

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021918\  
 Data File : BN000124.D  
 Acq On : 19 Feb 2018 23:21  
 Operator : JU/SJ  
 Sample : J1577-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 COMPOSITE-B-DISSOLVED

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\_N\METHODS\8270-BN020718.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         | 3.234       | 37            | 42          | 51           | rBV      | 403469         | 775217        | 2.65%           | 0.481%        |
| 2         | 3.316       | 51            | 56          | 80           | rVB      | 3085552        | 5282009       | 18.05%          | 3.280%        |
| 3         | 5.934       | 492           | 501         | 514          | rBV      | 3645608        | 5908143       | 20.19%          | 3.669%        |
| 4         | 7.581       | 767           | 781         | 793          | rBV      | 2871209        | 4823564       | 16.49%          | 2.996%        |
| 5         | 7.975       | 839           | 848         | 861          | rBV      | 7038015        | 11801808      | 40.34%          | 7.330%        |
| 6         | 8.457       | 922           | 930         | 943          | rVB      | 1675580        | 2759635       | 9.43%           | 1.714%        |
| 7         | 8.787       | 978           | 986         | 999          | rBV      | 6341909        | 10645830      | 36.38%          | 6.612%        |
| 8         | 9.634       | 1122          | 1130        | 1138         | rBV      | 5225856        | 8897131       | 30.41%          | 5.526%        |
| 9         | 11.298      | 1404          | 1413        | 1422         | rBV      | 2577826        | 4415528       | 15.09%          | 2.742%        |
| 10        | 13.698      | 1812          | 1821        | 1830         | rBV      | 14922962       | 22018436      | 75.25%          | 13.675%       |
| 11        | 14.498      | 1952          | 1957        | 1964         | rBV      | 361065         | 567213        | 1.94%           | 0.352%        |
| 12        | 14.928      | 2025          | 2030        | 2035         | rVB      | 244467         | 303794        | 1.04%           | 0.189%        |
| 13        | 15.069      | 2047          | 2054        | 2062         | rBV2     | 3953252        | 6170187       | 21.09%          | 3.832%        |
| 14        | 15.869      | 2178          | 2190        | 2195         | rBV2     | 320801         | 620363        | 2.12%           | 0.385%        |
| 15        | 16.533      | 2297          | 2303        | 2318         | rBV      | 10340259       | 15395833      | 52.62%          | 9.562%        |
| 16        | 16.722      | 2330          | 2335        | 2353         | rVB      | 304577         | 547299        | 1.87%           | 0.340%        |
| 17        | 17.786      | 2509          | 2516        | 2523         | rBV2     | 5236300        | 7621692       | 26.05%          | 4.733%        |
| 18        | 18.627      | 2653          | 2659        | 2670         | rBV      | 1042486        | 1725971       | 5.90%           | 1.072%        |
| 19        | 19.874      | 2866          | 2871        | 2885         | rBV      | 793562         | 1269959       | 4.34%           | 0.789%        |
| 20        | 20.345      | 2945          | 2951        | 2957         | rBV      | 22727021       | 29259095      | 100.00%         | 18.172%       |
| 21        | 21.568      | 3154          | 3159        | 3170         | rBV2     | 522002         | 1001901       | 3.42%           | 0.622%        |
| 22        | 21.898      | 3209          | 3215        | 3225         | rBV      | 6984361        | 9230820       | 31.55%          | 5.733%        |
| 23        | 24.374      | 3628          | 3636        | 3651         | rVB2     | 4841534        | 9974947       | 34.09%          | 6.195%        |

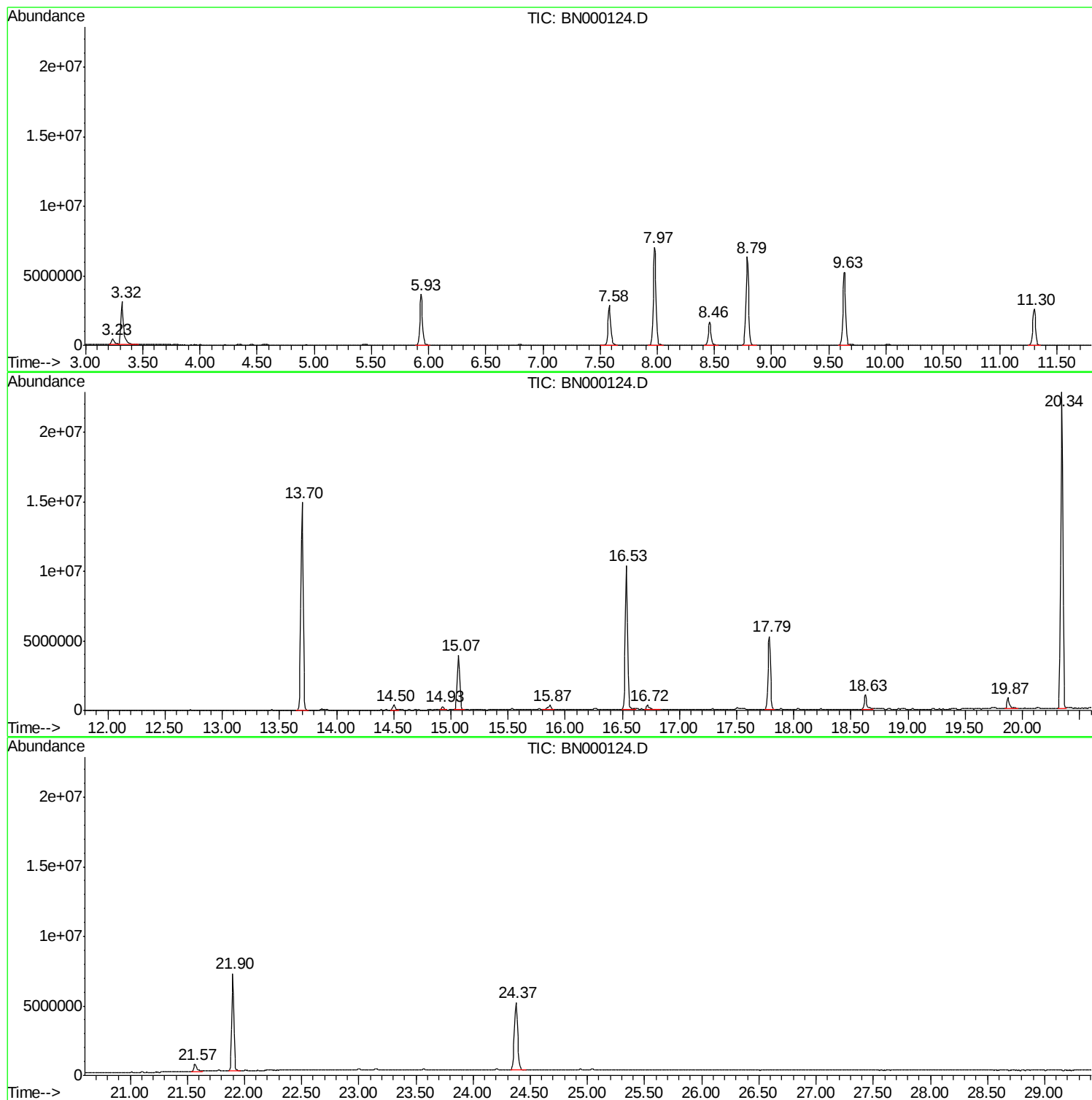
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

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BNA\_N  
ClientSampleId :  
COMPOSITE-B-DISSOLVED

Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.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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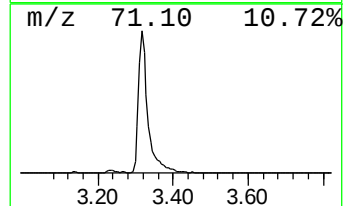
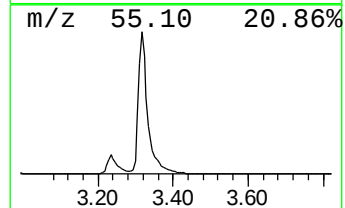
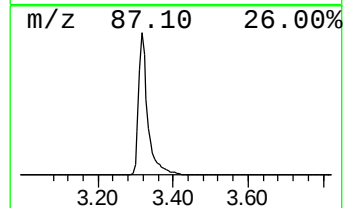
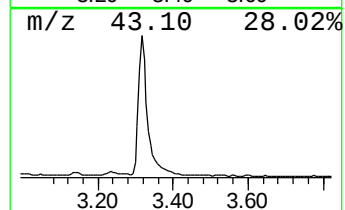
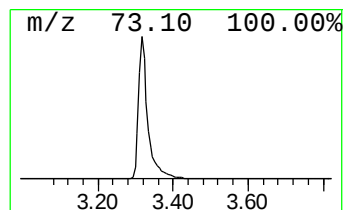
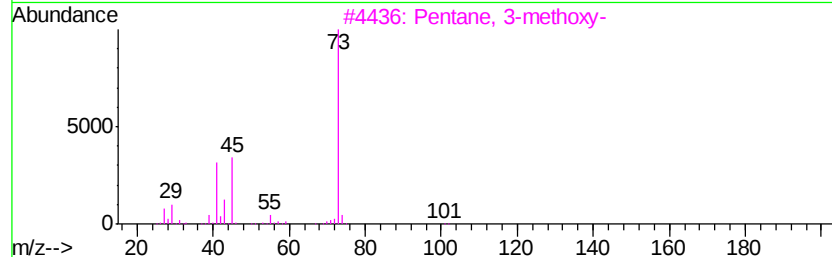
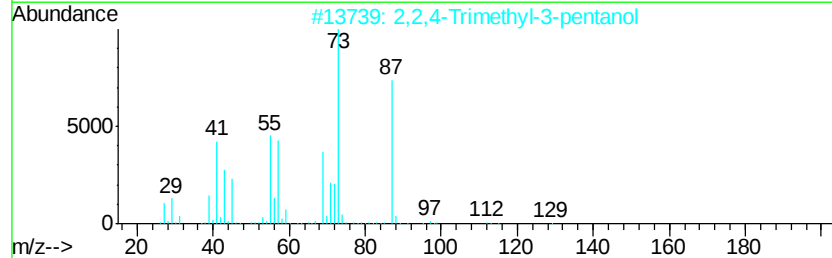
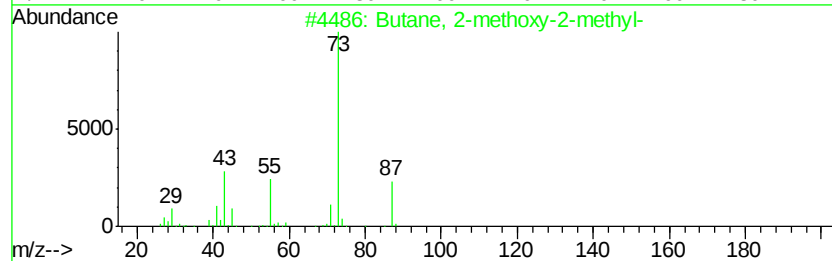
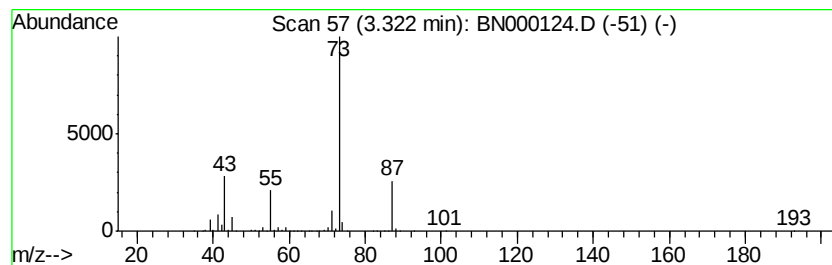
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 3.32 | 38.28 ng | 5282010 | 1,4-Dichlorobenzene-d4 | 8.46 |

| 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 | 43   |
| 3       |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4       |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |
| 5       |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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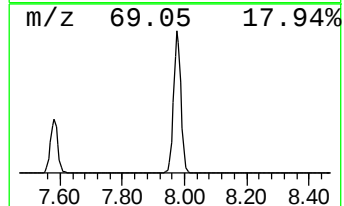
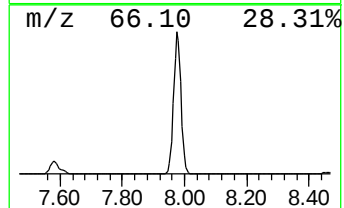
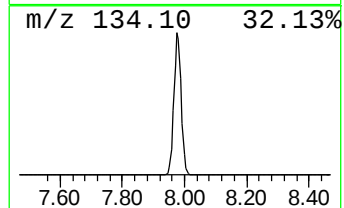
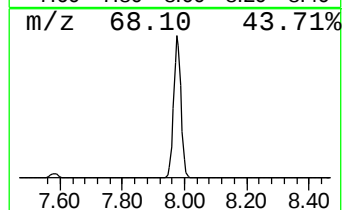
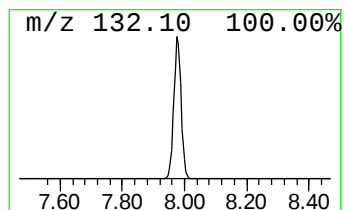
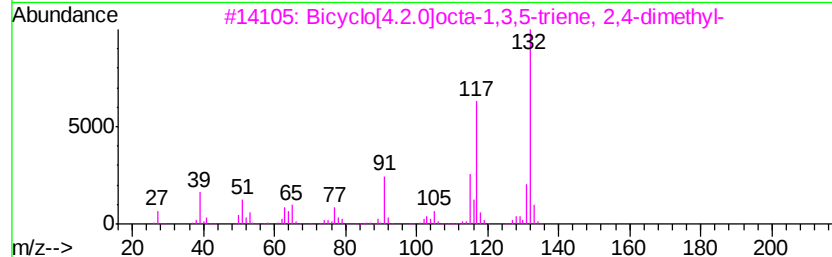
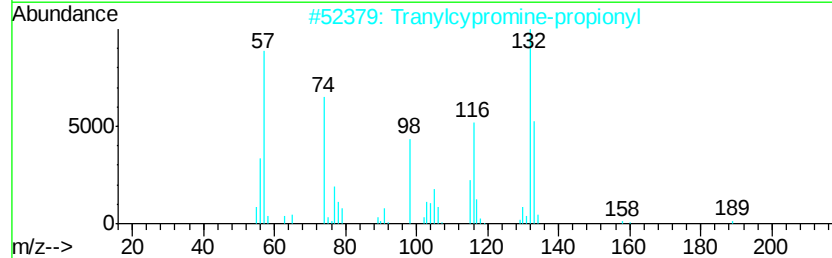
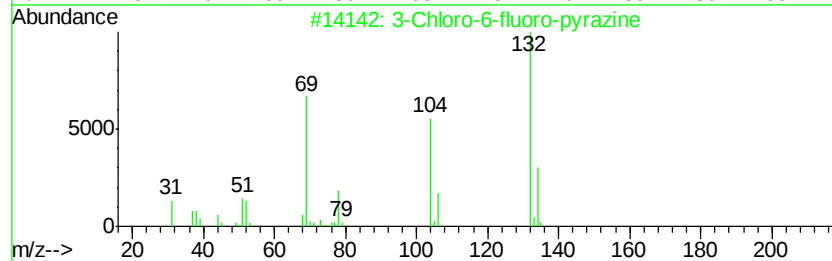
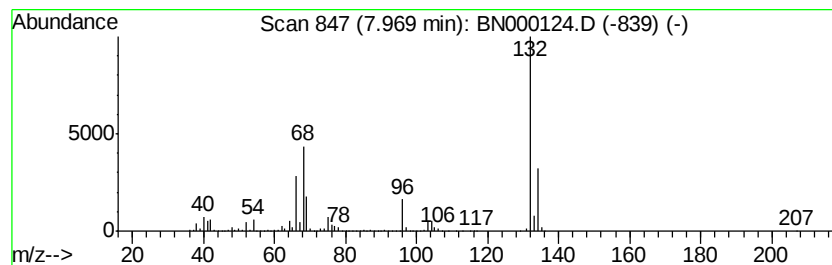
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 unknown7.97 Concentration Rank 1

| R.T. | EstConc  | Area     | Relative to ISTD       | R.T. |
|------|----------|----------|------------------------|------|
| 7.97 | 85.53 ng | 11801800 | 1,4-Dichlorobenzene-d4 | 8.46 |

| 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    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5  | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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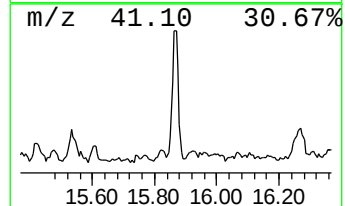
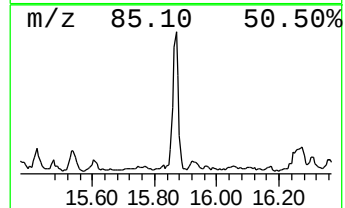
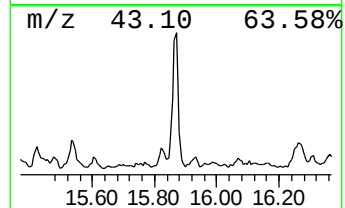
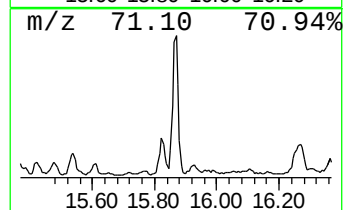
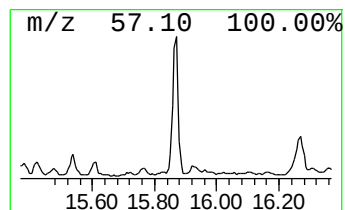
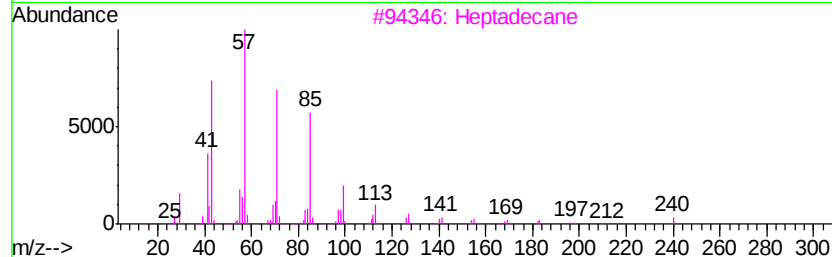
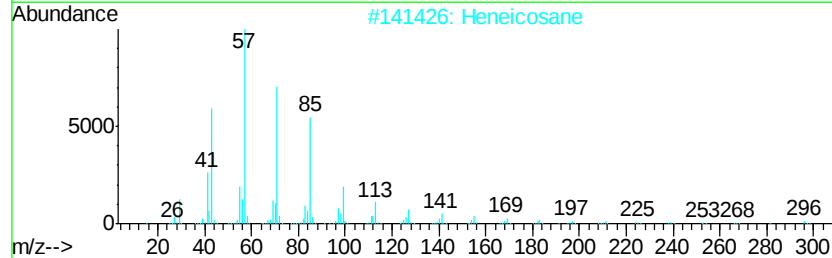
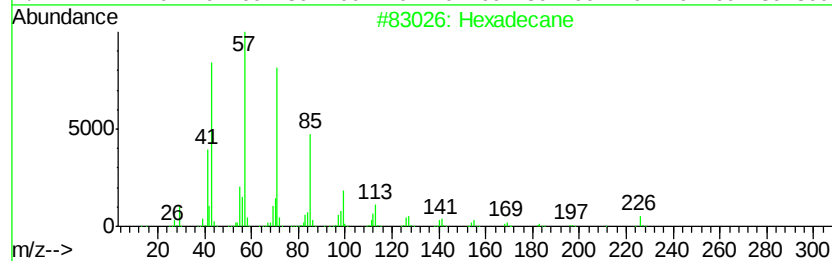
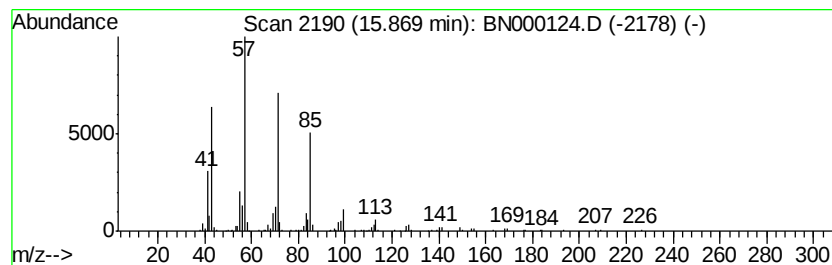
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Hexadecane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.87 | 2.01 ng | 620363 | Acenaphthene-d10 | 15.07 |

| Hit# of | 5                   | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|---------------------|--------------|-----|---------|-------------|------|
| 1       | Hexadecane          |              | 226 | C16H34  | 000544-76-3 | 95   |
| 2       | Heneicosane         |              | 296 | C21H44  | 000629-94-7 | 91   |
| 3       | Heptadecane         |              | 240 | C17H36  | 000629-78-7 | 90   |
| 4       | Tetradecane         |              | 198 | C14H30  | 000629-59-4 | 87   |
| 5       | Dodecane, 4-methyl- |              | 184 | C13H28  | 006117-97-1 | 86   |



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Instrument :  
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COMPOSITE-B-DISSOLVED

Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

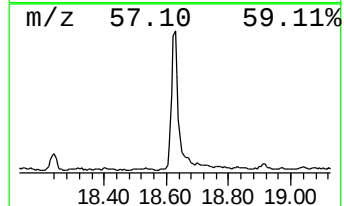
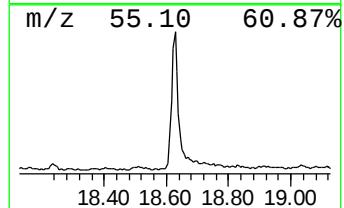
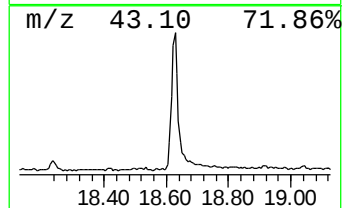
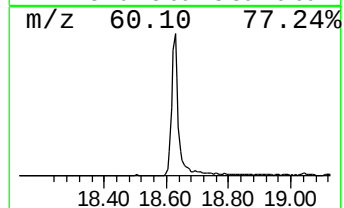
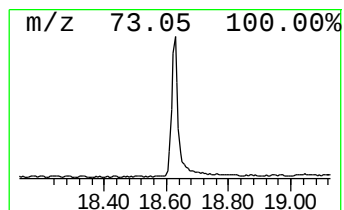
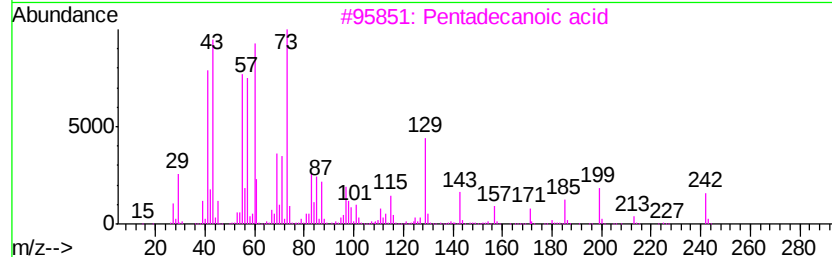
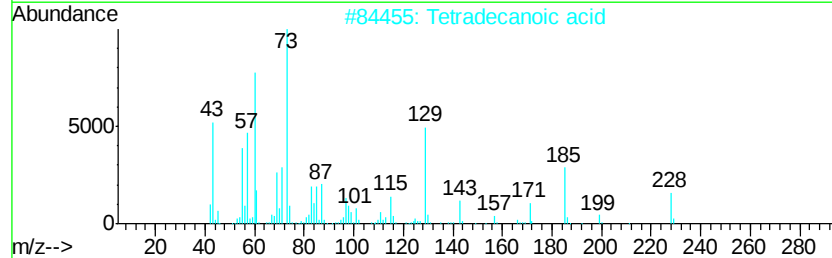
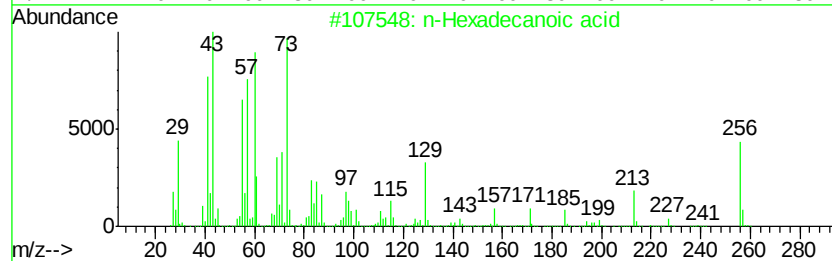
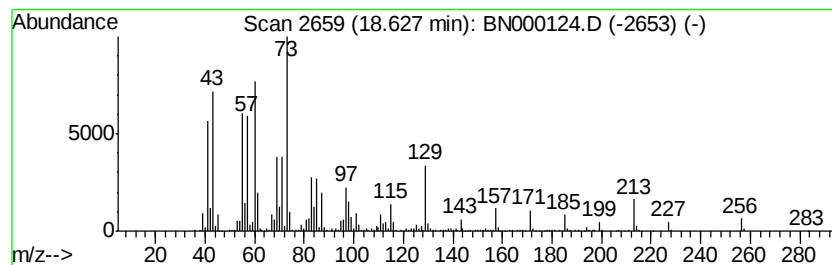
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 18.63 | 4.53 ng | 1725970 | Phenanthrene-d10 | 17.79 |

| Hit# of 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|-----------|---------------------|-----|----------|-------------|------|
| 1         | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2         | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 87   |
| 3         | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 68   |
| 4         | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 64   |
| 5         | Isopropyl palmitate | 298 | C19H38O2 | 000142-91-6 | 58   |



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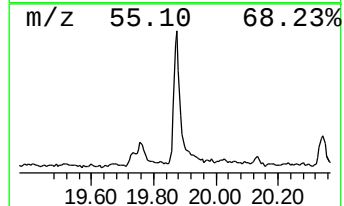
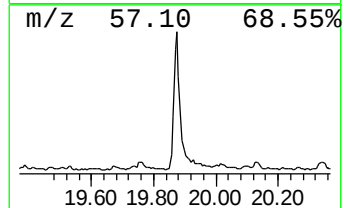
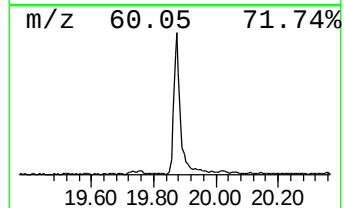
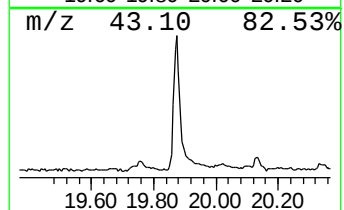
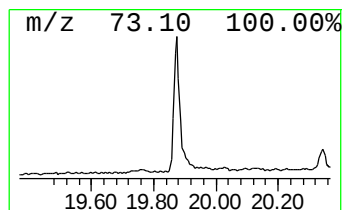
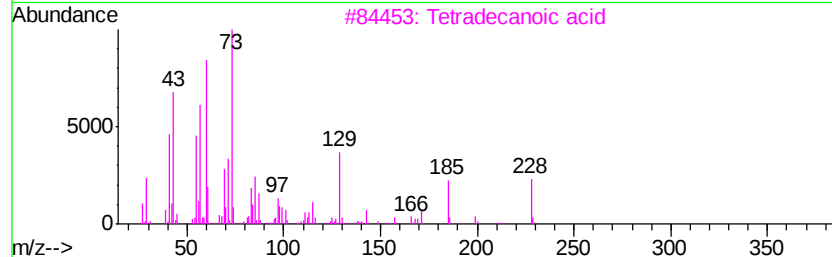
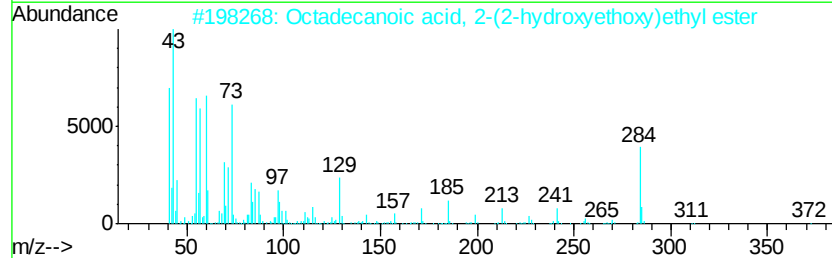
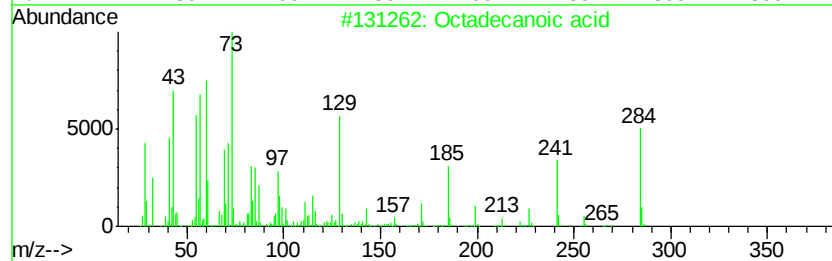
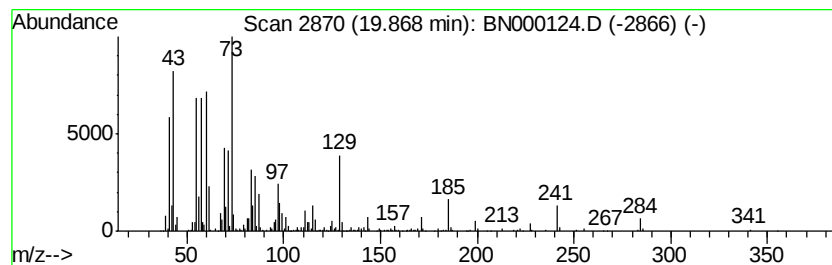
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Peak Number 7 Octadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 19.87 | 2.75 ng | 1269960 | Chrysene-d12     | 21.90 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid                    | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | Octadecanoic acid, 2-(2-hydroxyve... | 372 | C22H44O4 | 000106-11-6 | 91   |
| 3    |    | Tetradecanoic acid                   | 228 | C14H28O2 | 000544-63-8 | 87   |
| 4    |    | Pentadecanoic acid                   | 242 | C15H30O2 | 001002-84-2 | 76   |
| 5    |    | Nonane, 4,5-dimethyl-                | 156 | C11H24   | 017302-23-7 | 15   |



Data Path : Z:\HPCHEM1\BNA N\DATA\BN021918\  
Data File : BN000124.D  
Acq On : 19 Feb 2018 23:21  
Operator : JU/SJ  
Sample : J1577-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

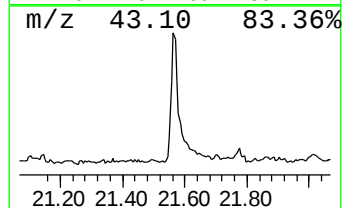
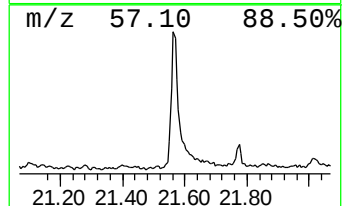
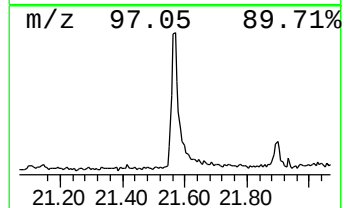
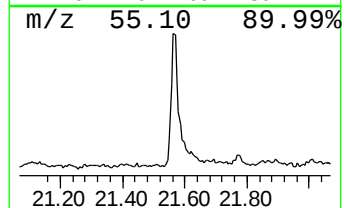
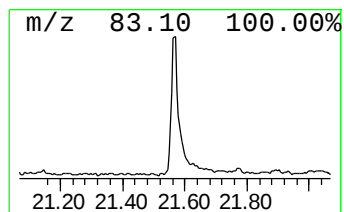
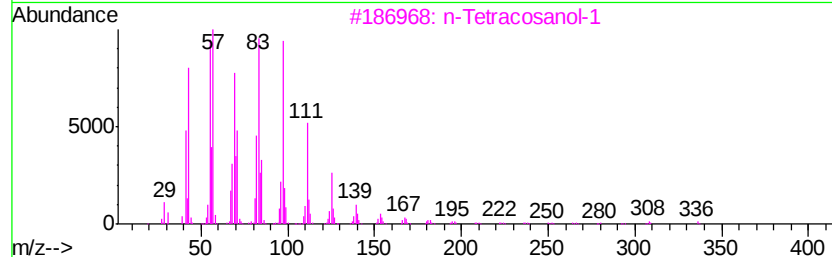
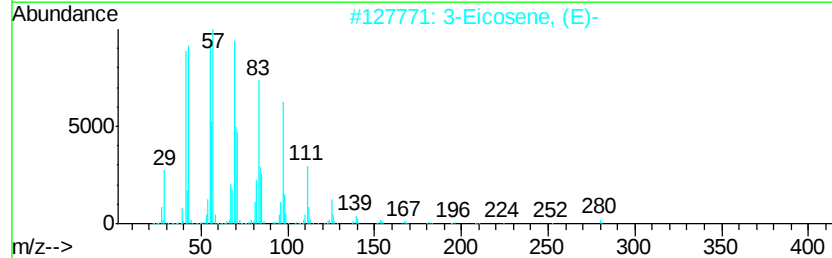
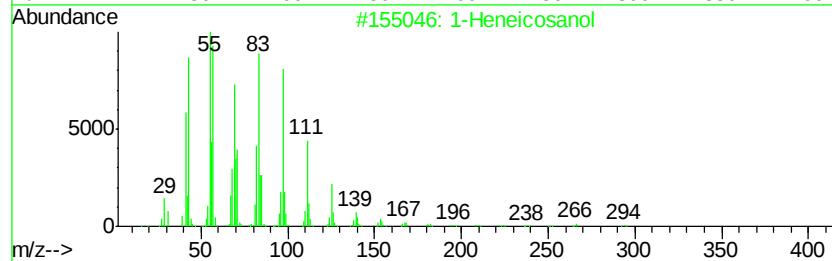
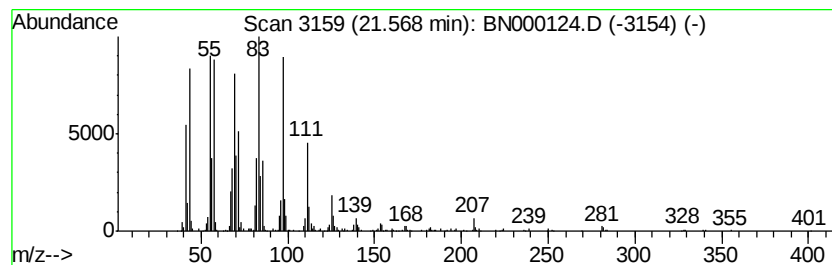
Instrument :  
BNA\_N  
ClientSampleId :  
COMPOSITE-B-DISSOLVED

Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 1-Heneicosanol Concentration Rank 7

| R.T.    | EstConc          | Area         | Relative to ISTD | R.T.      |
|---------|------------------|--------------|------------------|-----------|
| 21.57   | 2.17 ng          | 1001900      | Chrysene-d12     | 21.90     |
| Hit# of | 5                | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 1-Heneicosanol   | 312 C21H44O  | 015594-90-8      | 95        |
| 2       | 3-Eicosene, (E)- | 280 C20H40   | 074685-33-9      | 91        |
| 3       | n-Tetracosanol-1 | 354 C24H50O  | 000506-51-4      | 91        |
| 4       | Behenic alcohol  | 326 C22H46O  | 000661-19-8      | 91        |
| 5       | Cyclopentadecane | 210 C15H30   | 000295-48-7      | 91        |



Data Path : Z:\HPCHEM1\BNA\_N\DATA\BN021918\  
Data File : BN000124.D  
Acq On : 19 Feb 2018 23:21  
Operator : JU/SJ  
Sample : J1577-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
COMPOSITE-B-DISSOLVED

Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\8270-BN020718.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... | 3.32  | 38.3    | ng    | 5282010  | 1                     | 8.46  | 2759640 | 20.0 |
| unknown7.97          | 7.97  | 85.5    | ng    | 11801800 | 1                     | 8.46  | 2759640 | 20.0 |
| Hexadecane           | 15.87 | 2.0     | ng    | 620363   | 3                     | 15.07 | 6170190 | 20.0 |
| n-Hexadecanoic acid  | 18.63 | 4.5     | ng    | 1725970  | 4                     | 17.79 | 7621690 | 20.0 |
| Octadecanoic acid    | 19.87 | 2.8     | ng    | 1269960  | 5                     | 21.90 | 9230820 | 20.0 |
| 1-Heneicosanol       | 21.57 | 2.2     | ng    | 1001900  | 5                     | 21.90 | 9230820 | 20.0 |