  
Acq On : 18 Mar 2020 22:53  
Operator : CG/JU  
Sample : L1913-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.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... | 2.15  | 3.7     | ng    | 401529   | 1                       | 6.85  | 2156500 | 20.0 |
| 2-Pentanone, 4-hy... | 5.07  | 2.1     | ng    | 231638   | 1                       | 6.85  | 2156500 | 20.0 |
| Ethanol, 2-(2-eth... | 6.67  | 2.9     | ng    | 315679   | 1                       | 6.85  | 2156500 | 20.0 |
| n-Decanoic acid      | 11.91 | 2.1     | ng    | 295903   | 4                       | 11.39 | 2844560 | 20.0 |
| 1-Docosene           | 13.87 | 5.0     | ng    | 481799   | 5                       | 14.02 | 1943550 | 20.0 |
| Tetracosane          | 15.16 | 2.3     | ng    | 210492   | 6                       | 15.50 | 1847880 | 20.0 |