

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF112719\  
 Data File : BF118057.D  
 Acq On : 27 Nov 2019 22:47  
 Operator : JU  
 Sample : K5999-07  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDLEWILD-BH-04B

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-BF111319.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         | 2.146       | 4             | 10          | 19           | rVB      | 659342         | 810995        | 23.74%          | 2.810%        |
| 2         | 3.957       | 313           | 318         | 326          | rVB      | 93082          | 114771        | 3.36%           | 0.398%        |
| 3         | 5.093       | 506           | 511         | 519          | rVB      | 425071         | 528177        | 15.46%          | 1.830%        |
| 4         | 5.499       | 576           | 580         | 584          | rBV      | 2500495        | 2557529       | 74.86%          | 8.861%        |
| 5         | 6.516       | 747           | 753         | 766          | rBV      | 2944586        | 2942189       | 86.12%          | 10.194%       |
| 6         | 6.657       | 772           | 777         | 780          | rBV      | 3227248        | 3030991       | 88.72%          | 10.502%       |
| 7         | 6.887       | 812           | 816         | 819          | rBV      | 1005829        | 833064        | 24.38%          | 2.886%        |
| 8         | 7.040       | 838           | 842         | 846          | rBV      | 2623786        | 2367822       | 69.31%          | 8.204%        |
| 9         | 7.445       | 907           | 911         | 914          | rBV      | 1897822        | 1800382       | 52.70%          | 6.238%        |
| 10        | 8.169       | 1031          | 1034        | 1038         | rBV      | 1182867        | 1049875       | 30.73%          | 3.638%        |
| 11        | 9.251       | 1214          | 1218        | 1221         | rBV      | 4221595        | 3416490       | 100.00%         | 11.838%       |
| 12        | 9.645       | 1281          | 1285        | 1288         | rBV      | 442044         | 390394        | 11.43%          | 1.353%        |
| 13        | 9.934       | 1330          | 1334        | 1338         | rBV      | 1408384        | 1174677       | 34.38%          | 4.070%        |
| 14        | 10.728      | 1465          | 1469        | 1472         | rBV      | 2201412        | 1851429       | 54.19%          | 6.415%        |
| 15        | 11.428      | 1584          | 1588        | 1592         | rBV      | 1230609        | 1029780       | 30.14%          | 3.568%        |
| 16        | 11.951      | 1673          | 1677        | 1684         | rBV2     | 144100         | 166524        | 4.87%           | 0.577%        |
| 17        | 12.663      | 1790          | 1798        | 1802         | rBV8     | 17931          | 41556         | 1.22%           | 0.144%        |
| 18        | 12.739      | 1808          | 1811        | 1821         | rBV3     | 50072          | 69757         | 2.04%           | 0.242%        |
| 19        | 13.022      | 1854          | 1859        | 1862         | rBV      | 3161492        | 2722423       | 79.68%          | 9.433%        |
| 20        | 13.498      | 1937          | 1940        | 1942         | rVB      | 81951          | 71308         | 2.09%           | 0.247%        |
| 21        | 13.916      | 2008          | 2011        | 2020         | rBV2     | 73703          | 140053        | 4.10%           | 0.485%        |
| 22        | 14.080      | 2035          | 2039        | 2043         | rBV      | 965337         | 862786        | 25.25%          | 2.989%        |
| 23        | 15.586      | 2290          | 2295        | 2304         | rVB      | 613872         | 888411        | 26.00%          | 3.078%        |

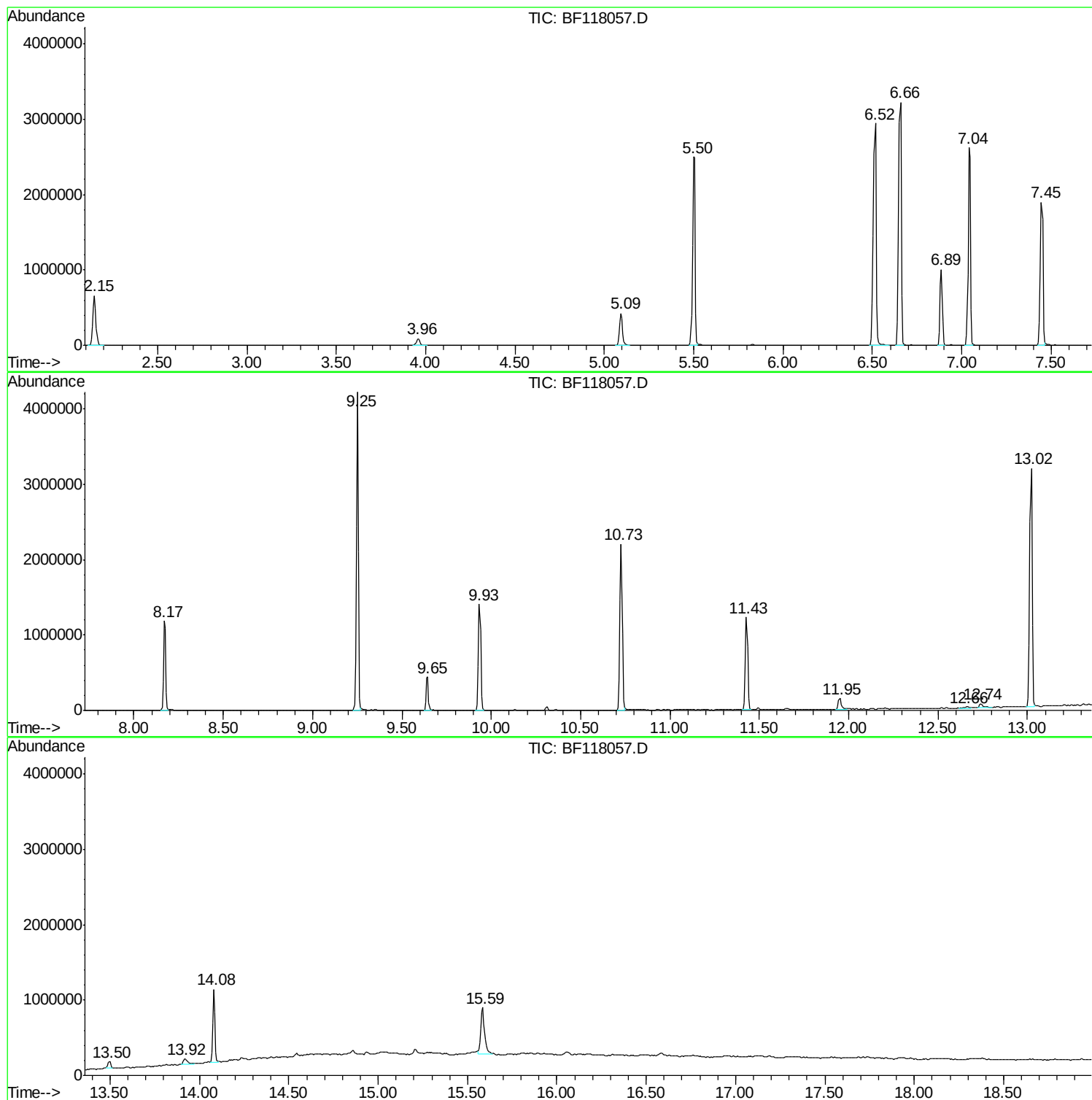
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Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-04B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.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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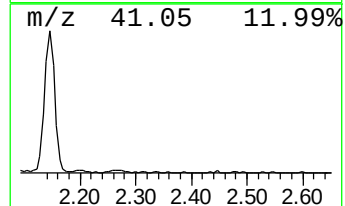
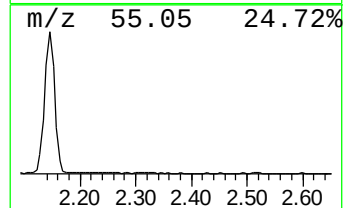
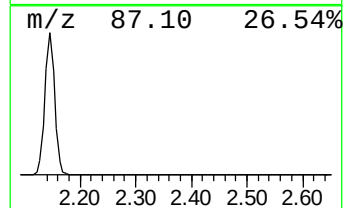
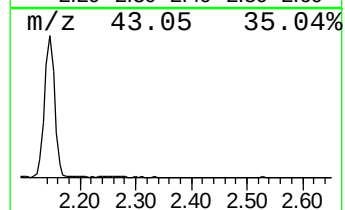
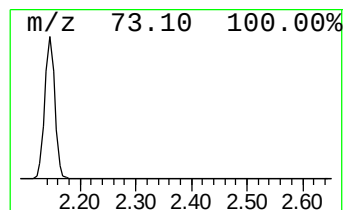
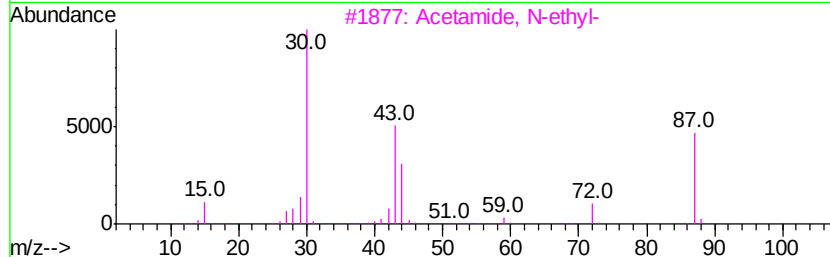
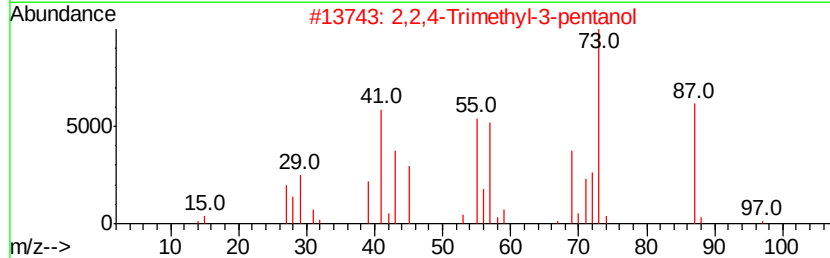
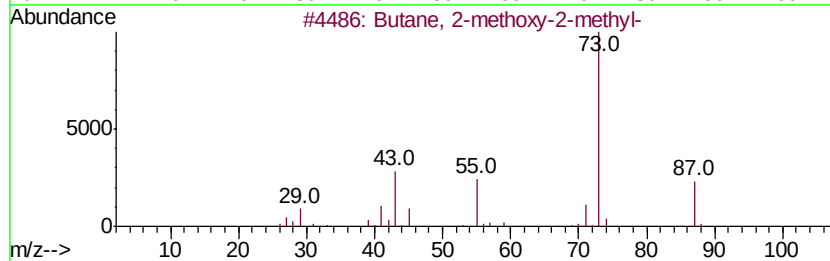
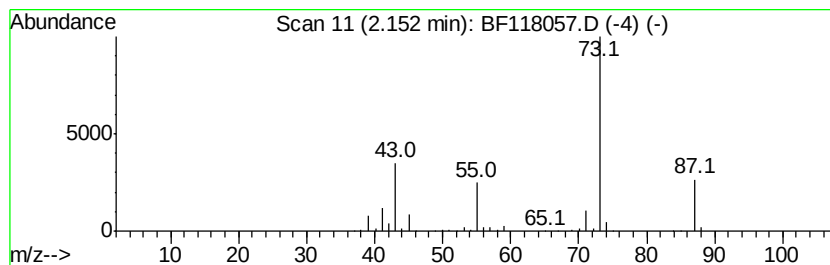
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 | 19.47 ng | 810995 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | 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    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 22   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 10   |



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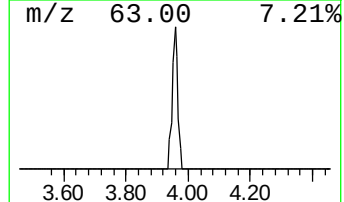
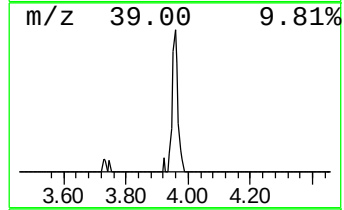
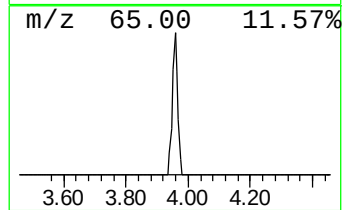
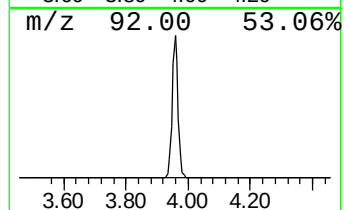
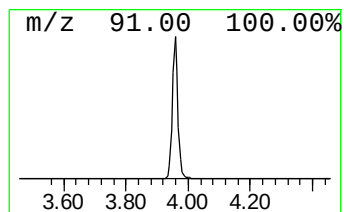
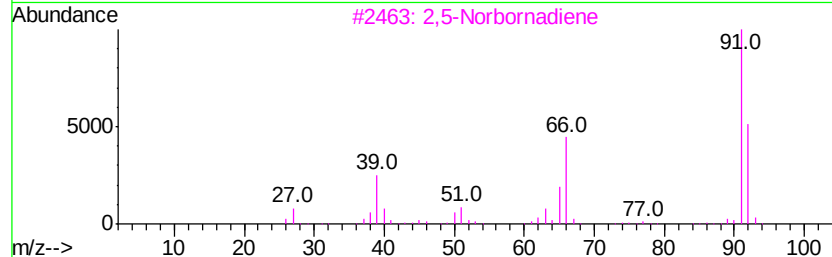
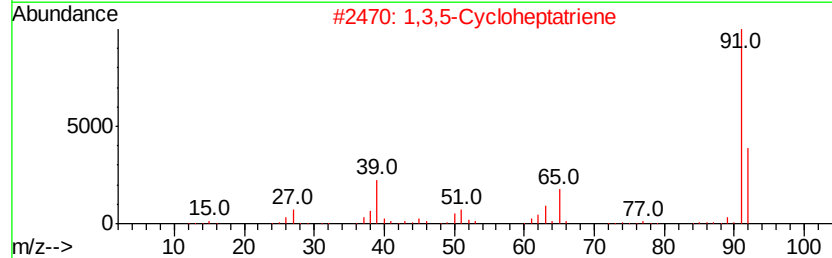
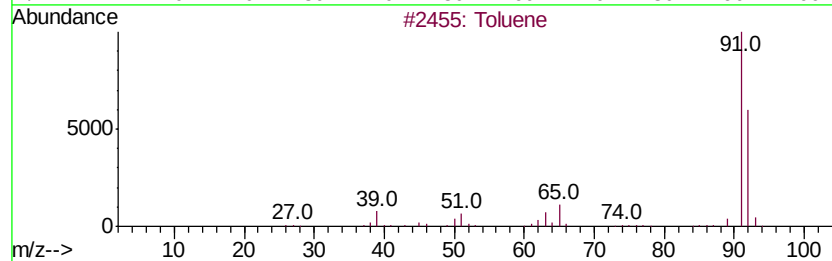
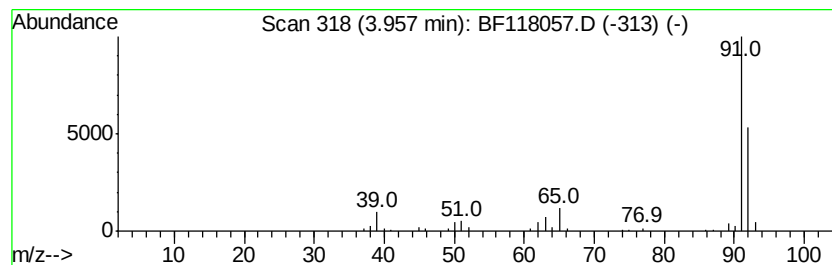
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 1,3,5-Cycloheptatriene Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 3.96 | 2.76 ng | 114771 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|--------------|-------------|------|
| 1    |    |   | Toluene                             | 92  | C7H8         | 000108-88-3 | 94   |
| 2    |    |   | 1,3,5-Cycloheptatriene              | 92  | C7H8         | 000544-25-2 | 90   |
| 3    |    |   | 2,5-Norbornadiene                   | 92  | C7H8         | 000121-46-0 | 83   |
| 4    |    |   | Spiro[2.4]hepta-4,6-diene           | 92  | C7H8         | 000765-46-8 | 76   |
| 5    |    |   | Molybdenum, di-.mu.-chlorobis[(1... | 532 | C20H26Cl2Mo2 | 035625-66-2 | 72   |



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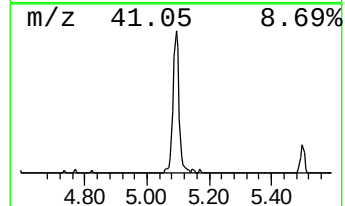
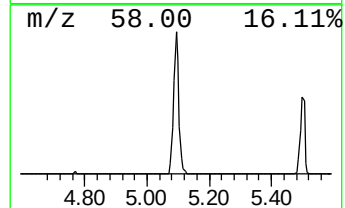
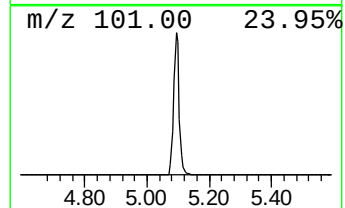
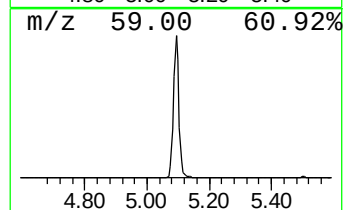
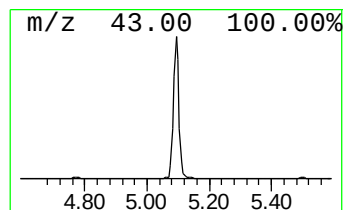
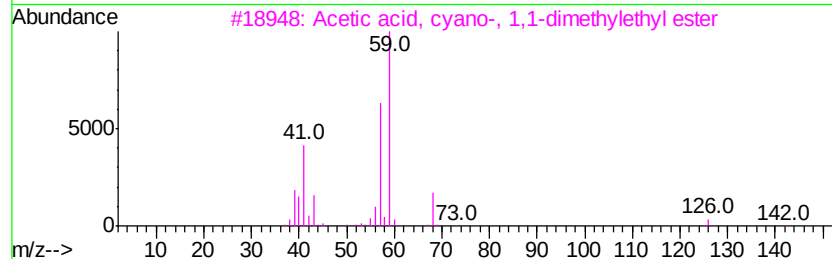
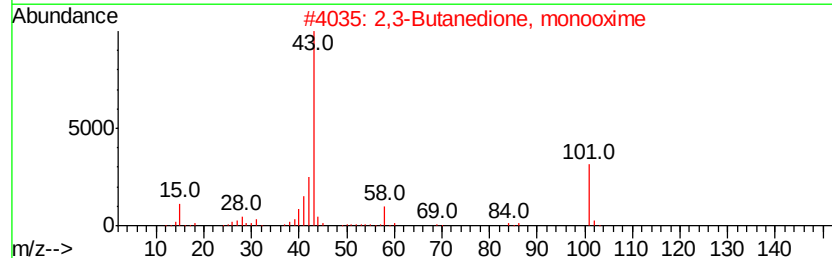
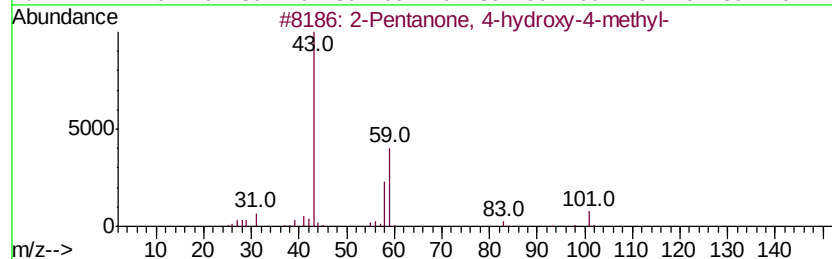
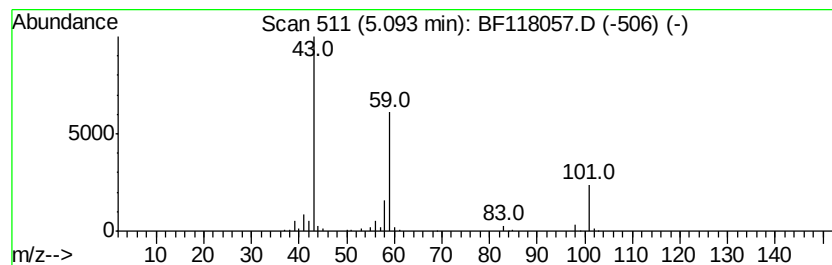
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.09 | 12.68 ng | 528177 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 25   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 4    |    | Acetone                              | 58  | C3H6O    | 000067-64-1 | 10   |
| 5    |    | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |



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Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-04B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

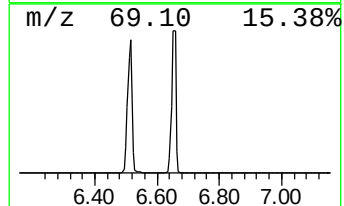
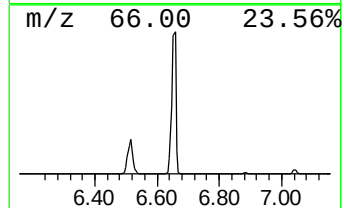
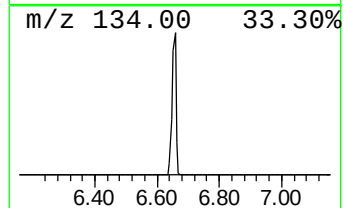
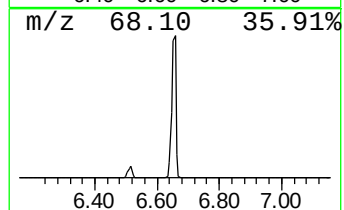
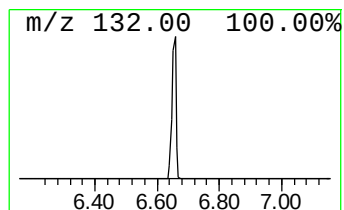
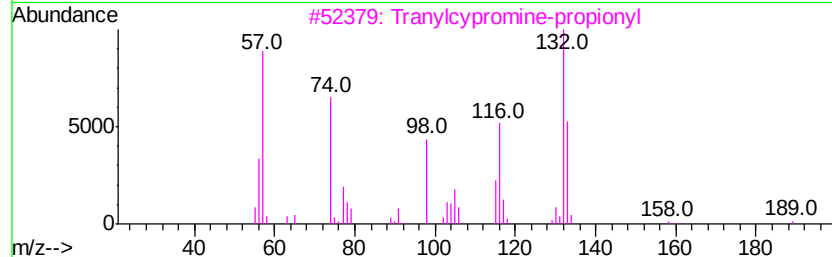
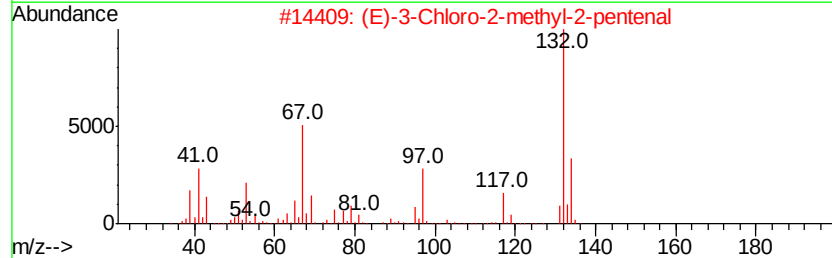
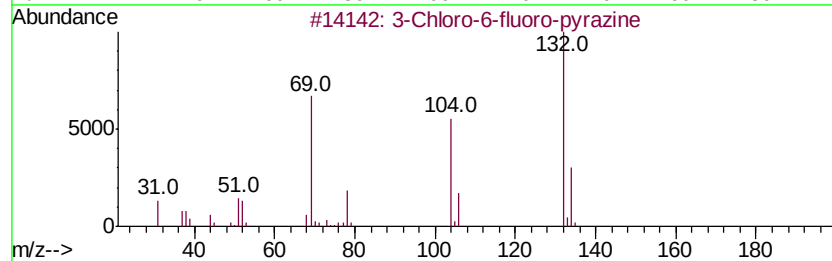
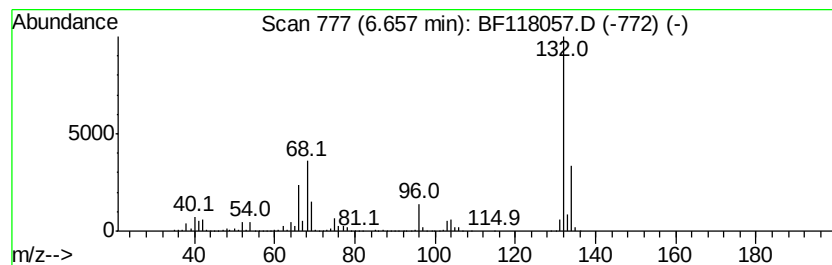
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown6.66 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.66 | 72.77 ng | 3030990 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 16   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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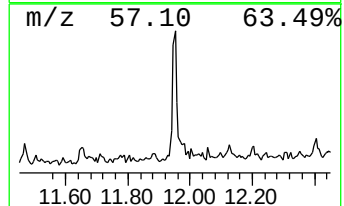
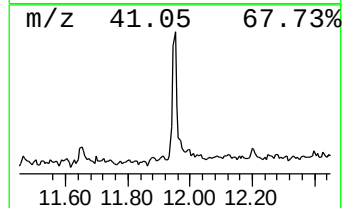
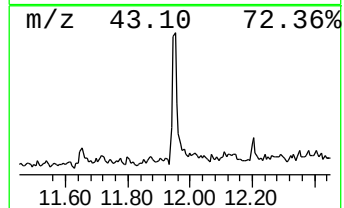
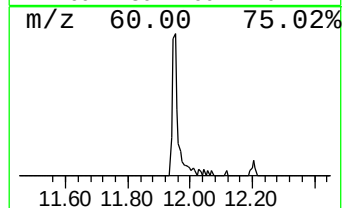
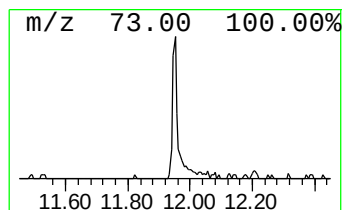
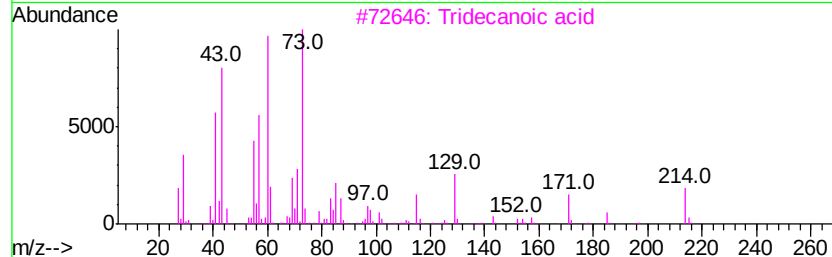
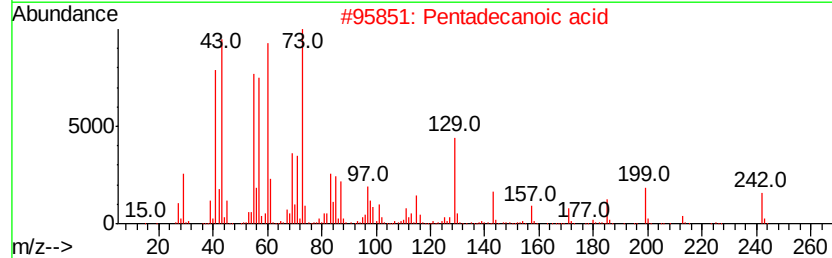
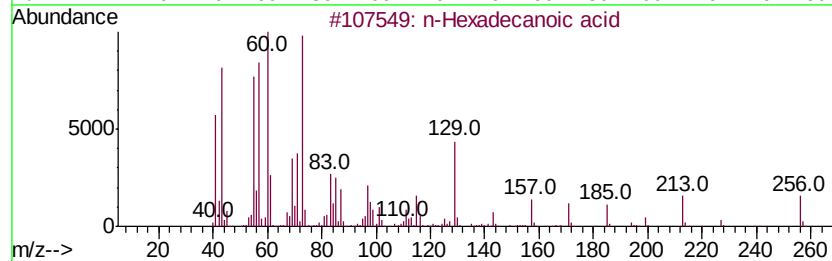
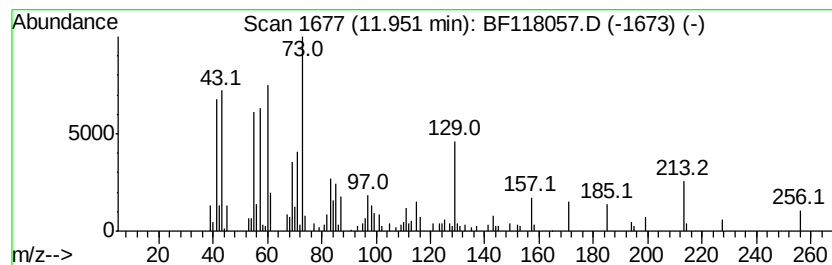
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\*\*\*\*\*  
 Peak Number 6 n-Hexadecanoic acid Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------------------|--------|------------------|-------------|-------|
| 11.95     | 3.23 ng                             | 166524 | Phenanthrene-d10 |             | 11.43 |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid                 | 256    | C16H32O2         | 000057-10-3 | 99    |
| 2         | Pentadecanoic acid                  | 242    | C15H30O2         | 001002-84-2 | 87    |
| 3         | Tridecanoic acid                    | 214    | C13H26O2         | 000638-53-9 | 76    |
| 4         | Ethanone, 1-(4,5-dihydro-2-thiaz... | 129    | C5H7NOS          | 029926-41-8 | 46    |
| 5         | Heneicosane                         | 296    | C21H44           | 000629-94-7 | 11    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\  
Data File : BF118057.D  
Acq On : 27 Nov 2019 22:47  
Operator : JU  
Sample : K5999-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-04B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

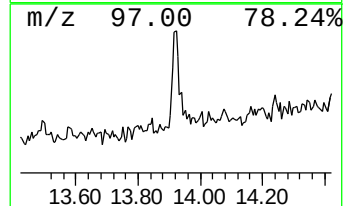
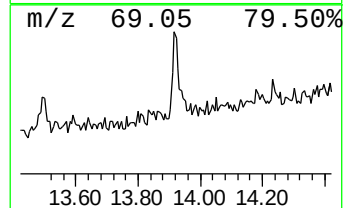
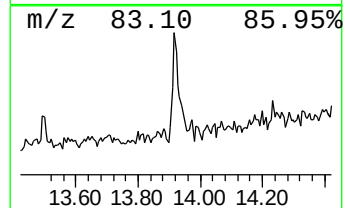
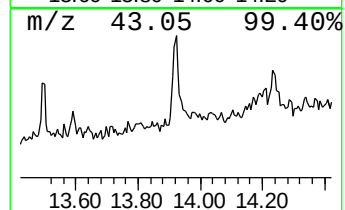
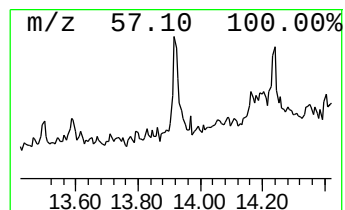
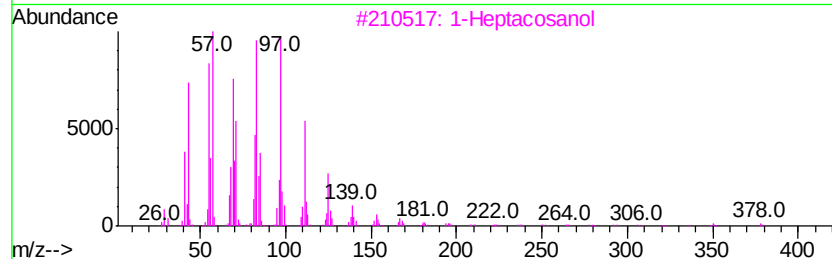
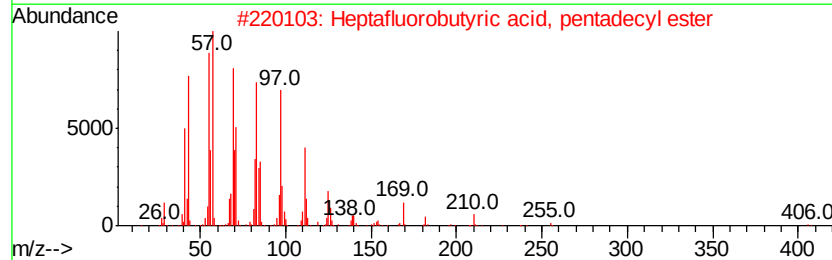
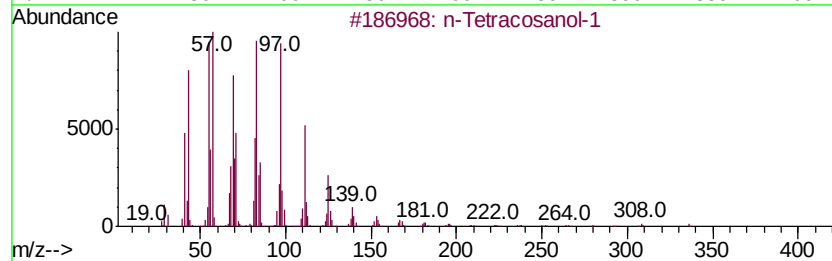
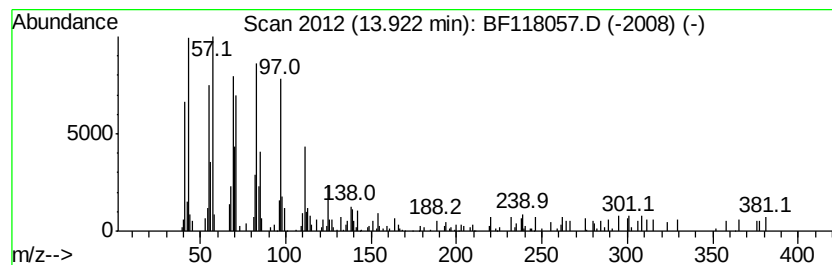
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 n-Tetracosanol-1 Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.92 | 3.25 ng | 140053 | Chrysene-d12     | 14.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | n-Tetracosanol-1                    | 354 | C24H50O    | 000506-51-4  | 93   |
| 2    |    | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5  | 93   |
| 3    |    | 1-Heptacosanol                      | 396 | C27H56O    | 002004-39-9  | 93   |
| 4    |    | Behenic alcohol                     | 326 | C22H46O    | 000661-19-8  | 93   |
| 5    |    | Z-5-Nonadecene                      | 266 | C19H38     | 1000131-11-8 | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF112719\  
Data File : BF118057.D  
Acq On : 27 Nov 2019 22:47  
Operator : JU  
Sample : K5999-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-04B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF111319.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  | 19.5    | ng    | 810995   | 1                     | 6.89  | 833064  | 20.0 |
| 1,3,5-Cycloheptat... | 3.96  | 2.8     | ng    | 114771   | 1                     | 6.89  | 833064  | 20.0 |
| 2-Pentanone, 4-hy... | 5.09  | 12.7    | ng    | 528177   | 1                     | 6.89  | 833064  | 20.0 |
| unknown6.66          | 6.66  | 72.8    | ng    | 3030990  | 1                     | 6.89  | 833064  | 20.0 |
| n-Hexadecanoic acid  | 11.95 | 3.2     | ng    | 166524   | 4                     | 11.43 | 1029780 | 20.0 |
| n-Tetracosanol-1     | 13.92 | 3.3     | ng    | 140053   | 5                     | 14.08 | 862786  | 20.0 |