

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070518\  
 Data File : BM015796.D  
 Acq On : 06 Jul 2018 11:28  
 Operator : SJ/JU  
 Sample : J3869-02  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TW-1

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\_M\METHODS\8270-BM070518.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 5.334    | 340        | 348      | 359       | rBV   | 197560      | 324150     | 2.44%        | 0.492%     |
| 2      | 5.810    | 423        | 429      | 446       | rBV   | 2134228     | 3238024    | 24.34%       | 4.911%     |
| 3      | 7.457    | 703        | 709      | 727       | rBV   | 1453733     | 2559714    | 19.24%       | 3.882%     |
| 4      | 7.834    | 766        | 773      | 786       | rBV   | 3497410     | 5656975    | 42.53%       | 8.580%     |
| 5      | 8.310    | 847        | 854      | 860       | rBV   | 616009      | 1023823    | 7.70%        | 1.553%     |
| 6      | 8.634    | 897        | 909      | 922       | rBV   | 2886804     | 4623253    | 34.76%       | 7.012%     |
| 7      | 9.498    | 1048       | 1056     | 1076      | rBV   | 2289694     | 3851724    | 28.96%       | 5.842%     |
| 8      | 9.822    | 1104       | 1111     | 1117      | rBV   | 223929      | 323061     | 2.43%        | 0.490%     |
| 9      | 11.139   | 1326       | 1335     | 1349      | rBV   | 761682      | 1329654    | 10.00%       | 2.017%     |
| 10     | 13.557   | 1735       | 1746     | 1764      | rBV   | 6255990     | 8659186    | 65.10%       | 13.134%    |
| 11     | 14.374   | 1879       | 1885     | 1892      | rBV   | 961976      | 1299842    | 9.77%        | 1.972%     |
| 12     | 14.927   | 1973       | 1979     | 1990      | rVB2  | 1128318     | 1702511    | 12.80%       | 2.582%     |
| 13     | 16.410   | 2224       | 2231     | 2247      | rBV   | 5498734     | 7598159    | 57.12%       | 11.525%    |
| 14     | 17.657   | 2436       | 2443     | 2455      | rBV   | 1368603     | 2008025    | 15.10%       | 3.046%     |
| 15     | 18.498   | 2580       | 2586     | 2595      | rBV   | 684092      | 910658     | 6.85%        | 1.381%     |
| 16     | 19.745   | 2793       | 2798     | 2811      | rBV   | 338763      | 505506     | 3.80%        | 0.767%     |
| 17     | 20.221   | 2872       | 2879     | 2884      | rBV   | 11218775    | 13301820   | 100.00%      | 20.176%    |
| 18     | 20.480   | 2916       | 2923     | 2928      | rBV   | 125789      | 170177     | 1.28%        | 0.258%     |
| 19     | 20.968   | 3002       | 3006     | 3010      | rBV2  | 211807      | 251321     | 1.89%        | 0.381%     |
| 20     | 21.421   | 3079       | 3083     | 3096      | rBV   | 762118      | 1073789    | 8.07%        | 1.629%     |
| 21     | 21.762   | 3136       | 3141     | 3147      | rVB   | 1580491     | 1993507    | 14.99%       | 3.024%     |
| 22     | 21.856   | 3153       | 3157     | 3165      | rBV   | 335219      | 399885     | 3.01%        | 0.607%     |
| 23     | 22.315   | 3231       | 3235     | 3239      | rBV   | 286152      | 355112     | 2.67%        | 0.539%     |
| 24     | 22.803   | 3314       | 3318     | 3324      | rVB   | 274571      | 345748     | 2.60%        | 0.524%     |
| 25     | 23.345   | 3406       | 3410     | 3416      | rVB   | 227638      | 329651     | 2.48%        | 0.500%     |
| 26     | 23.950   | 3509       | 3513     | 3519      | rVB   | 186995      | 310938     | 2.34%        | 0.472%     |
| 27     | 24.168   | 3543       | 3550     | 3559      | rVB2  | 721816      | 1526937    | 11.48%       | 2.316%     |
| 28     | 24.644   | 3627       | 3631     | 3642      | rVB2  | 126210      | 256577     | 1.93%        | 0.389%     |

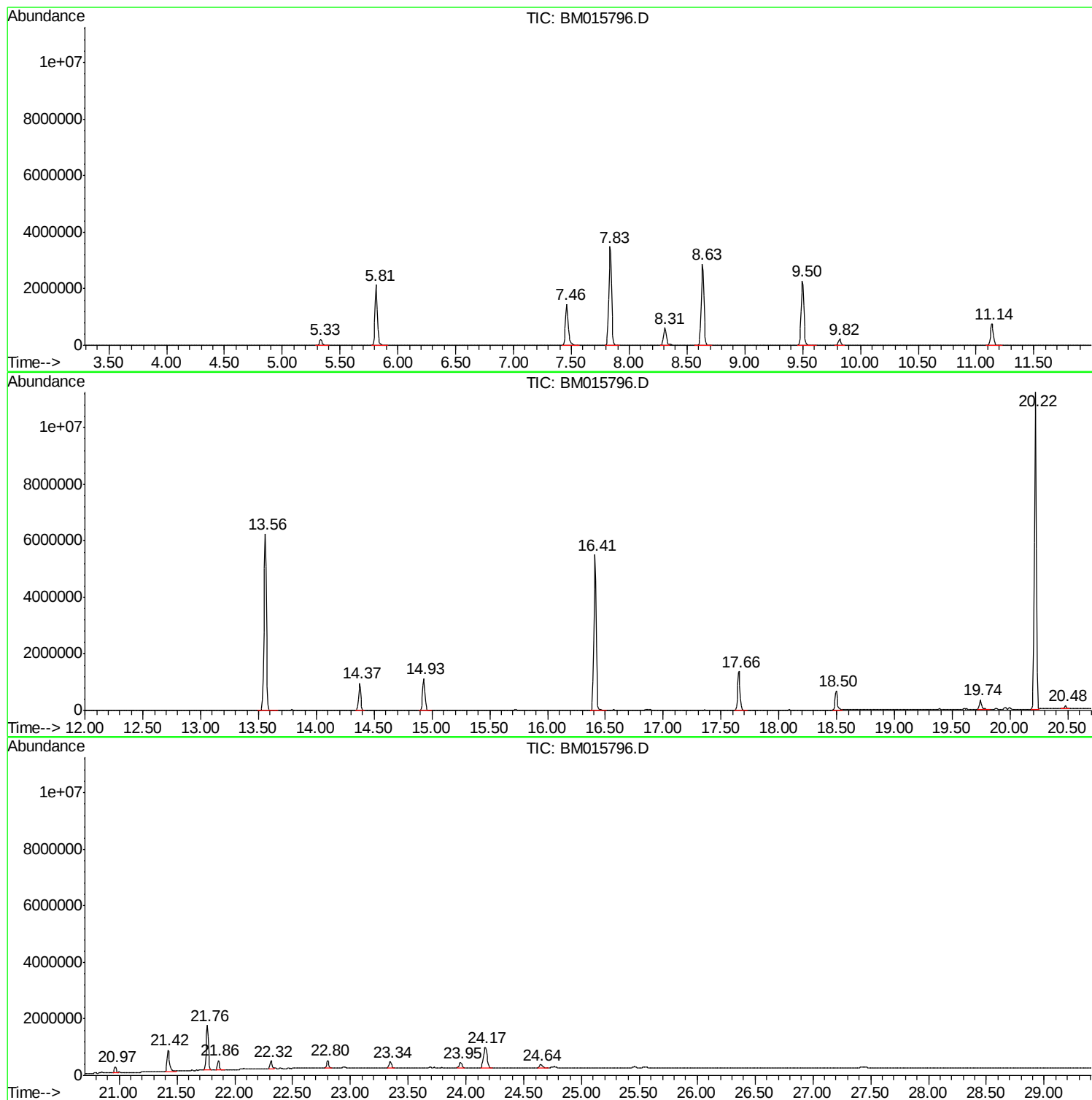
Sum of corrected areas: 65929727

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070518\  
Data File : BM015796.D  
Acq On : 06 Jul 2018 11:28  
Operator : SJ/JU  
Sample : J3869-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070518\  
Data File : BM015796.D  
Acq On : 06 Jul 2018 11:28  
Operator : SJ/JU  
Sample : J3869-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

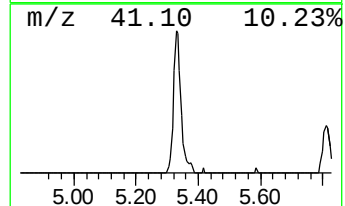
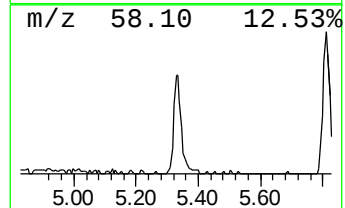
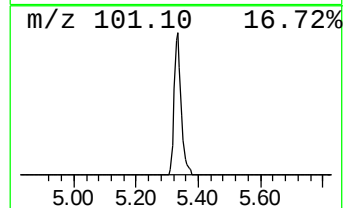
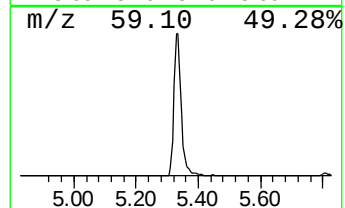
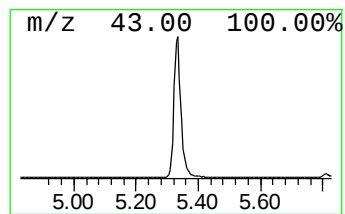
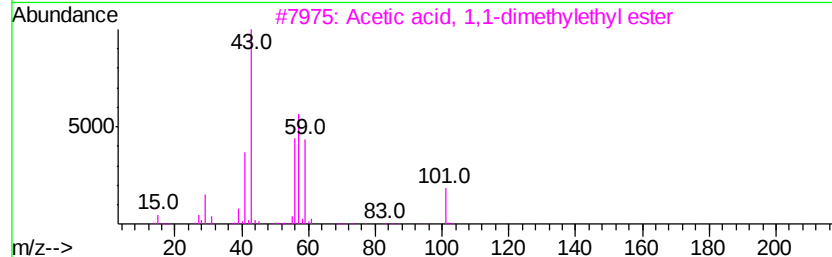
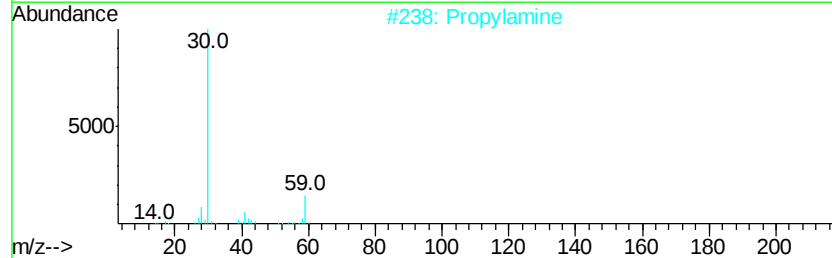
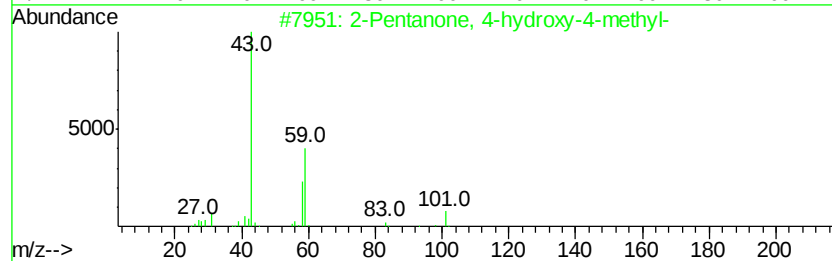
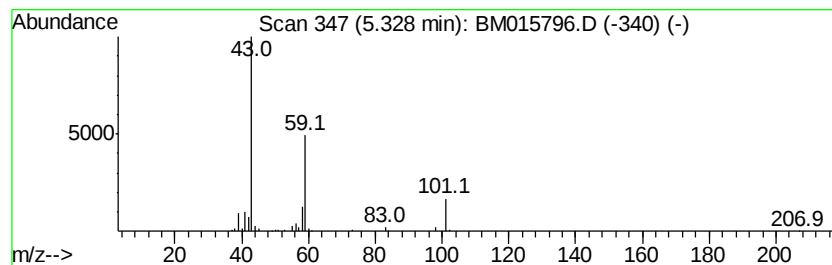
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.33 | 6.33 ng | 324150 | 1,4-Dichlorobenzene-d4 | 8.31 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 47   |
| 2    |    | Propylamine                         | 59  | C3H9N   | 000107-10-8 | 40   |
| 3    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38   |
| 4    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 27   |
| 5    |    | 1-Butene, 4-ethoxy-                 | 100 | C6H12O  | 044611-46-3 | 23   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070518\  
Data File : BM015796.D  
Acq On : 06 Jul 2018 11:28  
Operator : SJ/JU  
Sample : J3869-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

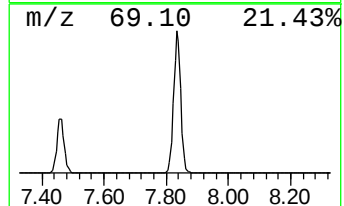
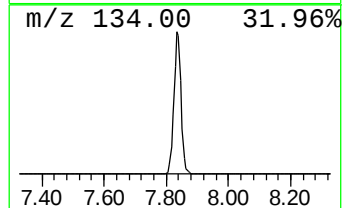
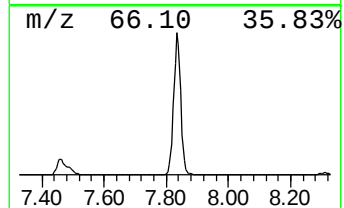
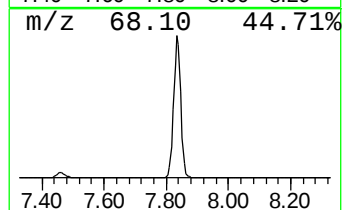
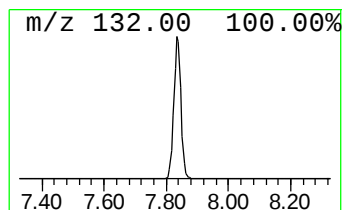
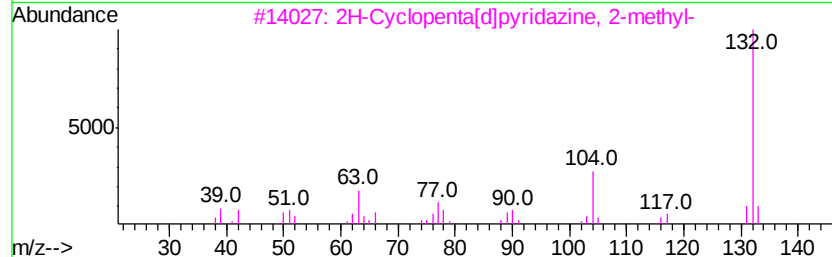
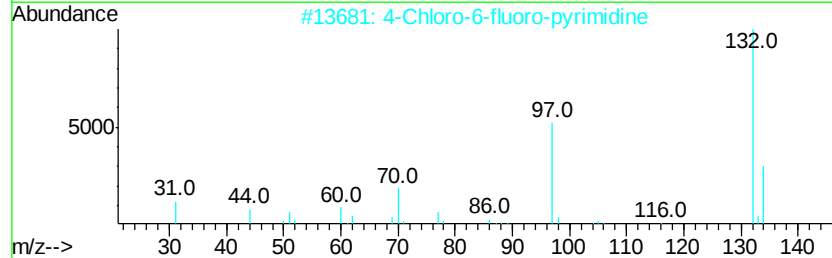
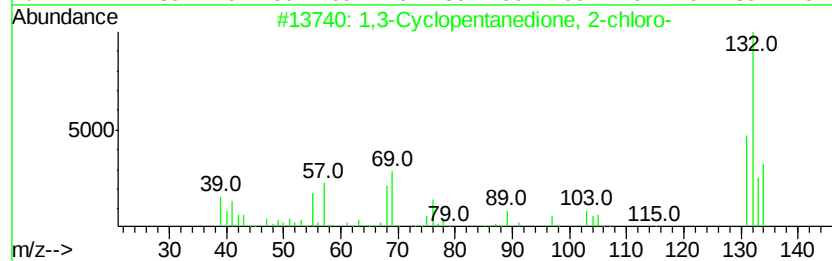
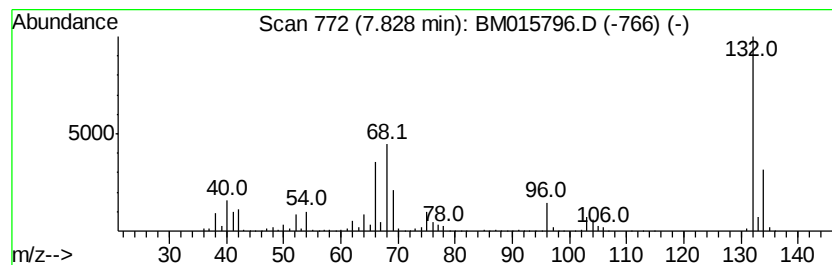
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown7.83 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.83 | 110.51 ng | 5656980 | 1,4-Dichlorobenzene-d4 | 8.31 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3-Cyclopentanedione, 2-chloro-    | 132 | C5H5ClO2  | 014203-19-1  | 35   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 3    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 27   |
| 4    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 22   |
| 5    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5  | 22   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070518\  
Data File : BM015796.D  
Acq On : 06 Jul 2018 11:28  
Operator : SJ/JU  
Sample : J3869-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

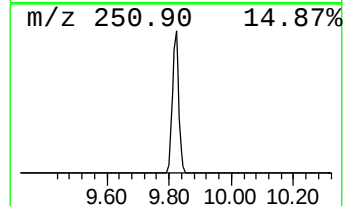
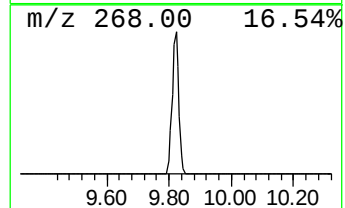
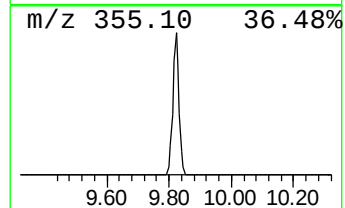
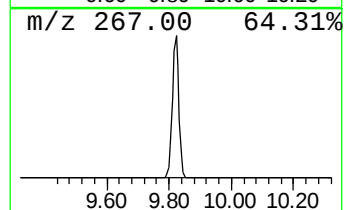
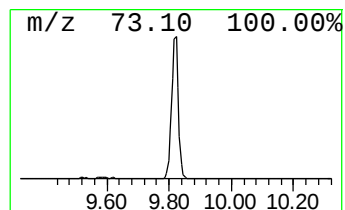
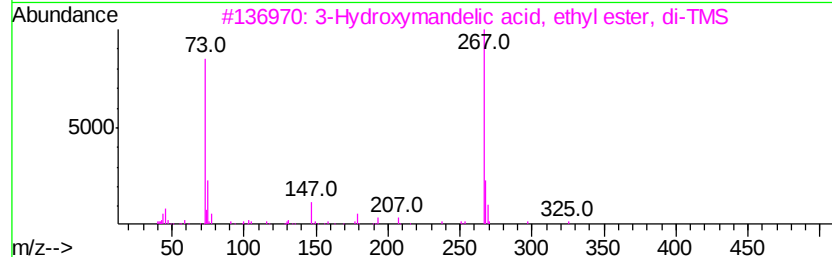
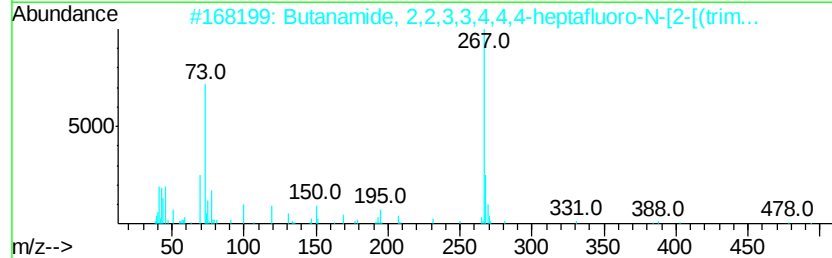
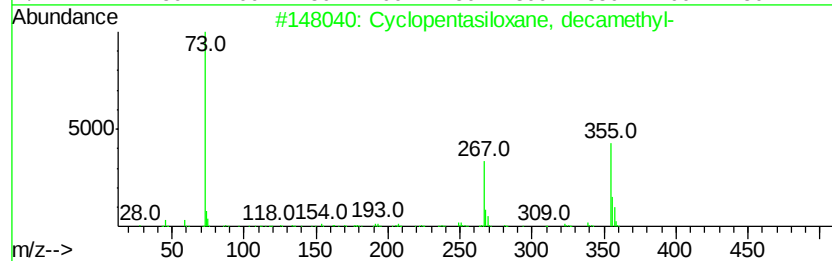
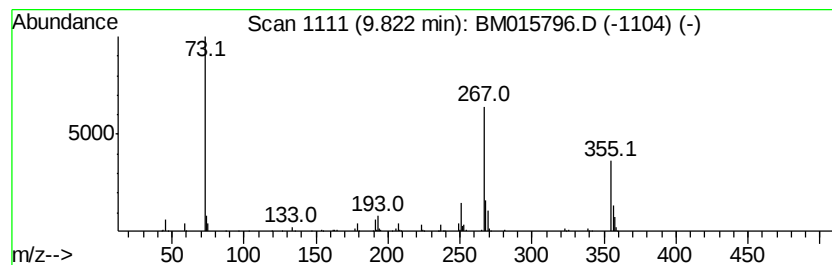
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Cyclopentasiloxane, decamet... Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD | R.T.  |
|------|---------|--------|------------------|-------|
| 9.82 | 4.86 ng | 323061 | Naphthalene-d8   | 11.14 |

| Hit# | of | Tentative ID                                                       | MW  | MolForm        | CAS#         | Qual |
|------|----|--------------------------------------------------------------------|-----|----------------|--------------|------|
| 1    | 5  | Cyclopentasiloxane, decamethyl-                                    | 370 | C10H30O5Si5    | 000541-02-6  | 52   |
| 2    |    | Butanamide, 2,2,3,3,4,4,4-heptafluoro-N-[2-(trimethylsilyl)ethyl]- | 493 | C18H26F7N03Si2 | 055471-01-7  | 47   |
| 3    |    | 3-Hydroxymandelic acid, ethyl ester, di-TMS                        | 340 | C16H28O4Si2    | 1000071-88-9 | 38   |
| 4    |    | Benzeneethanamine, N-[(pentafluorophenyl)methyl]-                  | 475 | C21H26F5N02Si2 | 055429-85-1  | 38   |
| 5    |    | 4-Hydroxymandelic acid, ethyl ester, di-TMS                        | 340 | C16H28O4Si2    | 1000071-53-3 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070518\  
Data File : BM015796.D  
Acq On : 06 Jul 2018 11:28  
Operator : SJ/JU  
Sample : J3869-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

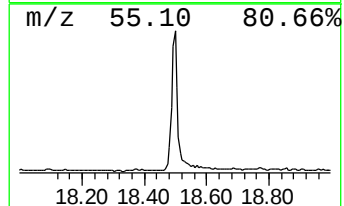
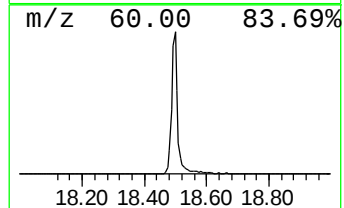
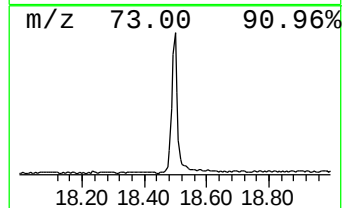
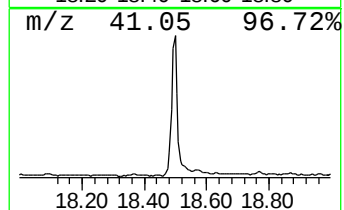
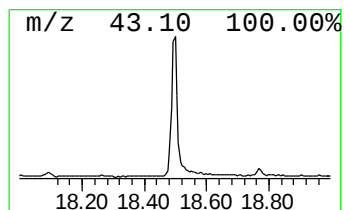
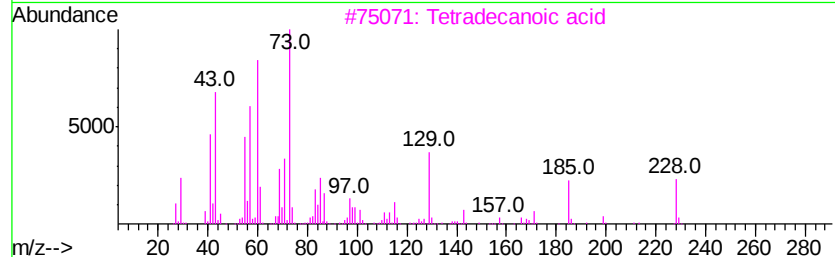
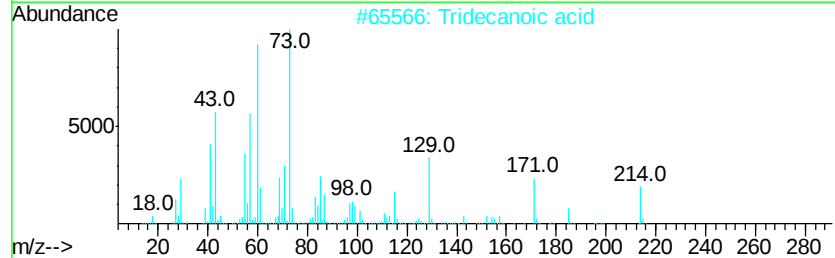
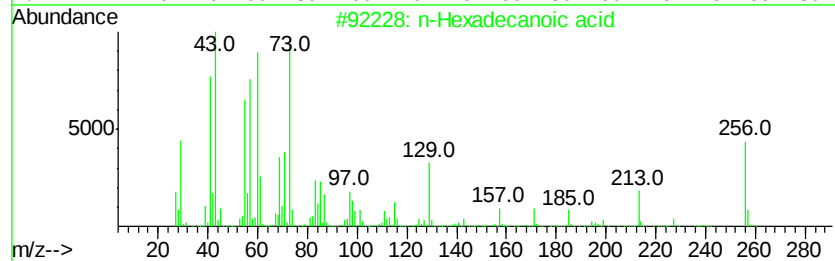
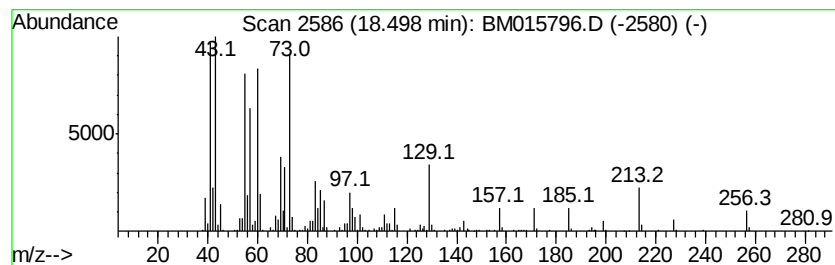
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.50 | 9.07 ng | 910658 | Phenanthrene-d10 | 17.66 |

| Hit# of 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|-----------|---------------------|-----|----------|-------------|------|
| 1         | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97   |
| 2         | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 89   |
| 3         | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 64   |
| 4         | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 58   |
| 5         | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070518\  
Data File : BM015796.D  
Acq On : 06 Jul 2018 11:28  
Operator : SJ/JU  
Sample : J3869-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

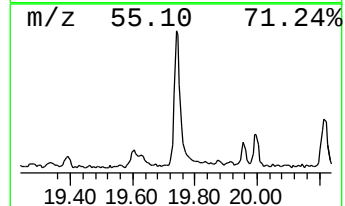
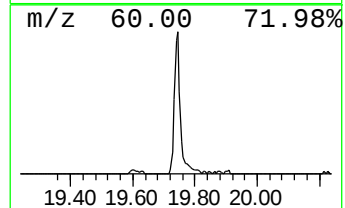
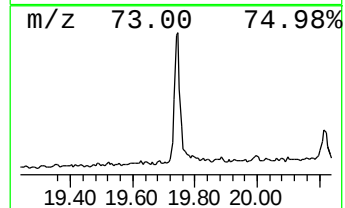
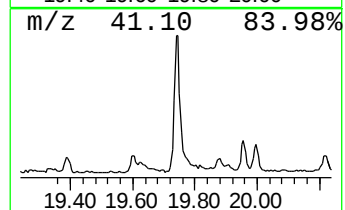
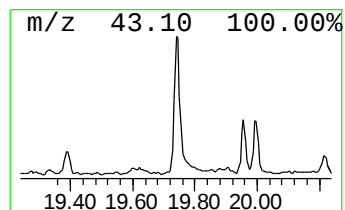
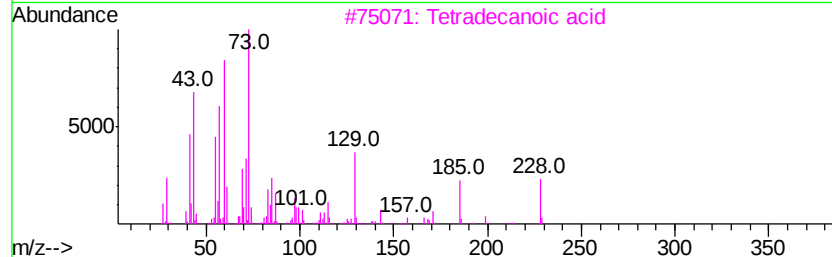
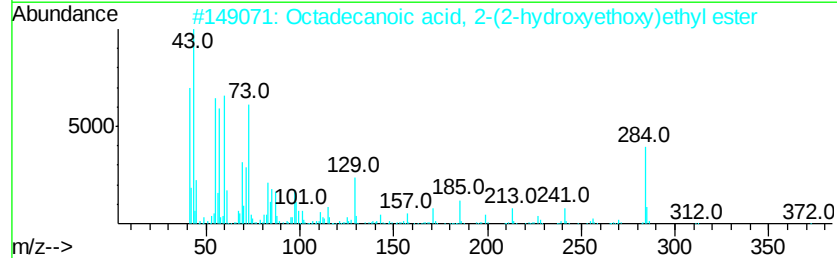
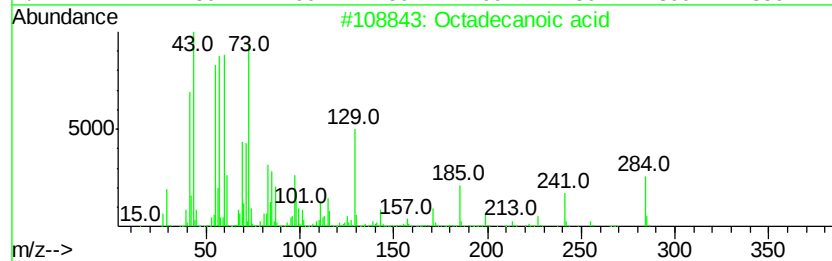
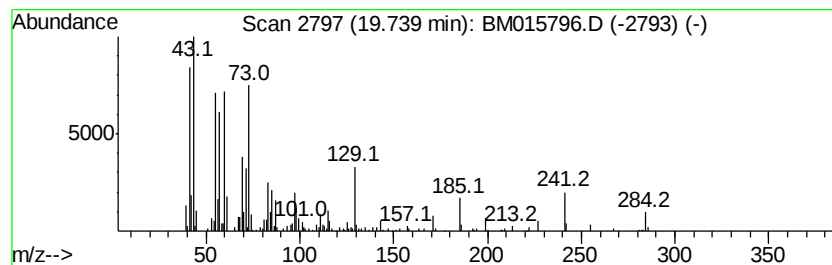
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Octadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.74 | 5.07 ng | 505506 | Chrysene-d12     | 21.76 |

| Hit# of | 5                                    | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|--------------------------------------|--------------|----------|-------------|------|------|
| 1       | Octadecanoic acid                    | 284          | C18H36O2 | 000057-11-4 | 99   |      |
| 2       | Octadecanoic acid, 2-(2-hydroxyve... | 372          | C22H44O4 | 000106-11-6 | 80   |      |
| 3       | Tetradecanoic acid                   | 228          | C14H28O2 | 000544-63-8 | 74   |      |
| 4       | Tridecanoic acid                     | 214          | C13H26O2 | 000638-53-9 | 53   |      |
| 5       | n-Hexadecanoic acid                  | 256          | C16H32O2 | 000057-10-3 | 53   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070518\  
Data File : BM015796.D  
Acq On : 06 Jul 2018 11:28  
Operator : SJ/JU  
Sample : J3869-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

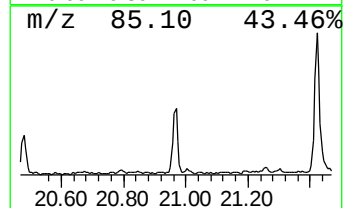
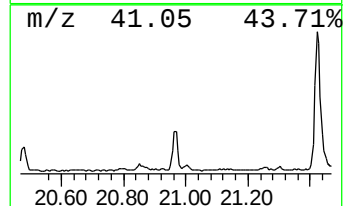
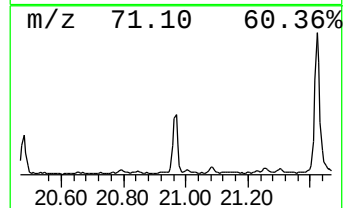
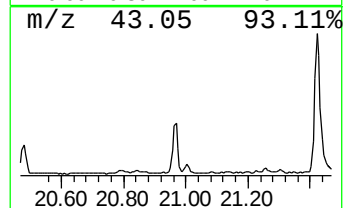
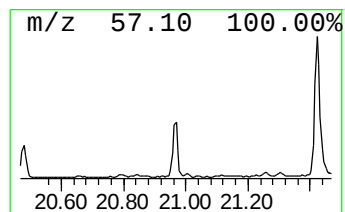
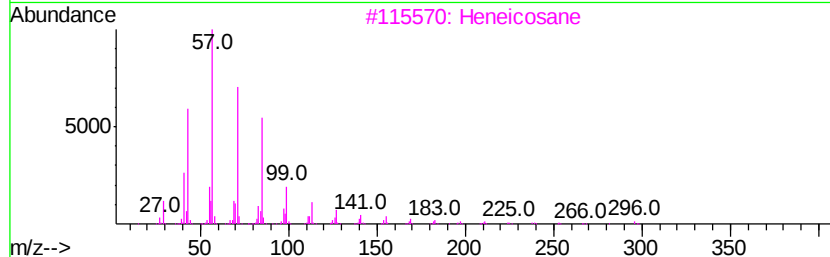
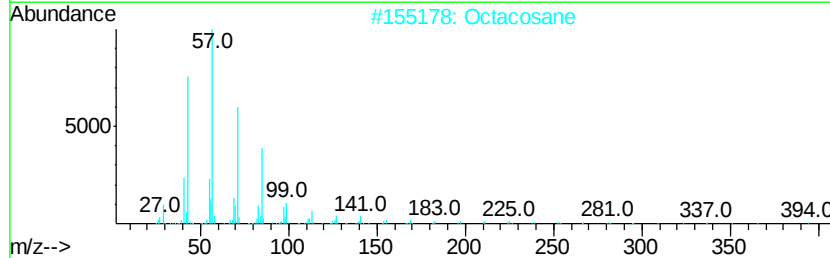
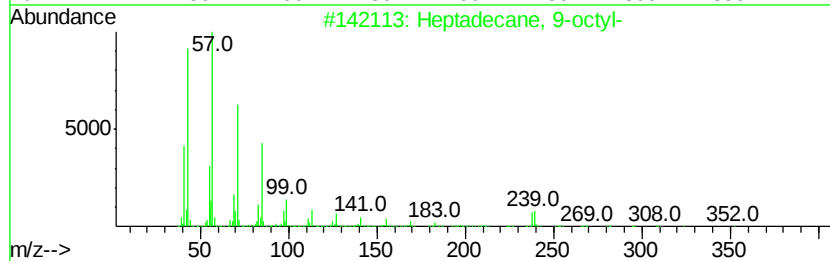
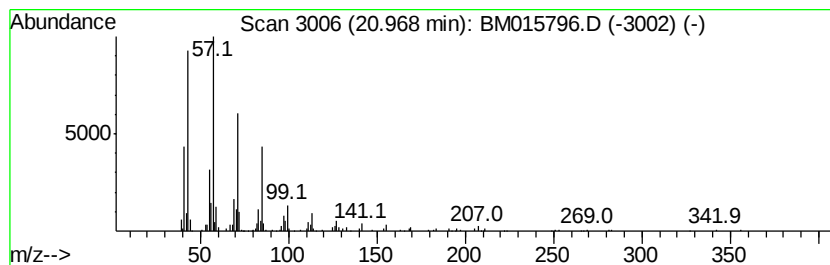
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Heptadecane, 9-octyl- Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.97 | 2.52 ng | 251321 | Chrysene-d12     | 21.76 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 87   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 87   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 87   |
| 4    |    | Eicosane              | 282 | C20H42  | 000112-95-8 | 87   |
| 5    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070518\  
Data File : BM015796.D  
Acq On : 06 Jul 2018 11:28  
Operator : SJ/JU  
Sample : J3869-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

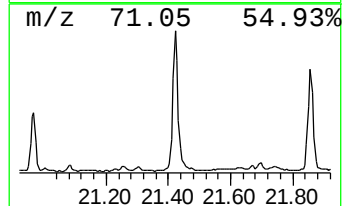
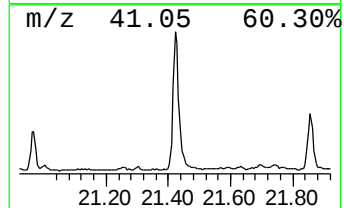
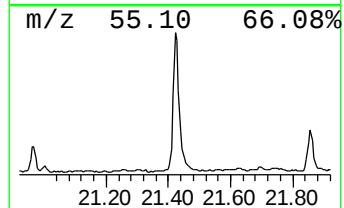
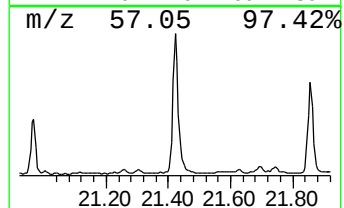
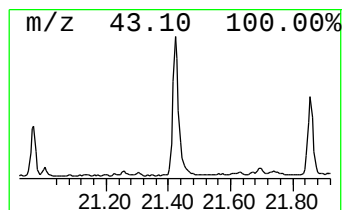
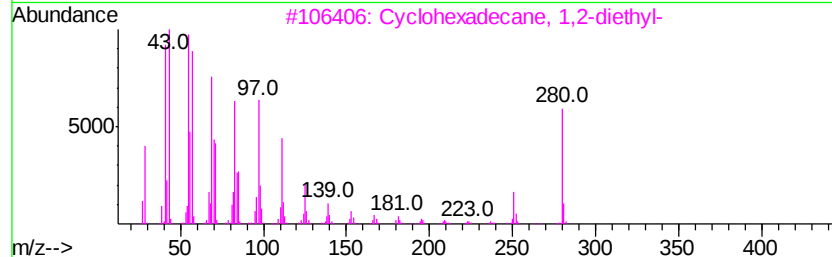
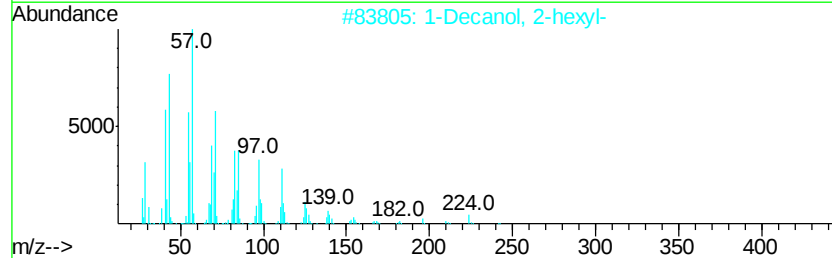
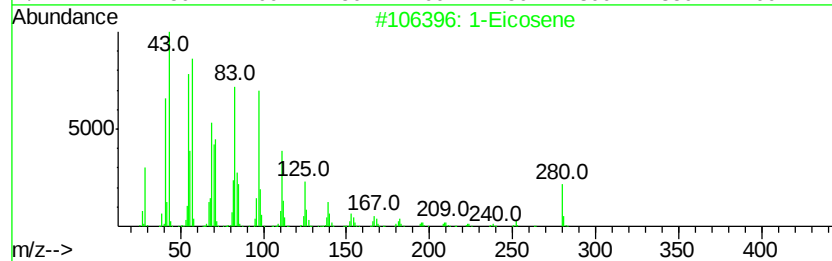
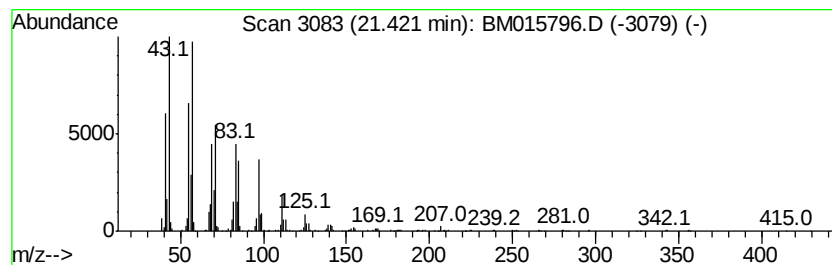
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 1-Eicosene Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 21.42 | 10.77 ng | 1073790 | Chrysene-d12     | 21.76 |

| Hit# of | 5                                     | Tentative ID | MW  | MolForm    | CAS#         | Qual |
|---------|---------------------------------------|--------------|-----|------------|--------------|------|
| 1       | 1-Eicosene                            |              | 280 | C20H40     | 003452-07-1  | 93   |
| 2       | 1-Decanol, 2-hexyl-                   |              | 242 | C16H34O    | 002425-77-6  | 87   |
| 3       | Cyclohexadecane, 1,2-diethyl-         |              | 280 | C20H40     | 1000155-85-3 | 83   |
| 4       | Pentafluoropropionic acid, octadecyl- |              | 416 | C21H37F5O2 | 1000280-07-7 | 81   |
| 5       | Trifluoroacetic acid, n-octadecyl-    |              | 366 | C20H37F3O2 | 079392-43-1  | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070518\  
Data File : BM015796.D  
Acq On : 06 Jul 2018 11:28  
Operator : SJ/JU  
Sample : J3869-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

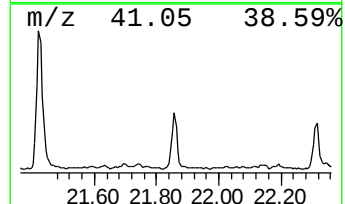
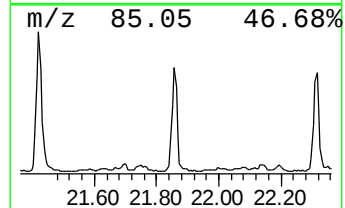
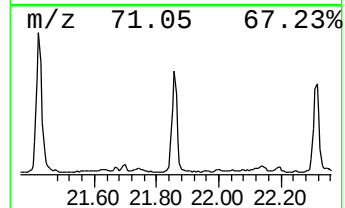
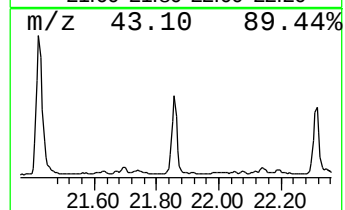
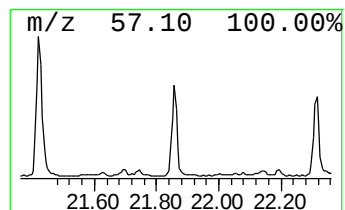
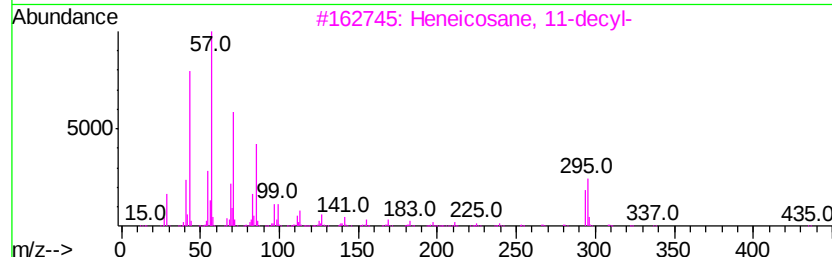
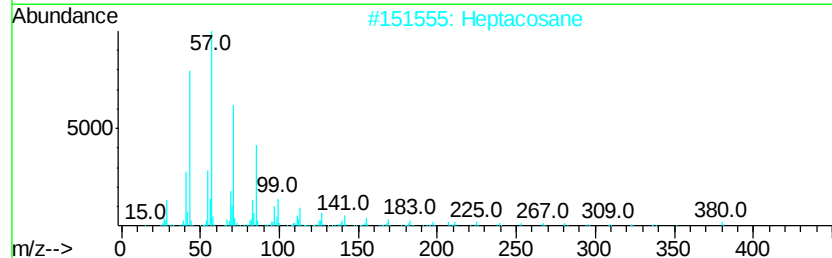
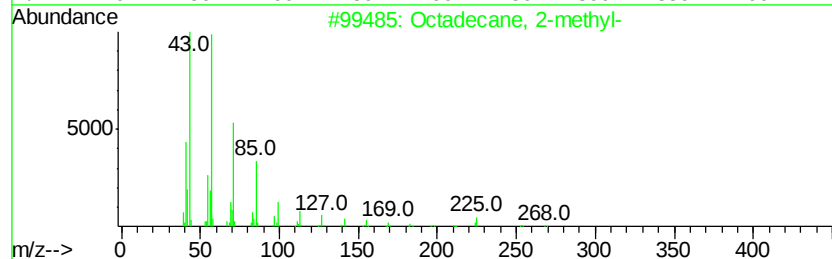
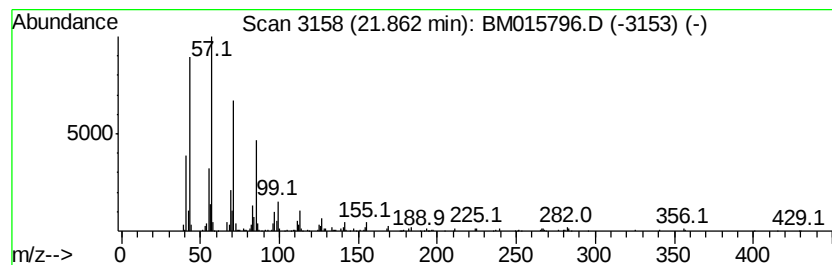
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Octadecane, 2-methyl- Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.86 | 4.01 ng | 399885 | Chrysene-d12     | 21.76 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Octadecane, 2-methyl-  | 268 | C19H40  | 001560-88-9 | 93   |
| 2    |    |   | Heptacosane            | 380 | C27H56  | 000593-49-7 | 91   |
| 3    |    |   | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 90   |
| 4    |    |   | Octacosane             | 394 | C28H58  | 000630-02-4 | 90   |
| 5    |    |   | Tetracosane            | 338 | C24H50  | 000646-31-1 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM070518\  
Data File : BM015796.D  
Acq On : 06 Jul 2018 11:28  
Operator : SJ/JU  
Sample : J3869-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.33  | 6.3     | ng    | 324150   | 1                     | 8.31  | 1023820 | 20.0 |
| unknown7.83          | 7.83  | 110.5   | ng    | 5656980  | 1                     | 8.31  | 1023820 | 20.0 |
| Cyclopentasiloxan... | 9.82  | 4.9     | ng    | 323061   | 2                     | 11.14 | 1329650 | 20.0 |
| n-Hexadecanoic acid  | 18.50 | 9.1     | ng    | 910658   | 4                     | 17.66 | 2008030 | 20.0 |
| Octadecanoic acid    | 19.74 | 5.1     | ng    | 505506   | 5                     | 21.76 | 1993510 | 20.0 |
| Heptadecane, 9-oc... | 20.97 | 2.5     | ng    | 251321   | 5                     | 21.76 | 1993510 | 20.0 |
| 1-Eicosene           | 21.42 | 10.8    | ng    | 1073790  | 5                     | 21.76 | 1993510 | 20.0 |
| Octadecane, 2-met... | 21.86 | 4.0     | ng    | 399885   | 5                     | 21.76 | 1993510 | 20.0 |