

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF071218\  
 Data File : BF107350.D  
 Acq On : 12 Jul 2018 20:14  
 Operator : JU/SJ  
 Sample : J3926-01  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-BAG

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-BF061918.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         | 5.172       | 478           | 482         | 503          | rBV      | 163475         | 287758        | 15.63%          | 1.776%        |
| 2         | 5.578       | 547           | 551         | 568          | rBV      | 1509524        | 1634519       | 88.76%          | 10.089%       |
| 3         | 6.584       | 717           | 722         | 739          | rBV      | 1403266        | 1745167       | 94.77%          | 10.772%       |
| 4         | 6.713       | 739           | 744         | 747          | rBV      | 1552826        | 1582872       | 85.96%          | 9.770%        |
| 5         | 6.931       | 777           | 781         | 787          | rBV      | 473049         | 402091        | 21.84%          | 2.482%        |
| 6         | 7.090       | 803           | 808         | 811          | rBV      | 1317106        | 1317799       | 71.56%          | 8.134%        |
| 7         | 7.501       | 873           | 878         | 881          | rBV      | 1027266        | 1050523       | 57.05%          | 6.484%        |
| 8         | 8.213       | 995           | 999         | 1019         | rBB      | 522675         | 481708        | 26.16%          | 2.973%        |
| 9         | 9.289       | 1177          | 1182        | 1185         | rBV      | 1760534        | 1783687       | 96.87%          | 11.009%       |
| 10        | 9.683       | 1245          | 1249        | 1262         | rBV      | 360144         | 320975        | 17.43%          | 1.981%        |
| 11        | 9.978       | 1295          | 1299        | 1309         | rVB      | 541439         | 477016        | 25.91%          | 2.944%        |
| 12        | 10.778      | 1431          | 1435        | 1446         | rBV      | 1012159        | 1015793       | 55.16%          | 6.270%        |
| 13        | 11.477      | 1550          | 1554        | 1560         | rBV      | 519045         | 467317        | 25.38%          | 2.884%        |
| 14        | 13.066      | 1819          | 1824        | 1827         | rBV      | 1753751        | 1841404       | 100.00%         | 11.366%       |
| 15        | 13.260      | 1853          | 1857        | 1862         | rVB      | 30010          | 25423         | 1.38%           | 0.157%        |
| 16        | 13.601      | 1912          | 1915        | 1918         | rBV      | 42658          | 39147         | 2.13%           | 0.242%        |
| 17        | 13.936      | 1968          | 1972        | 1986         | rBV      | 152520         | 227671        | 12.36%          | 1.405%        |
| 18        | 14.136      | 2002          | 2006        | 2009         | rBV      | 550793         | 531380        | 28.86%          | 3.280%        |
| 19        | 14.248      | 2022          | 2025        | 2028         | rBV      | 59431          | 58677         | 3.19%           | 0.362%        |
| 20        | 14.560      | 2075          | 2078        | 2081         | rBV      | 75637          | 82705         | 4.49%           | 0.510%        |
| 21        | 14.871      | 2128          | 2131        | 2135         | rBV      | 72859          | 74561         | 4.05%           | 0.460%        |
| 22        | 14.954      | 2141          | 2145        | 2149         | rVB      | 96010          | 107006        | 5.81%           | 0.660%        |
| 23        | 15.224      | 2187          | 2191        | 2194         | rBV      | 63175          | 70354         | 3.82%           | 0.434%        |
| 24        | 15.618      | 2254          | 2258        | 2262         | rBV      | 61168          | 80536         | 4.37%           | 0.497%        |
| 25        | 15.671      | 2262          | 2267        | 2276         | rVB      | 281274         | 381557        | 20.72%          | 2.355%        |
| 26        | 16.077      | 2331          | 2336        | 2341         | rBV      | 47267          | 72938         | 3.96%           | 0.450%        |
| 27        | 16.607      | 2422          | 2426        | 2431         | rBV2     | 26842          | 40844         | 2.22%           | 0.252%        |

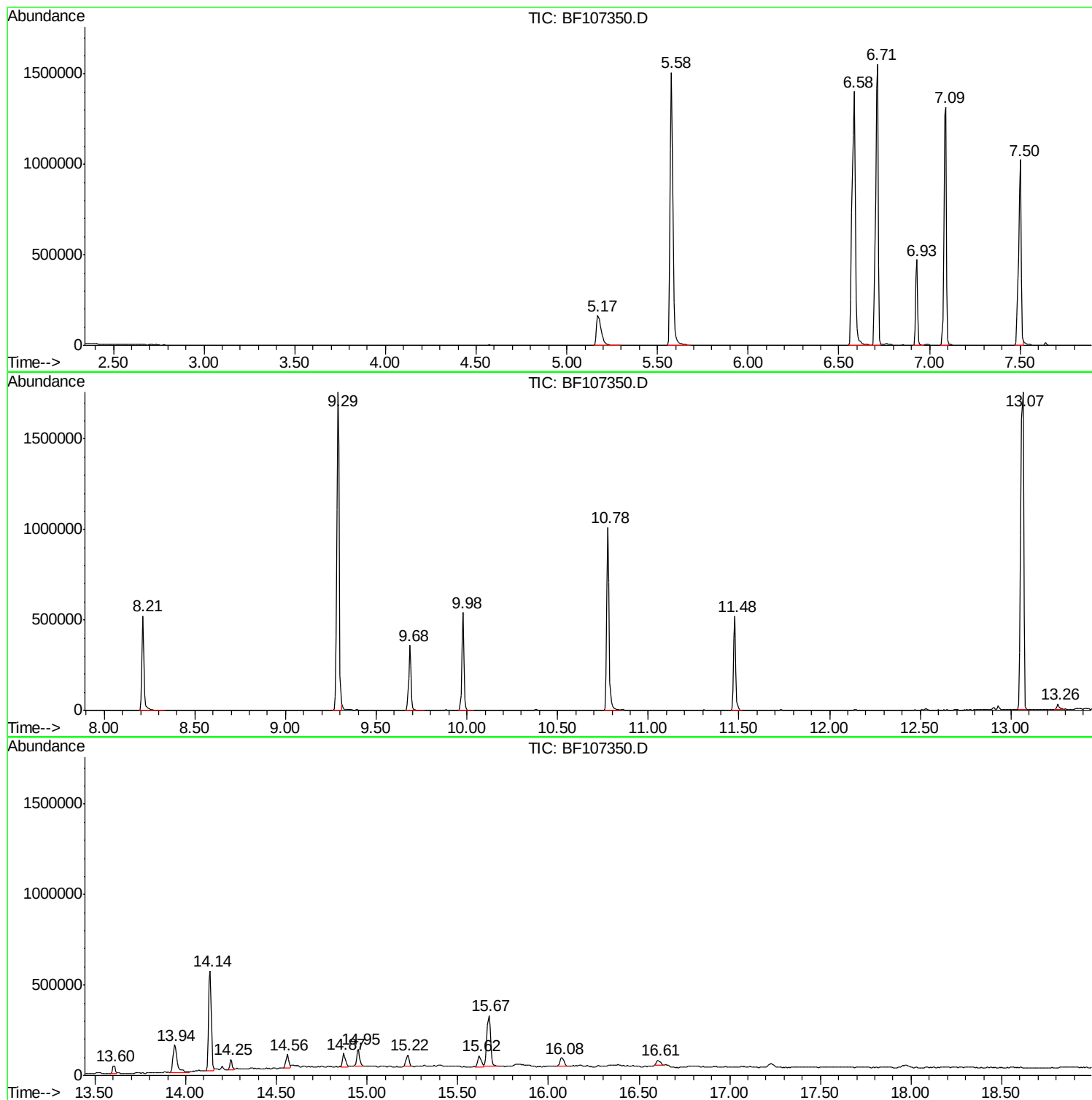
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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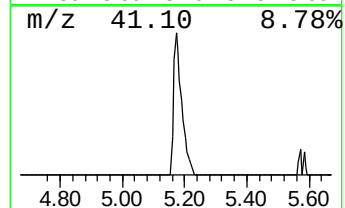
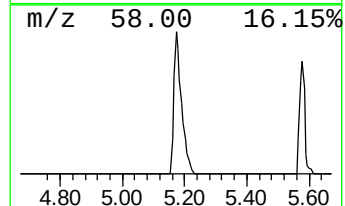
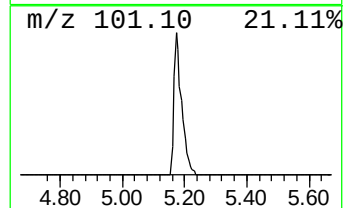
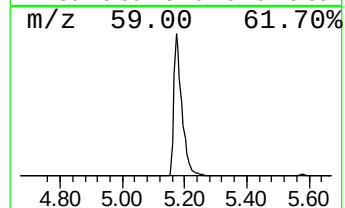
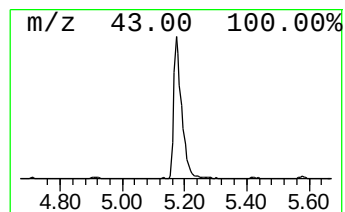
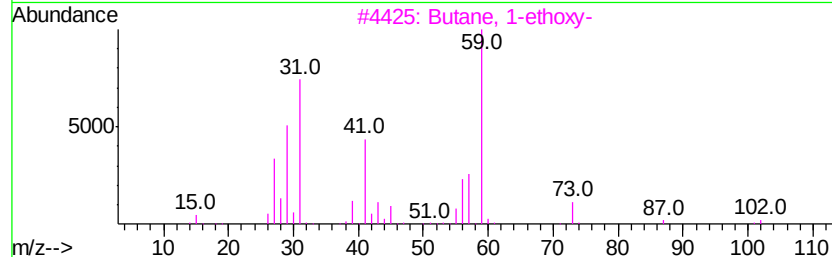
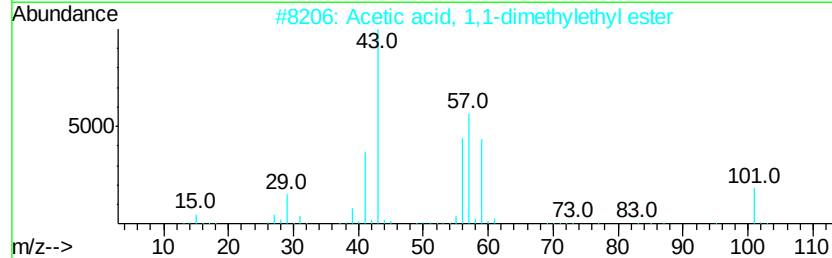
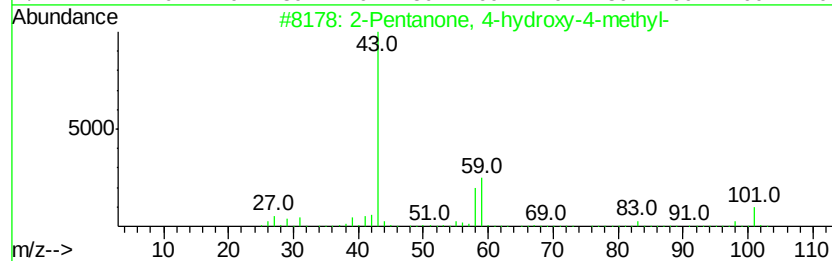
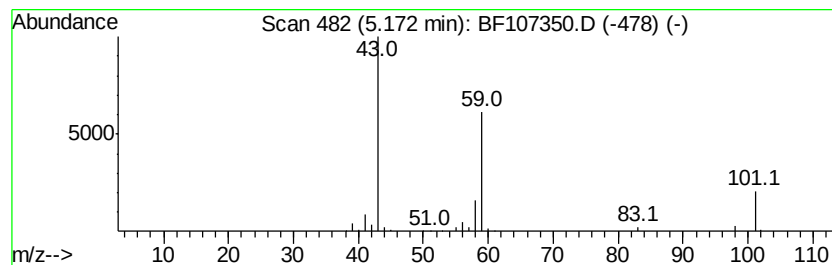
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.17 | 14.31 ng | 287758 | 1,4-Dichlorobenzene-d4 | 6.93 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39   |
| 3    |    | Butane, 1-ethoxy-                   | 102 | C6H14O  | 000628-81-9 | 9    |
| 4    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 5    |    | Morpholine, 4-methyl-               | 101 | C5H11NO | 000109-02-4 | 9    |



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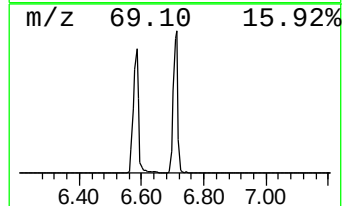
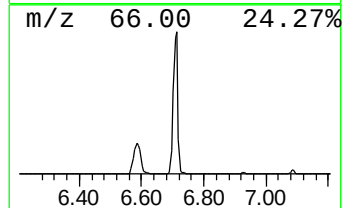
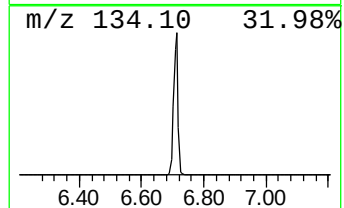
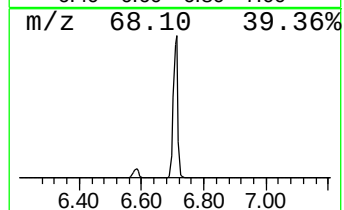
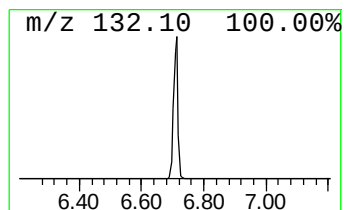
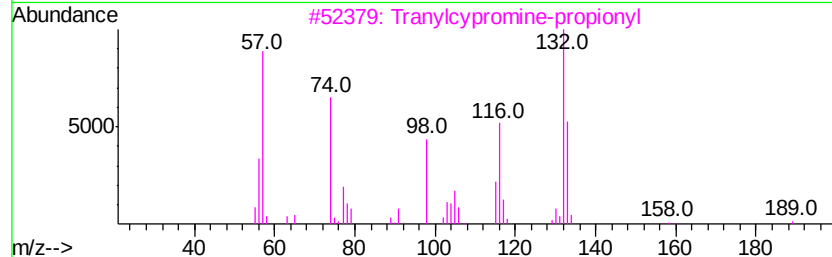
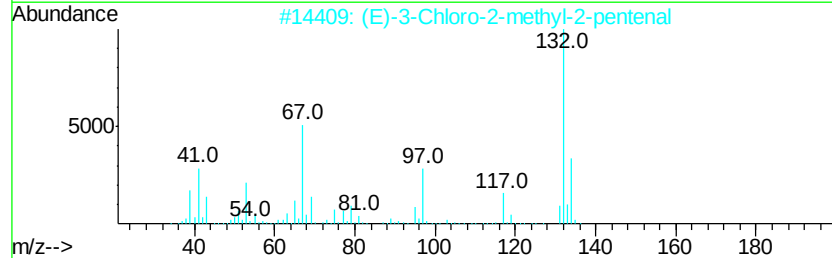
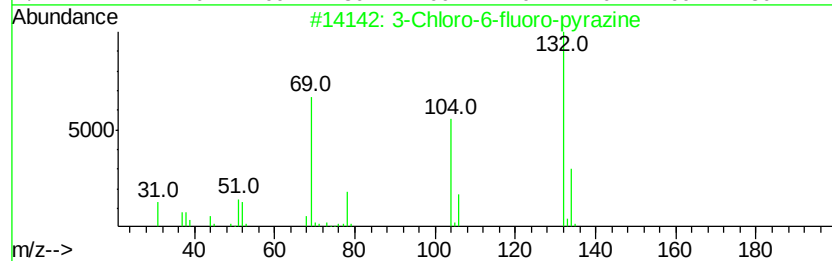
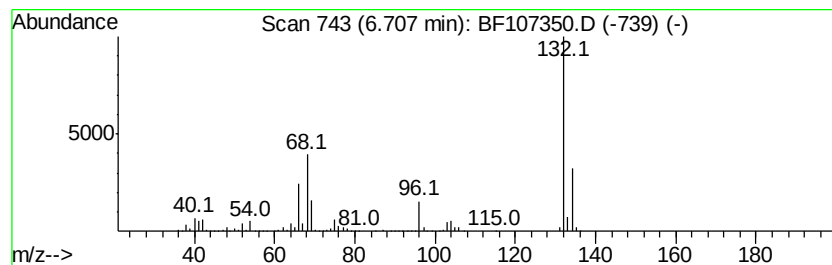
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 2 unknown6.71 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.71 | 78.73 ng | 1582870 | 1,4-Dichlorobenzene-d4 | 6.93 |

| 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  | 17   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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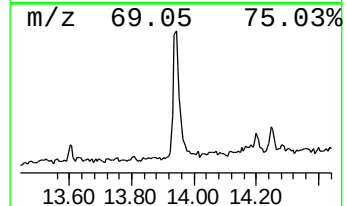
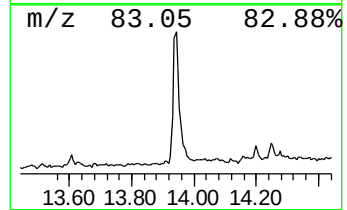
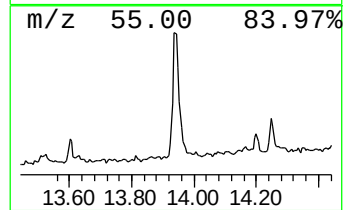
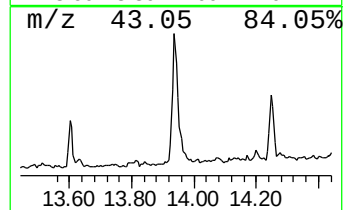
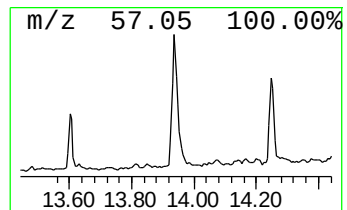
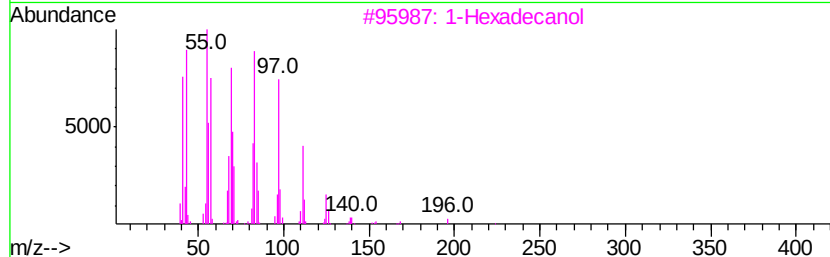
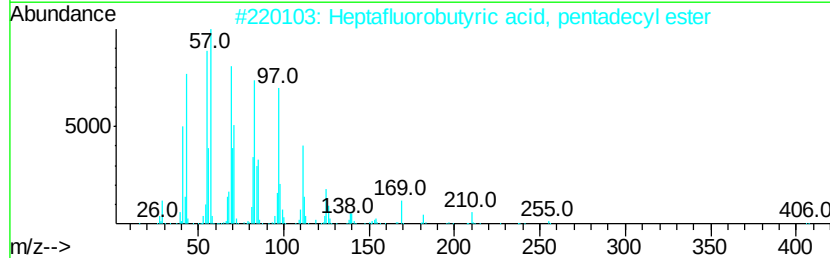
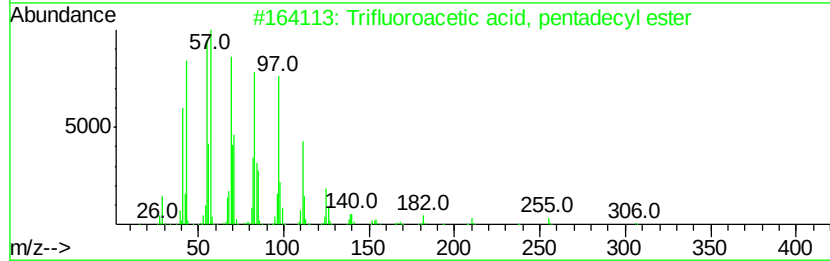
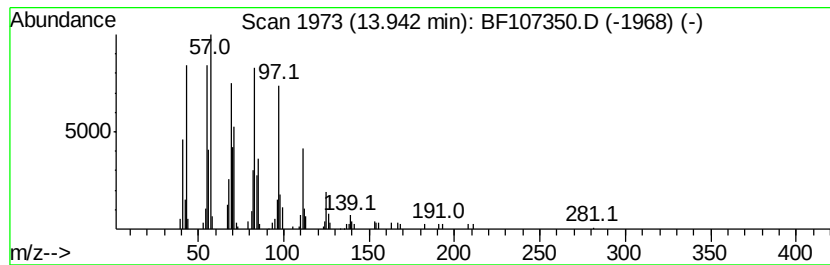
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Trifluoroacetic acid, penta... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.94 | 8.57 ng | 227671 | Chrysene-d12     | 14.14 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------|-----|------------|-------------|------|
| 1       |   | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 76   |
| 2       |   | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 76   |
| 3       |   | 1-Hexadecanol                       | 242 | C16H34O    | 036653-82-4 | 70   |
| 4       |   | n-Heptadecanol-1                    | 256 | C17H36O    | 001454-85-9 | 70   |
| 5       |   | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 68   |



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TRAP-BAG

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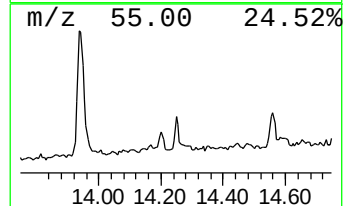
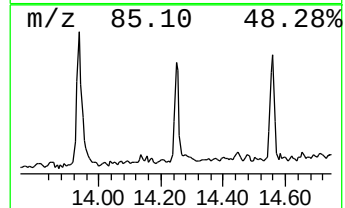
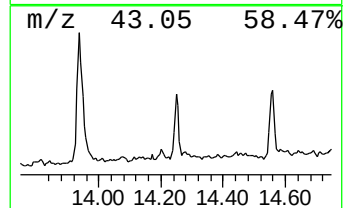
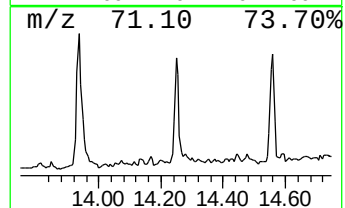
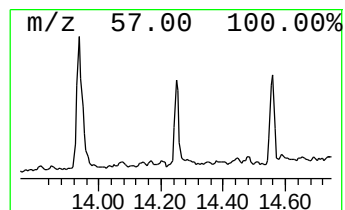
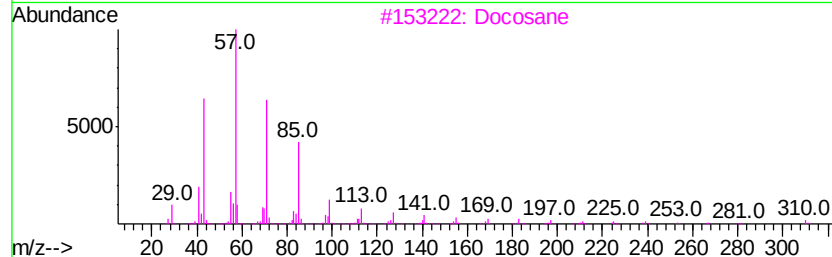
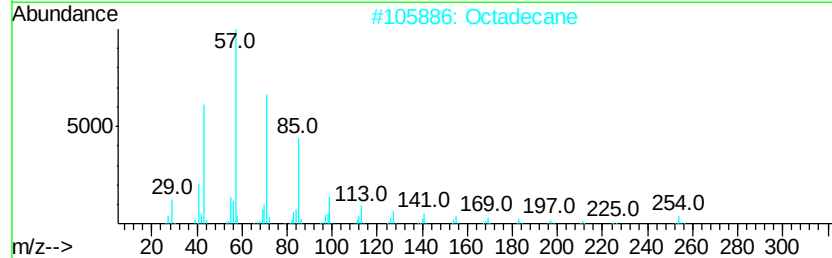
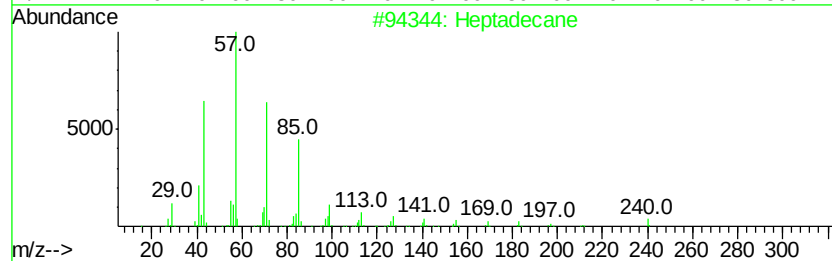
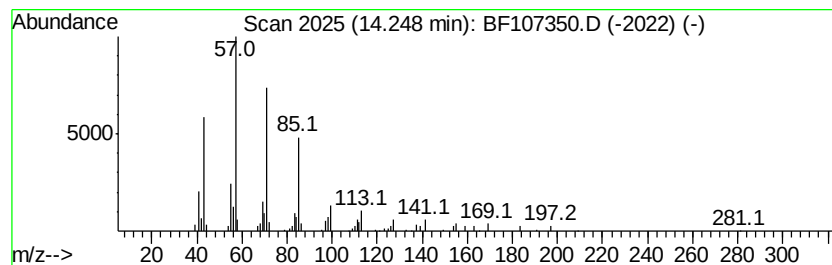
TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 5 Heptadecane Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.25 | 2.21 ng | 58677 | Chrysene-d12     | 14.14 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Heptadecane |              | 240 | C17H36  | 000629-78-7 | 91   |
| 2       | Octadecane  |              | 254 | C18H38  | 000593-45-3 | 91   |
| 3       | Docosane    |              | 310 | C22H46  | 000629-97-0 | 91   |
| 4       | Octacosane  |              | 394 | C28H58  | 000630-02-4 | 91   |
| 5       | Nonadecane  |              | 268 | C19H40  | 000629-92-5 | 91   |



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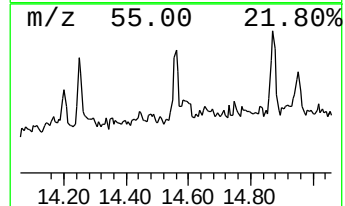
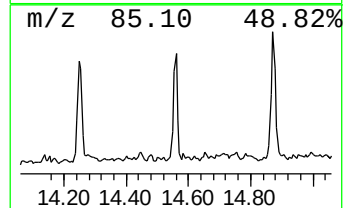
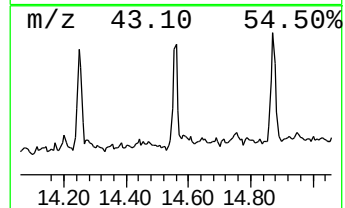
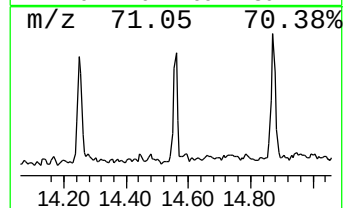
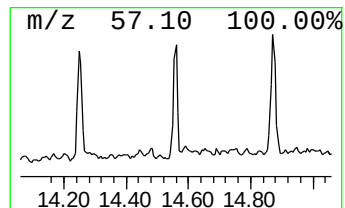
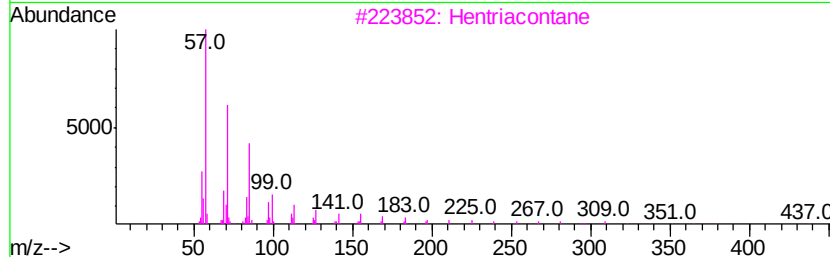
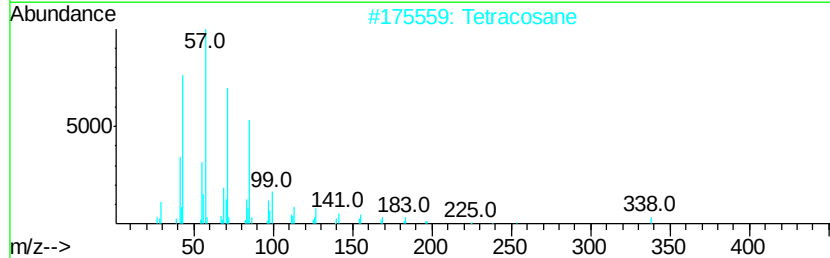
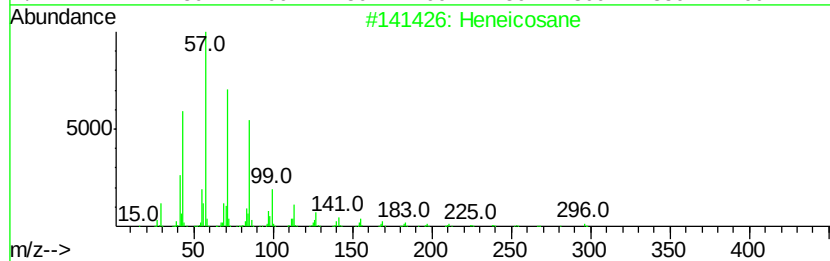
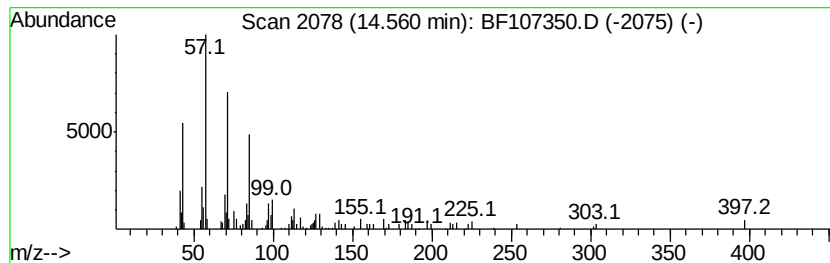
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Heneicosane Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.56 | 3.11 ng | 82705 | Chrysene-d12     | 14.14 |

| Hit# of | 5              | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------|--------------|-----|---------|-------------|------|
| 1       | Heneicosane    |              | 296 | C21H44  | 000629-94-7 | 90   |
| 2       | Tetracosane    |              | 338 | C24H50  | 000646-31-1 | 90   |
| 3       | Hentriacontane |              | 437 | C31H64  | 000630-04-6 | 90   |
| 4       | Hexacosane     |              | 366 | C26H54  | 000630-01-3 | 90   |
| 5       | Eicosane       |              | 282 | C20H42  | 000112-95-8 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\  
Data File : BF107350.D  
Acq On : 12 Jul 2018 20:14  
Operator : JU/SJ  
Sample : J3926-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-BAG

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

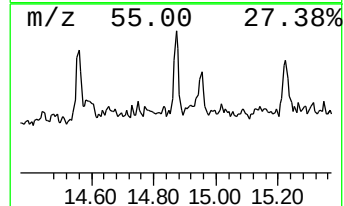
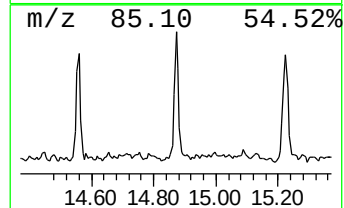
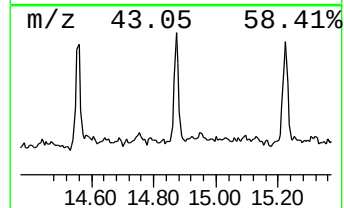
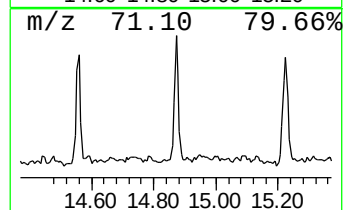
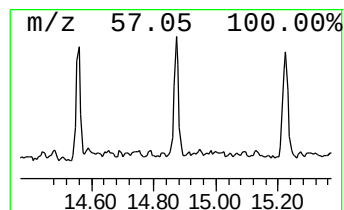
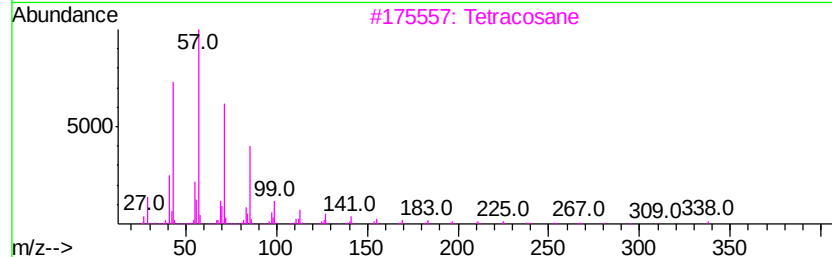
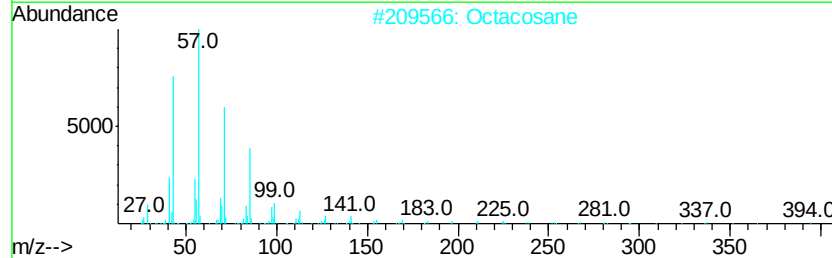
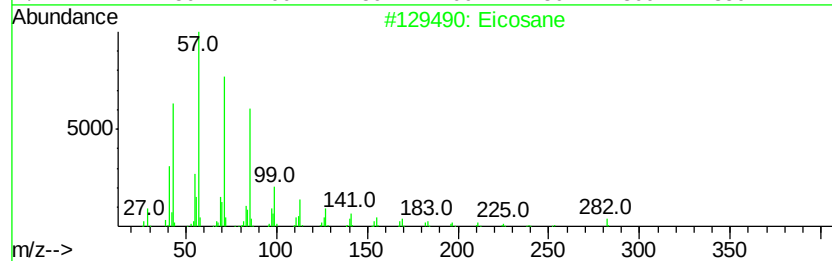
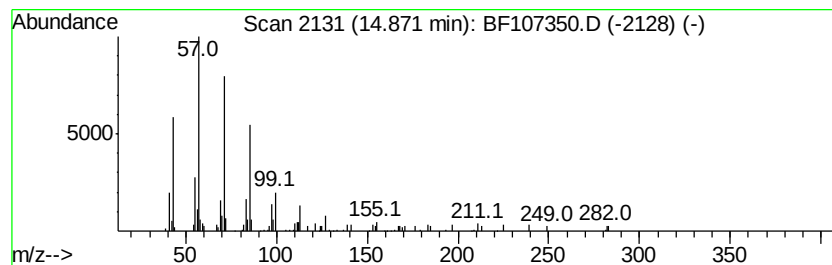
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Eicosane Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.87 | 2.81 ng | 74561 | Chrysene-d12     | 14.14 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------|-----|---------|--------------|------|
| 1    | 5  | Eicosane                      | 282 | C20H42  | 000112-95-8  | 93   |
| 2    |    | Octacosane                    | 394 | C28H58  | 000630-02-4  | 91   |
| 3    |    | Tetracosane                   | 338 | C24H50  | 000646-31-1  | 90   |
| 4    |    | triacontane                   | 422 | C30H62  | 000638-68-6  | 90   |
| 5    |    | Tridecanol, 2-ethyl-2-methyl- | 242 | C16H34O | 1000115-66-1 | 86   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\  
Data File : BF107350.D  
Acq On : 12 Jul 2018 20:14  
Operator : JU/SJ  
Sample : J3926-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-BAG

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

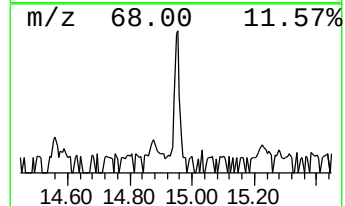
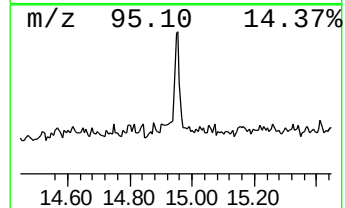
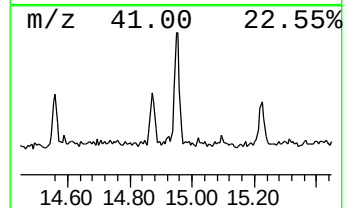
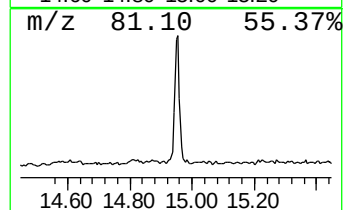
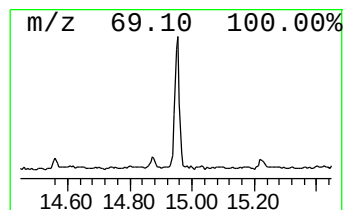
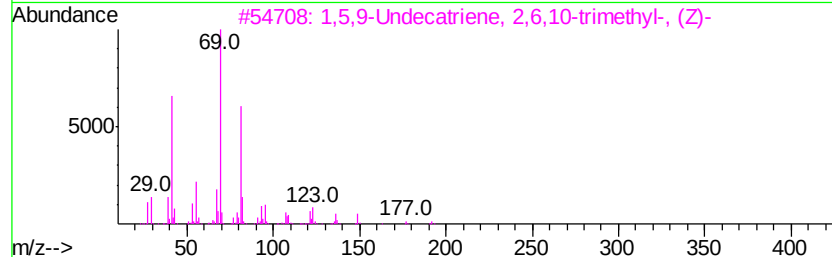
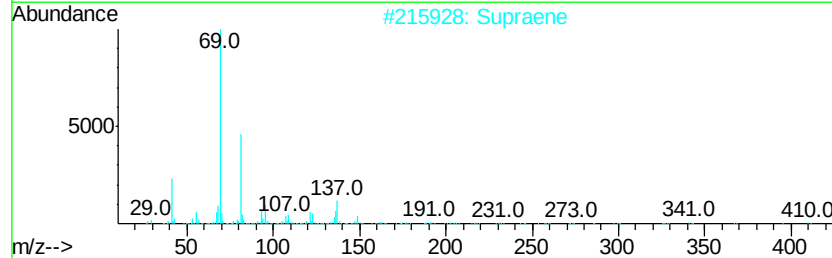
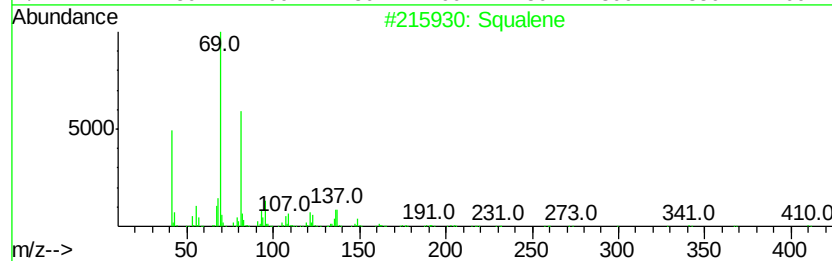
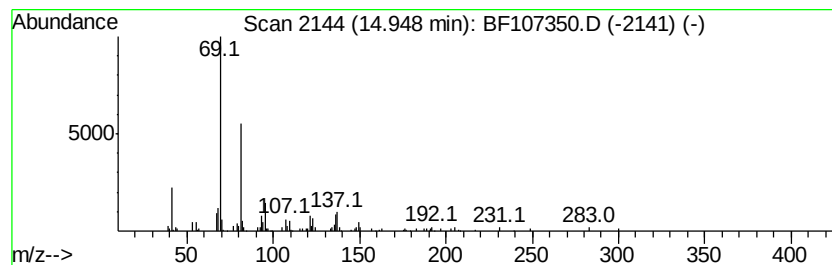
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Squalene Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.95 | 5.61 ng | 107006 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 000111-02-4 | 90   |
| 2    |    | Supraene                            | 410 | C30H50  | 007683-64-9 | 87   |
| 3    |    | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24  | 062951-96-6 | 81   |
| 4    |    | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O | 056882-09-8 | 78   |
| 5    |    | 1,5-Heptadiene, 3,3,6-trimethyl-    | 138 | C10H18  | 035387-63-4 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\  
Data File : BF107350.D  
Acq On : 12 Jul 2018 20:14  
Operator : JU/SJ  
Sample : J3926-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-BAG

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

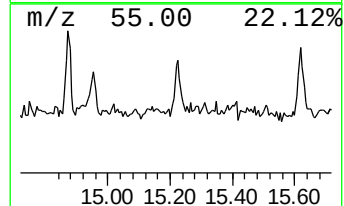
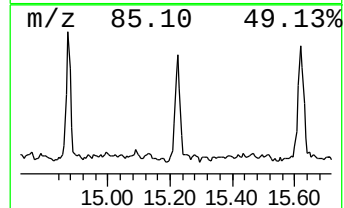
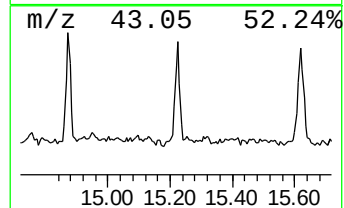
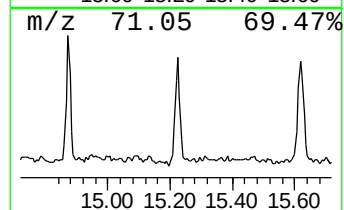
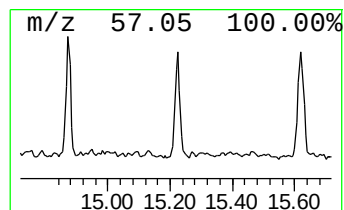
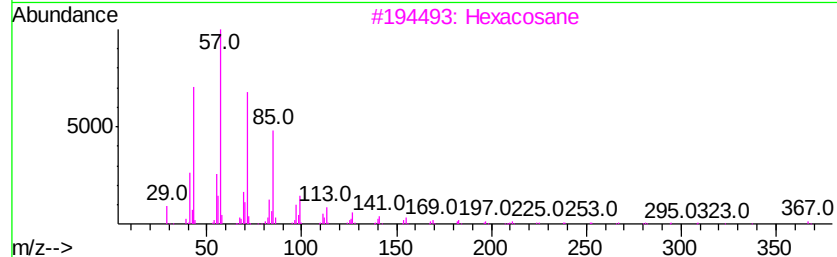
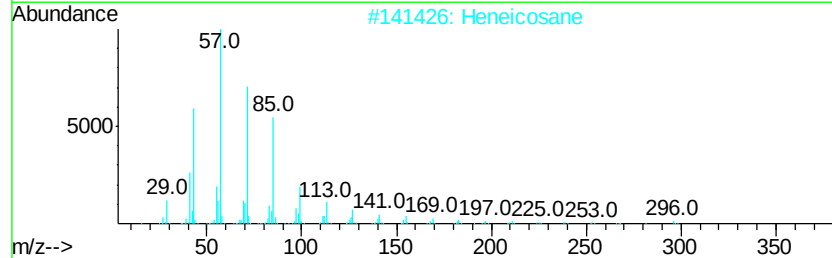
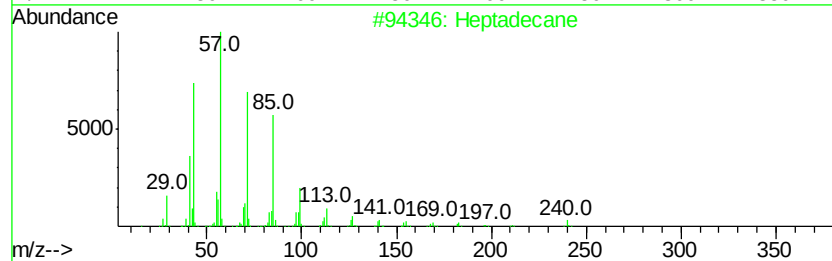
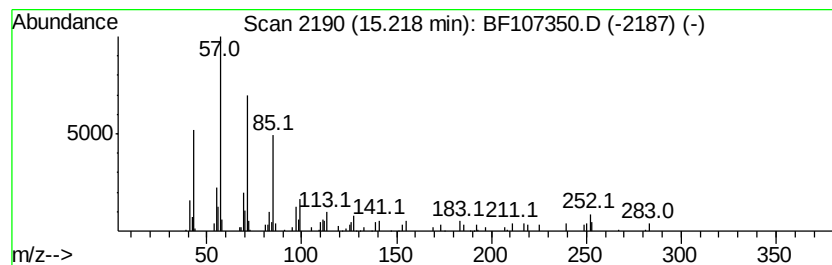
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Octacosane Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.22 | 3.69 ng | 70354 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane    | 240 | C17H36  | 000629-78-7 | 90   |
| 2    |    | Heneicosane    | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    | Hexacosane     | 366 | C26H54  | 000630-01-3 | 90   |
| 4    |    | Octacosane     | 394 | C28H58  | 000630-02-4 | 87   |
| 5    |    | Hentriacontane | 437 | C31H64  | 000630-04-6 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\  
Data File : BF107350.D  
Acq On : 12 Jul 2018 20:14  
Operator : JU/SJ  
Sample : J3926-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-BAG

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

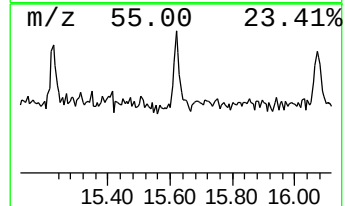
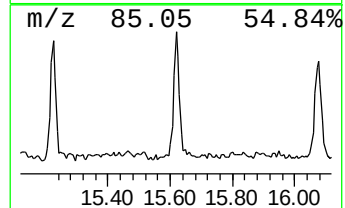
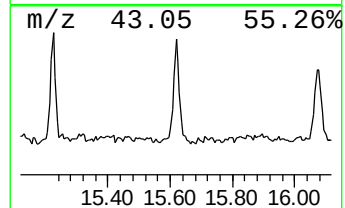
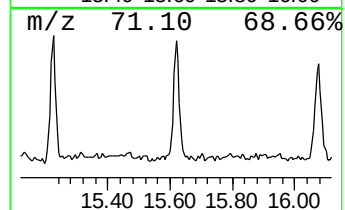
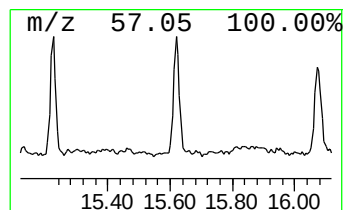
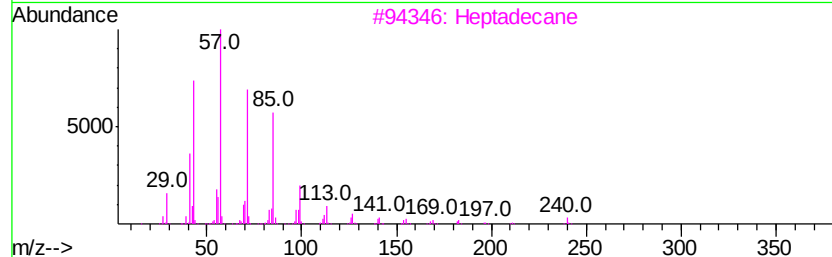
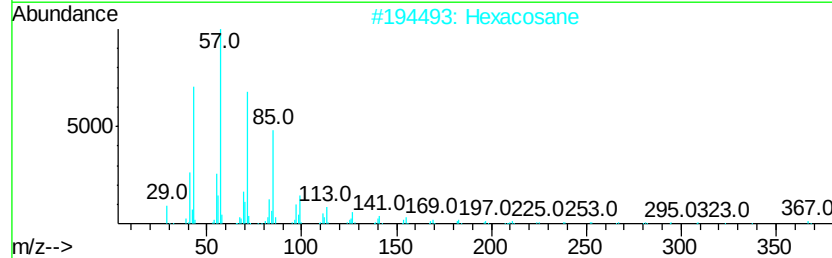
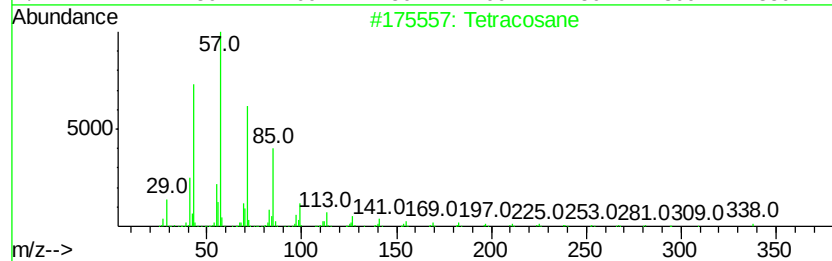
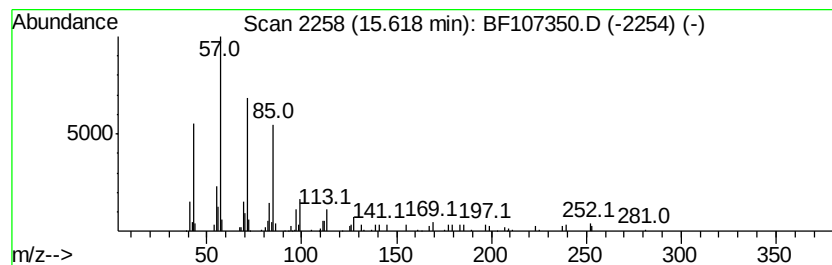
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Tetracosane Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.62 | 4.22 ng | 80536 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetracosane           | 338 | C24H50  | 000646-31-1 | 86   |
| 2    |    | Hexacosane            | 366 | C26H54  | 000630-01-3 | 86   |
| 3    |    | Heptadecane           | 240 | C17H36  | 000629-78-7 | 83   |
| 4    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 80   |
| 5    |    | Dodecane, 1-iodo-     | 296 | C12H25I | 004292-19-7 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\  
Data File : BF107350.D  
Acq On : 12 Jul 2018 20:14  
Operator : JU/SJ  
Sample : J3926-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-BAG

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

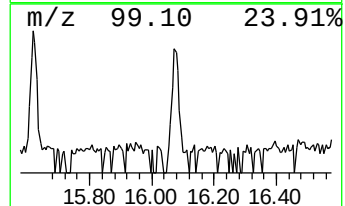
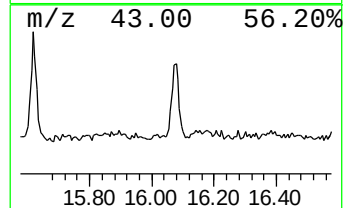
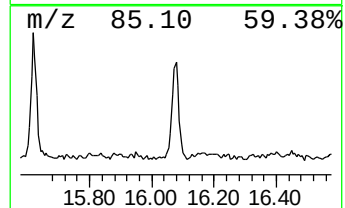
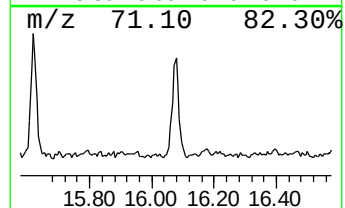
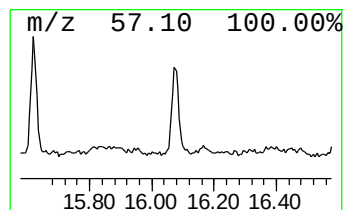
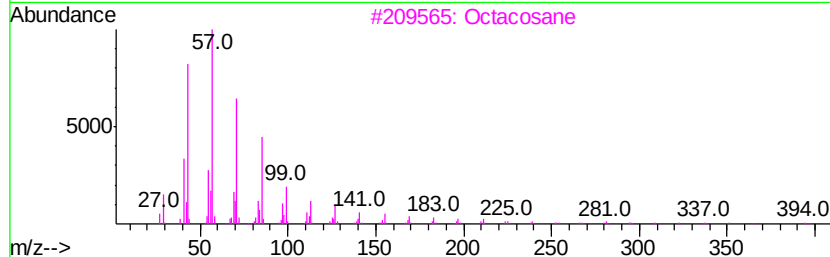
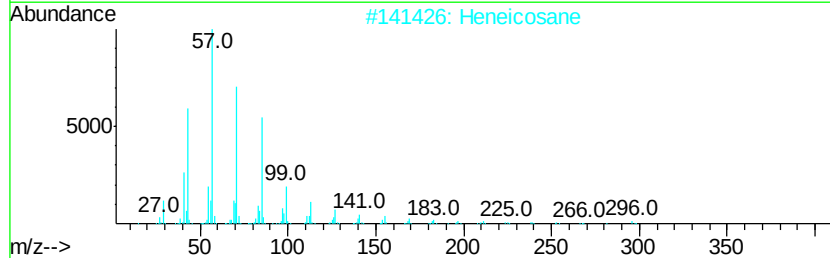
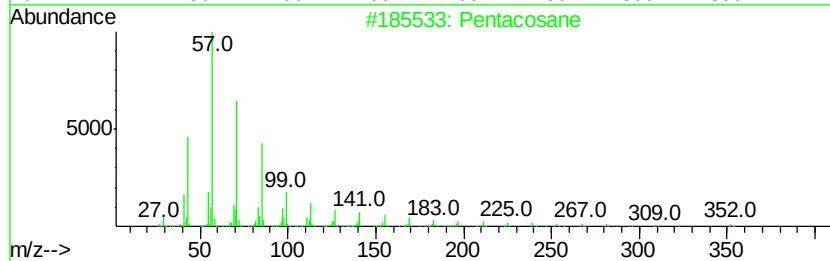
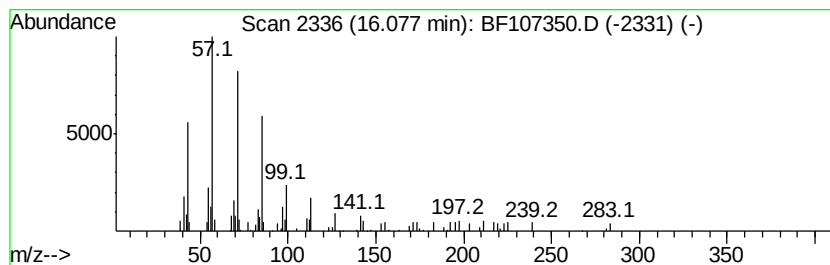
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Pentacosane Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.08 | 3.82 ng | 72938 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------|-----|----------|-------------|------|
| 1    | 5  | Pentacosane        | 352 | C25H52   | 000629-99-2 | 91   |
| 2    |    | Heneicosane        | 296 | C21H44   | 000629-94-7 | 90   |
| 3    |    | Octacosane         | 394 | C28H58   | 000630-02-4 | 90   |
| 4    |    | 2-Bromotetradecane | 276 | C14H29Br | 074036-95-6 | 87   |
| 5    |    | Heptadecane        | 240 | C17H36   | 000629-78-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF071218\  
Data File : BF107350.D  
Acq On : 12 Jul 2018 20:14  
Operator : JU/SJ  
Sample : J3926-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-BAG

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.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 |
| 2-Pentanone, 4-hy... | 5.17  | 14.3    | ng    | 287758   | 1                     | 6.93  | 402091 | 20.0 |
| unknown6.71          | 6.71  | 78.7    | ng    | 1582870  | 1                     | 6.93  | 402091 | 20.0 |
| Trifluoroacetic a... | 13.94 | 8.6     | ng    | 227671   | 5                     | 14.14 | 531380 | 20.0 |
| Heptadecane          | 14.25 | 2.2     | ng    | 58677    | 5                     | 14.14 | 531380 | 20.0 |
| Heneicosane          | 14.56 | 3.1     | ng    | 82705    | 5                     | 14.14 | 531380 | 20.0 |
| Eicosane             | 14.87 | 2.8     | ng    | 74561    | 5                     | 14.14 | 531380 | 20.0 |
| Squalene             | 14.95 | 5.6     | ng    | 107006   | 6                     | 15.67 | 381557 | 20.0 |
| Octacosane           | 15.22 | 3.7     | ng    | 70354    | 6                     | 15.67 | 381557 | 20.0 |
| Tetracosane          | 15.62 | 4.2     | ng    | 80536    | 6                     | 15.67 | 381557 | 20.0 |
| Pentacosane          | 16.08 | 3.8     | ng    | 72938    | 6                     | 15.67 | 381557 | 20.0 |