

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
 Data File : BF111011.D  
 Acq On : 27 Nov 2018 15:56  
 Operator : JU/SJ  
 Sample : J6050-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DTW-02

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-BF112618.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         | 2.222       | 17            | 23          | 37           | rVB      | 408500         | 566973        | 44.86%          | 5.743%        |
| 2         | 5.563       | 588           | 591         | 619          | rBV      | 338361         | 488790        | 38.68%          | 4.951%        |
| 3         | 6.575       | 760           | 763         | 778          | rBV      | 168311         | 295533        | 23.38%          | 2.993%        |
| 4         | 6.710       | 782           | 786         | 801          | rVB      | 938270         | 921104        | 72.88%          | 9.330%        |
| 5         | 6.939       | 822           | 825         | 837          | rBV      | 303715         | 283480        | 22.43%          | 2.871%        |
| 6         | 7.092       | 847           | 851         | 867          | rBV      | 883216         | 795697        | 62.96%          | 8.059%        |
| 7         | 7.504       | 918           | 921         | 943          | rBV      | 547587         | 666242        | 52.72%          | 6.748%        |
| 8         | 8.222       | 1040          | 1043        | 1062         | rBV      | 261081         | 342770        | 27.12%          | 3.472%        |
| 9         | 9.292       | 1221          | 1225        | 1235         | rBV      | 1131019        | 1015888       | 80.38%          | 10.290%       |
| 10        | 9.845       | 1316          | 1319        | 1323         | rBV      | 16656          | 17000         | 1.35%           | 0.172%        |
| 11        | 9.980       | 1339          | 1342        | 1346         | rBV2     | 342514         | 319687        | 25.30%          | 3.238%        |
| 12        | 10.016      | 1346          | 1348        | 1355         | rVB      | 70571          | 64668         | 5.12%           | 0.655%        |
| 13        | 10.539      | 1434          | 1437        | 1444         | rBV      | 20836          | 22515         | 1.78%           | 0.228%        |
| 14        | 10.780      | 1474          | 1478        | 1491         | rBV      | 601175         | 650556        | 51.48%          | 6.589%        |
| 15        | 11.480      | 1593          | 1597        | 1600         | rBV      | 374312         | 349844        | 27.68%          | 3.543%        |
| 16        | 11.563      | 1608          | 1611        | 1616         | rVB      | 16022          | 18758         | 1.48%           | 0.190%        |
| 17        | 11.980      | 1678          | 1682        | 1687         | rBV2     | 61762          | 66283         | 5.24%           | 0.671%        |
| 18        | 12.098      | 1700          | 1702        | 1708         | rVB      | 20144          | 22063         | 1.75%           | 0.223%        |
| 19        | 12.704      | 1802          | 1805        | 1810         | rVB      | 47414          | 44395         | 3.51%           | 0.450%        |
| 20        | 12.763      | 1812          | 1815        | 1819         | rBV2     | 32514          | 36181         | 2.86%           | 0.366%        |
| 21        | 12.933      | 1842          | 1844        | 1848         | rVB      | 35872          | 30486         | 2.41%           | 0.309%        |
| 22        | 13.063      | 1861          | 1866        | 1869         | rBV      | 1430152        | 1263815       | 100.00%         | 12.801%       |
| 23        | 13.604      | 1955          | 1958        | 1961         | rBV2     | 17611          | 17141         | 1.36%           | 0.174%        |
| 24        | 13.933      | 2010          | 2014        | 2018         | rBV      | 40603          | 47071         | 3.72%           | 0.477%        |
| 25        | 14.139      | 2045          | 2049        | 2056         | rBV      | 303335         | 335056        | 26.51%          | 3.394%        |
| 26        | 14.245      | 2064          | 2067        | 2070         | rBV      | 93145          | 80043         | 6.33%           | 0.811%        |
| 27        | 14.551      | 2116          | 2119        | 2124         | rBV      | 163756         | 137015        | 10.84%          | 1.388%        |
| 28        | 14.868      | 2169          | 2173        | 2177         | rBV      | 180467         | 180274        | 14.26%          | 1.826%        |
| 29        | 15.215      | 2228          | 2232        | 2238         | rVB      | 169532         | 186126        | 14.73%          | 1.885%        |
| 30        | 15.609      | 2294          | 2299        | 2305         | rBV      | 136368         | 178528        | 14.13%          | 1.808%        |
| 31        | 15.674      | 2306          | 2310        | 2321         | rVB      | 146882         | 209640        | 16.59%          | 2.123%        |
| 32        | 16.062      | 2371          | 2376        | 2383         | rVB      | 92194          | 135933        | 10.76%          | 1.377%        |
| 33        | 16.586      | 2460          | 2465        | 2472         | rBV2     | 44919          | 83416         | 6.60%           | 0.845%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF112718\  
Data File : BF111011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF112618.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

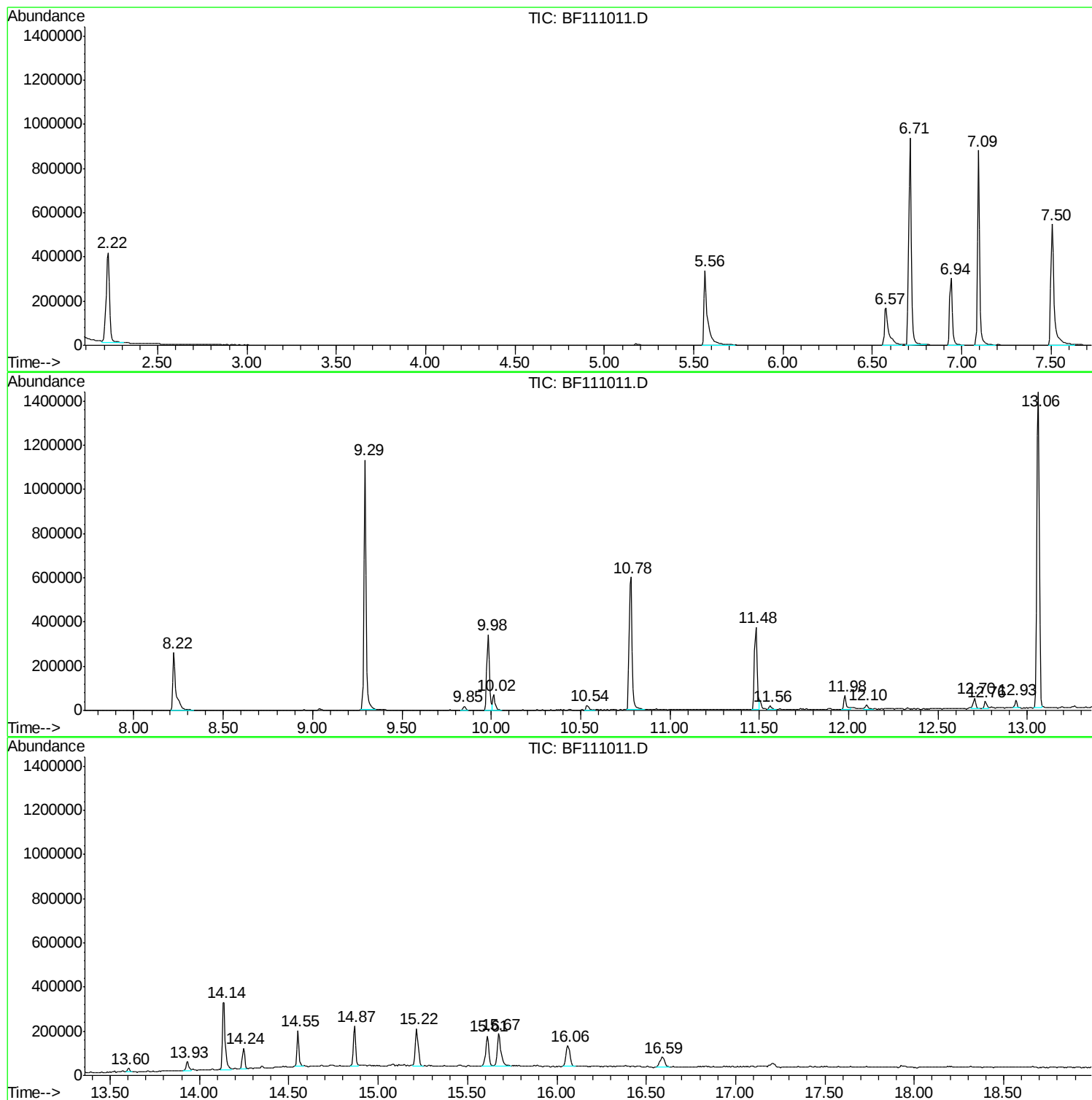
Sum of corrected areas: 9872971

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF111011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF11011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

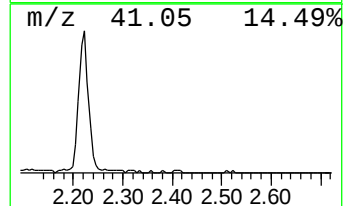
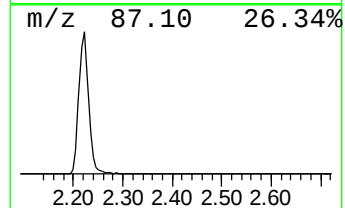
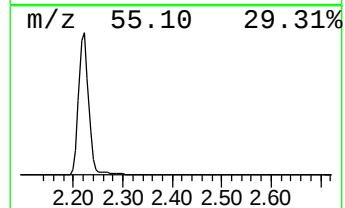
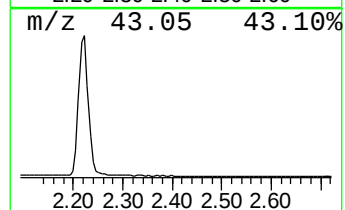
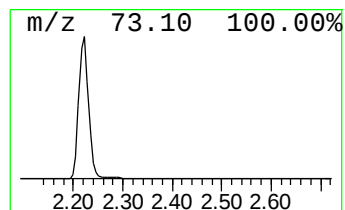
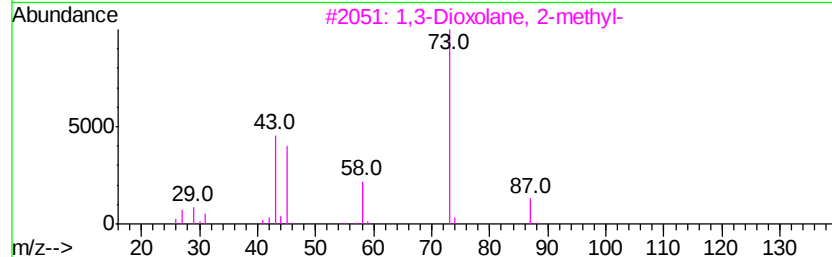
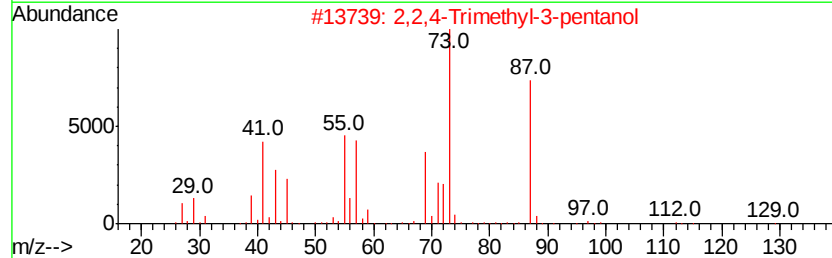
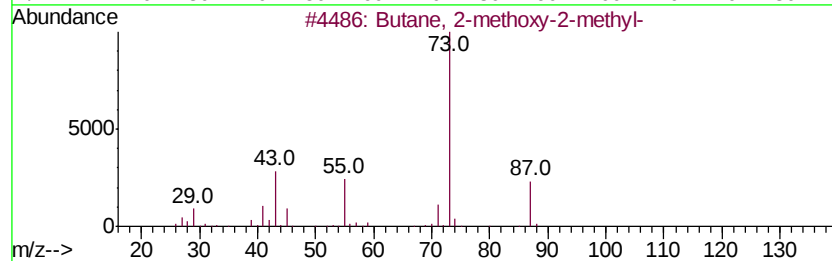
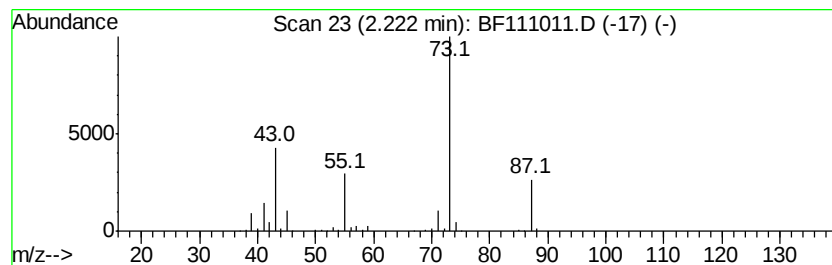
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.22 | 40.00 ng | 566973 | 1,4-Dichlorobenzene-d4 | 6.94 |

| 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    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 32   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 12   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF111011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

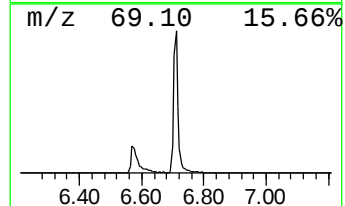
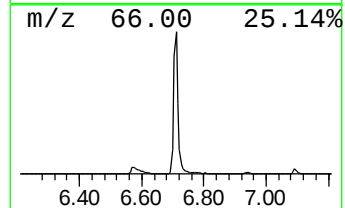
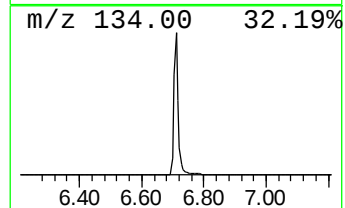
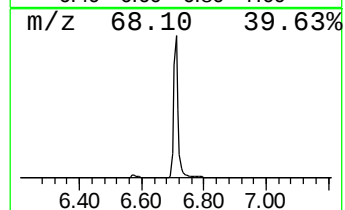
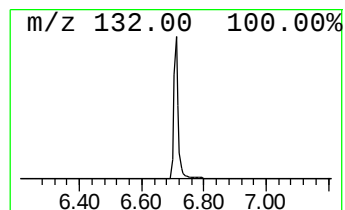
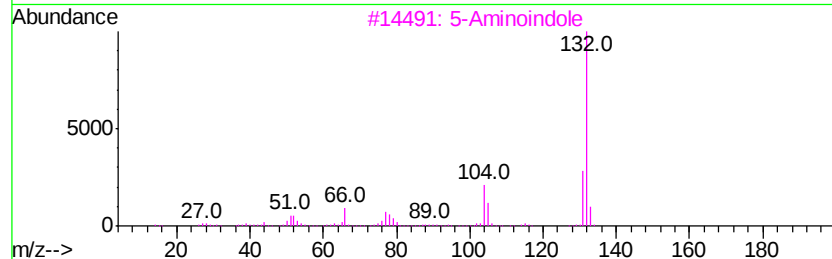
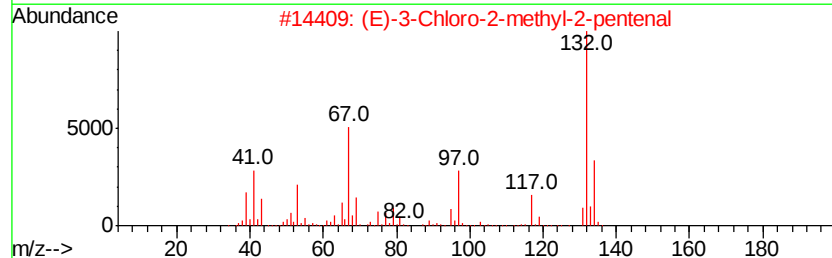
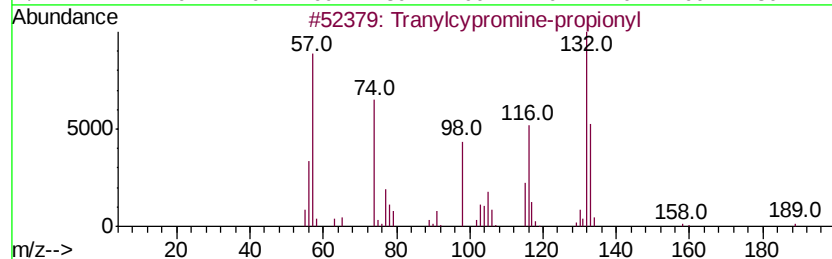
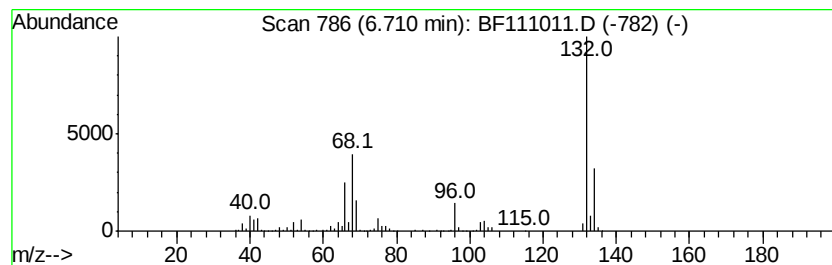
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.71 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.71 | 64.99 ng | 921104 | 1,4-Dichlorobenzene-d4 | 6.94 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Tranvlcvpromine-propionyl           | 189 | C12H15NO | 1000123-86-3 | 12   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO  | 031357-76-3  | 12   |
| 3    |    | 5-Aminoindole                       | 132 | C8H8N2   | 005192-03-0  | 12   |
| 4    |    | Xenon                               | 132 | Xe       | 007440-63-3  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12   | 028749-81-7  | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF11011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

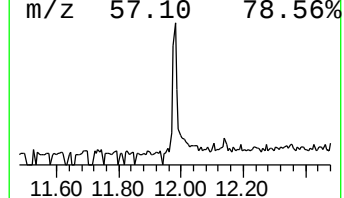
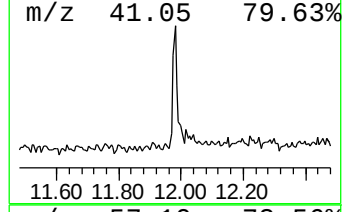
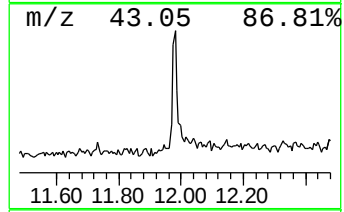
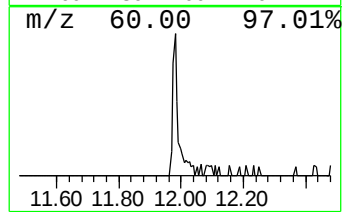
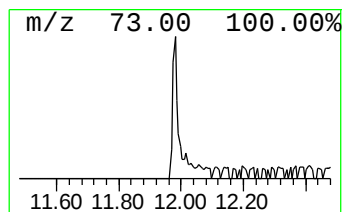
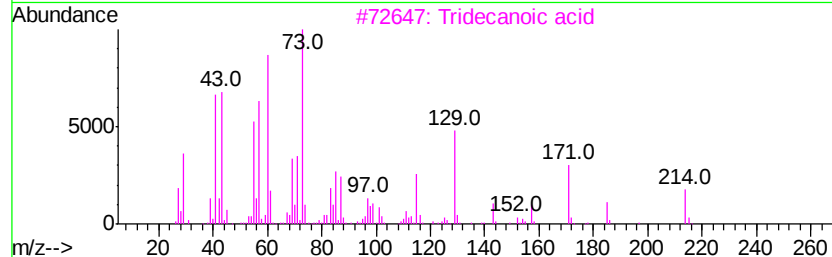
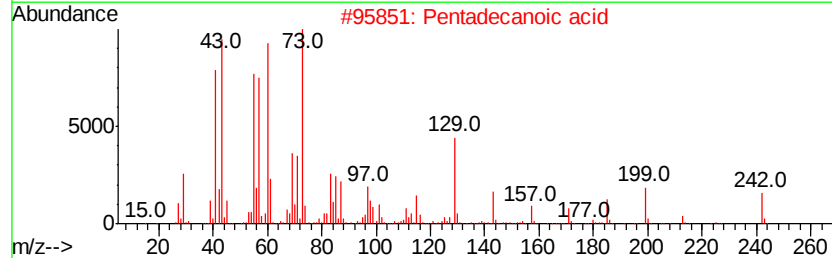
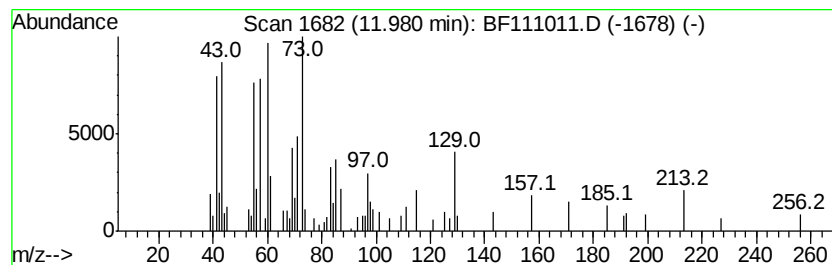
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.98 | 3.79 ng | 66283 | Phenanthrene-d10 | 11.48 |

| Hit# of | 5 | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|---------|---|----------------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid        | 256 | C16H32O2 | 000057-10-3 | 97   |
| 2       |   | Pentadecanoic acid         | 242 | C15H30O2 | 001002-84-2 | 74   |
| 3       |   | Tridecanoic acid           | 214 | C13H26O2 | 000638-53-9 | 64   |
| 4       |   | Tetradecanoic acid         | 228 | C14H28O2 | 000544-63-8 | 58   |
| 5       |   | N-Cyclooct-4-enylacetamide | 167 | C10H17NO | 170952-69-9 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF111011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

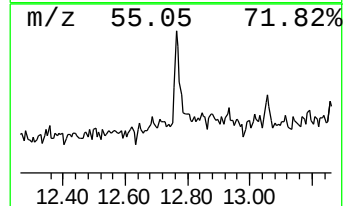
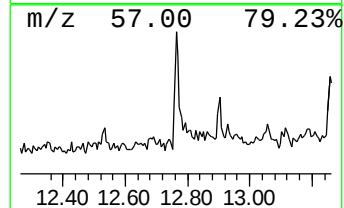
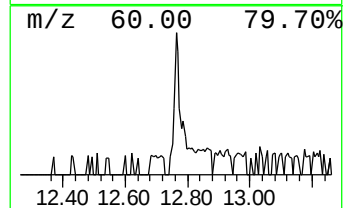
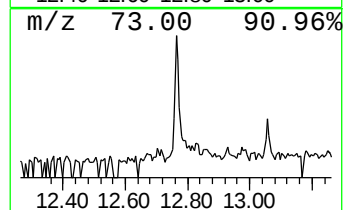
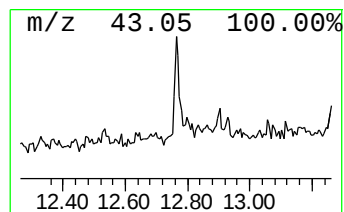
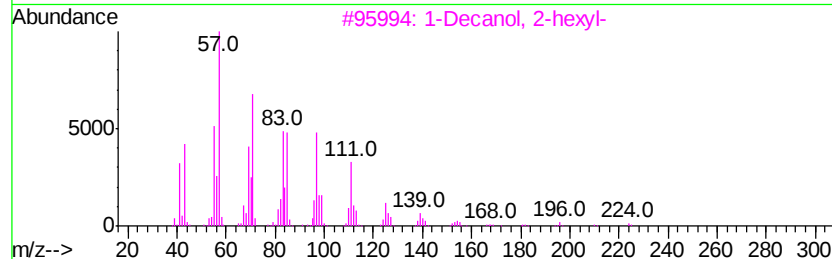
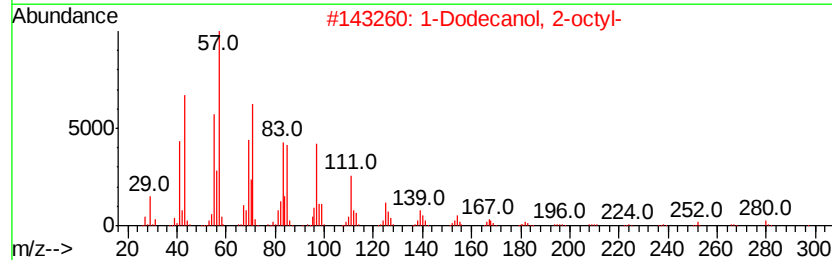
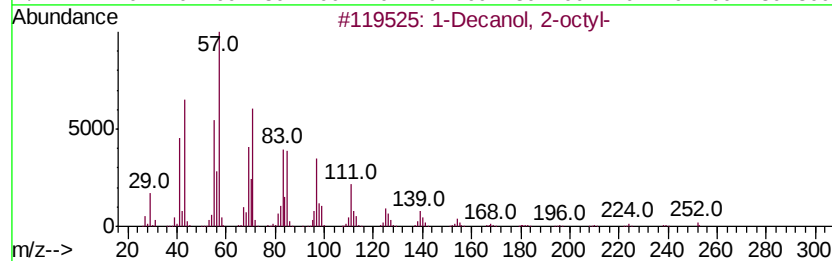
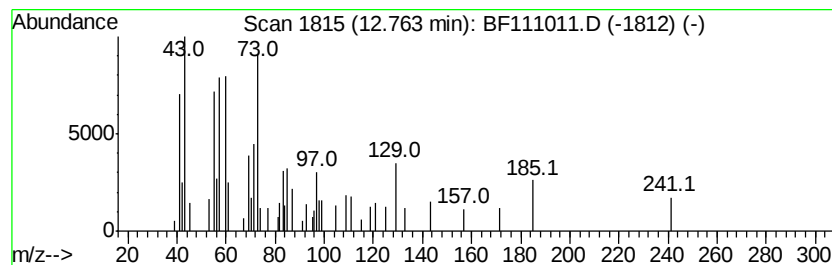
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown12.76 Concentration Rank 13

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.76 | 2.07 ng | 36181 | Phenanthrene-d10 | 11.48 |

| Hit# | of | Tentative ID                       | MW  | MolForm    | CAS#         | Qual |
|------|----|------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 1-Decanol, 2-octyl-                | 270 | C18H38O    | 045235-48-1  | 20   |
| 2    |    | 1-Dodecanol, 2-octyl-              | 298 | C20H42O    | 005333-42-6  | 20   |
| 3    |    | 1-Decanol, 2-hexyl-                | 242 | C16H34O    | 002425-77-6  | 20   |
| 4    |    | Octatriacontyl trifluoroacetate    | 647 | C40H77F3O2 | 1000351-88-7 | 18   |
| 5    |    | Oxalic acid, allyl octadecyl ester | 382 | C23H42O4   | 1000309-24-5 | 18   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF11011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

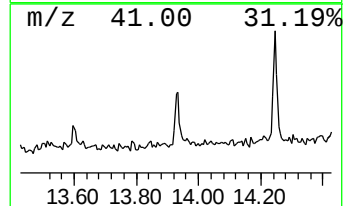
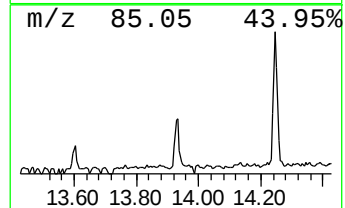
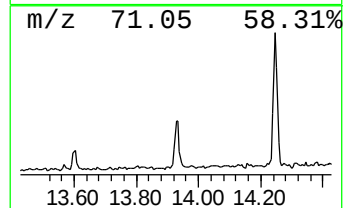
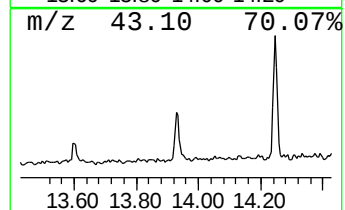
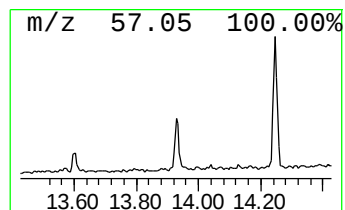
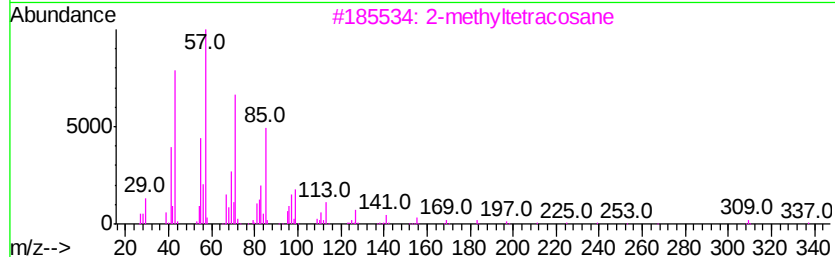
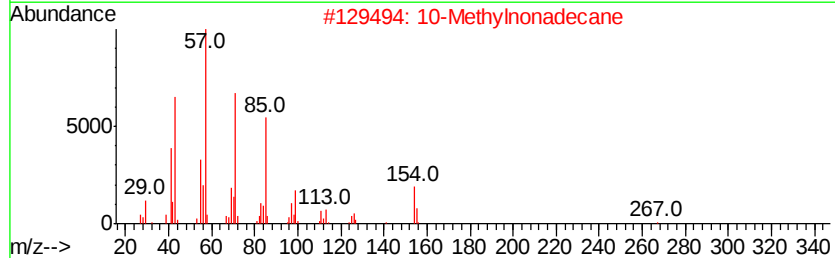
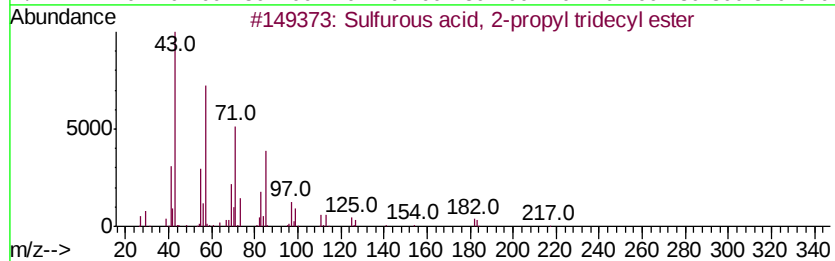
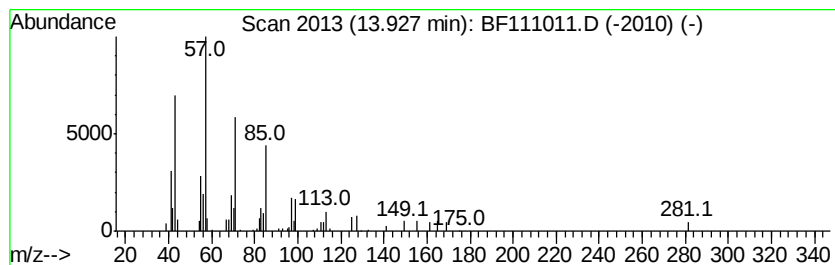
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Sulfurous acid, 2-propyl tr... Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.93 | 2.81 ng | 47071 | Chrysene-d12     | 14.14 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm     | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Sulfurous acid, 2-propyl tridecyl... | 306 | C16H34O3S   | 1000309-12-4 | 86   |
| 2    |    |   | 10-Methylnonadecane                  | 282 | C20H42      | 056862-62-5  | 86   |
| 3    |    |   | 2-methyltetracosane                  | 352 | C25H52      | 1000376-72-6 | 80   |
| 4    |    |   | 1-Octadecanesulphonyl chloride       | 352 | C18H37ClO2S | 1000342-70-4 | 80   |
| 5    |    |   | Hentriacontane                       | 437 | C31H64      | 000630-04-6  | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF111011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

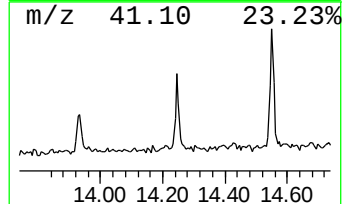
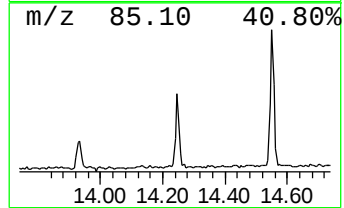
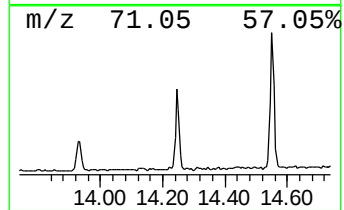
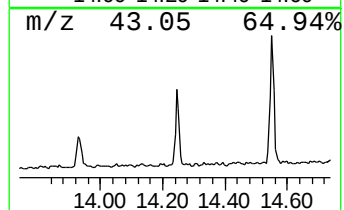
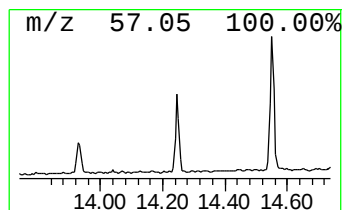
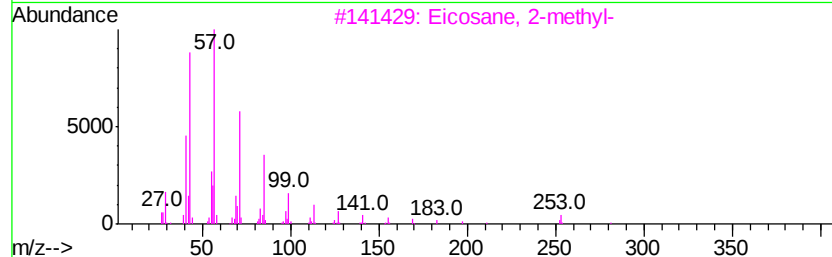
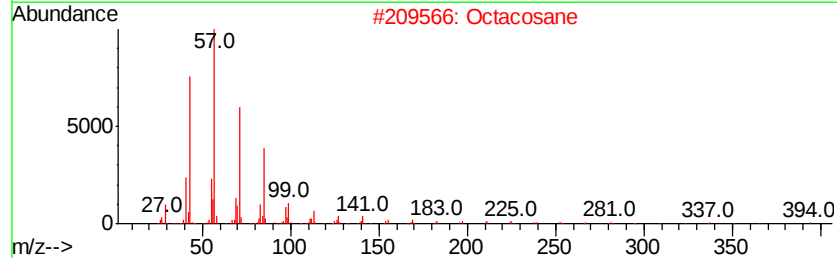
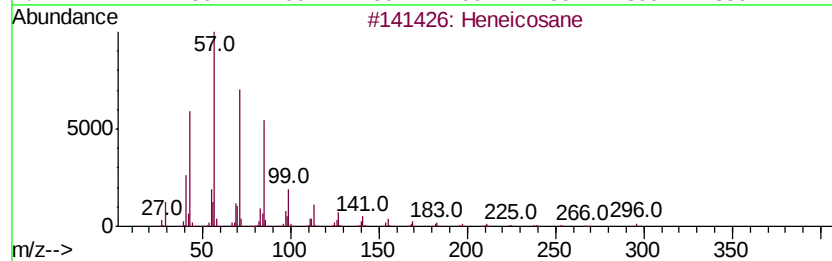
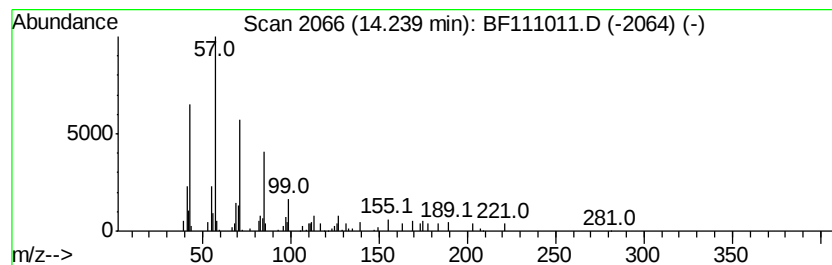
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Octacosane Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.24 | 4.78 ng | 80043 | Chrysene-d12     | 14.14 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|---------|---|---------------------|-----|---------|-------------|------|
| 1       |   | Heneicosane         | 296 | C21H44  | 000629-94-7 | 90   |
| 2       |   | Octacosane          | 394 | C28H58  | 000630-02-4 | 90   |
| 3       |   | Eicosane, 2-methyl- | 296 | C21H44  | 001560-84-5 | 90   |
| 4       |   | Tetratetracontane   | 619 | C44H90  | 007098-22-8 | 90   |
| 5       |   | Heptacosane         | 380 | C27H56  | 000593-49-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF111011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

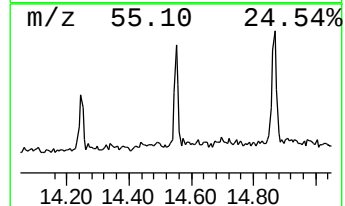
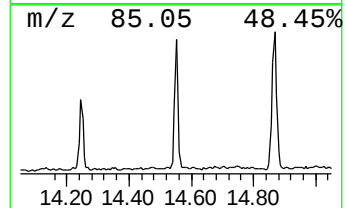
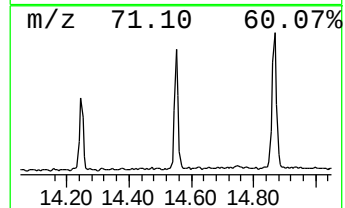
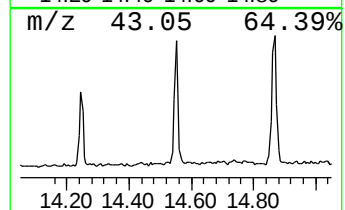
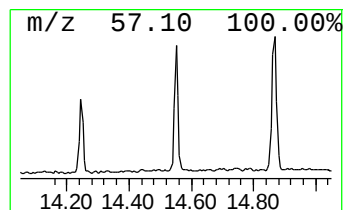
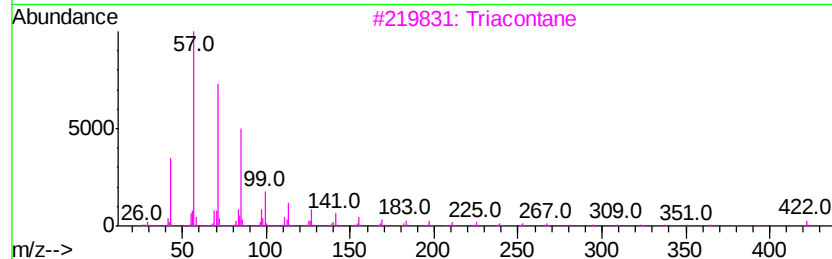
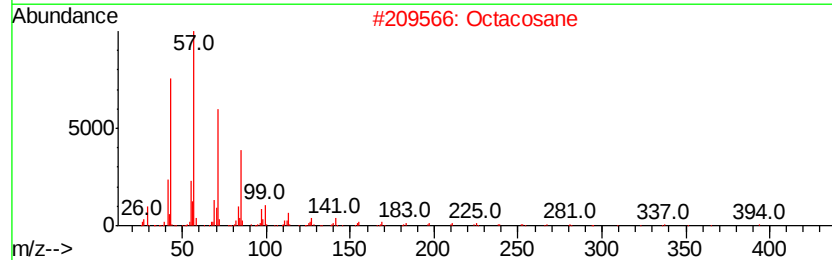
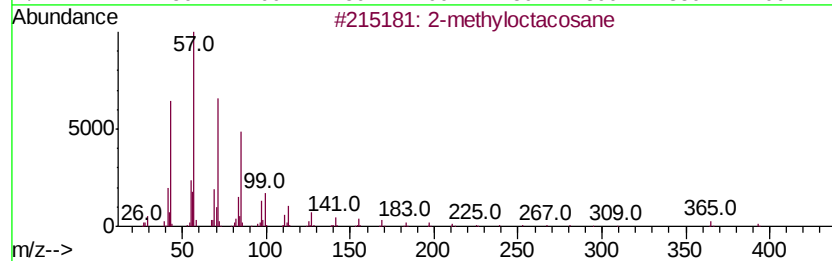
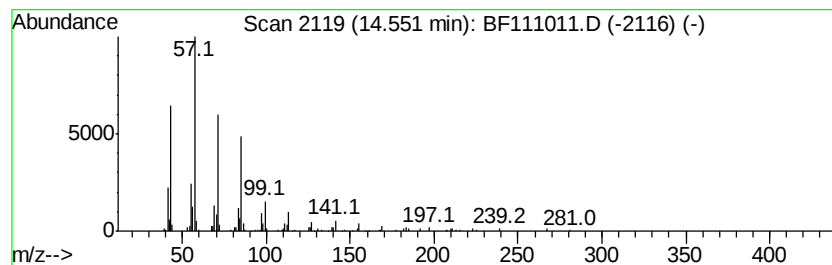
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 2-methyloctacosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.55 | 8.18 ng | 137015 | Chrysene-d12     | 14.14 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|--------------------|--------------|-----|---------|--------------|------|
| 1       | 2-methyloctacosane |              | 408 | C29H60  | 1000376-72-8 | 91   |
| 2       | Octacosane         |              | 394 | C28H58  | 000630-02-4  | 91   |
| 3       | Triacotane         |              | 422 | C30H62  | 000638-68-6  | 91   |
| 4       | Heneicosane        |              | 296 | C21H44  | 000629-94-7  | 90   |
| 5       | Hexacosane         |              | 366 | C26H54  | 000630-01-3  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF111011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

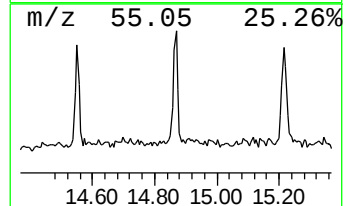
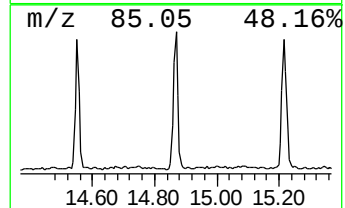
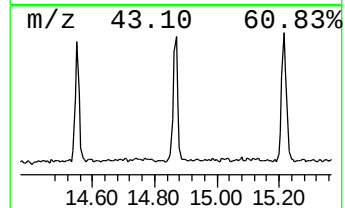
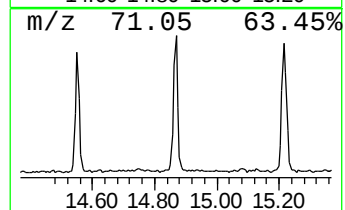
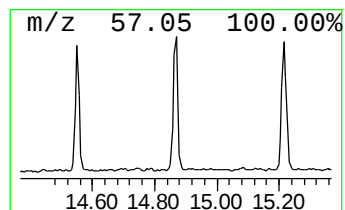
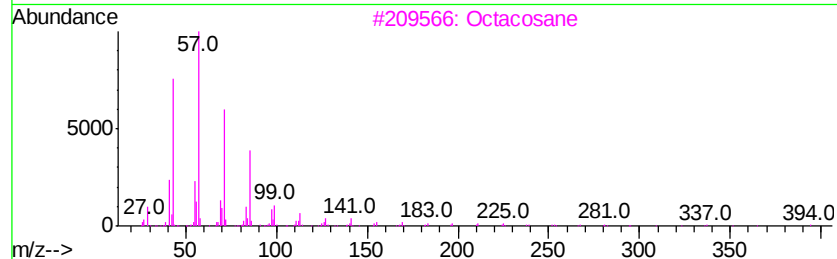
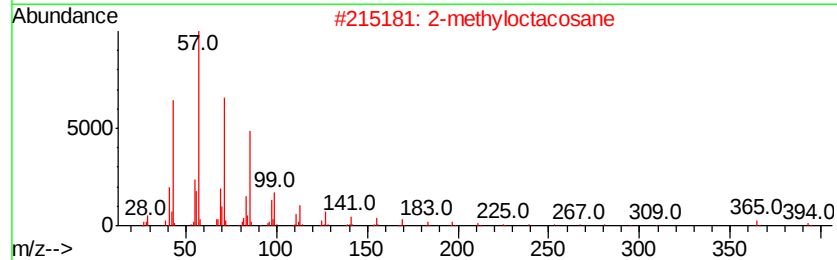
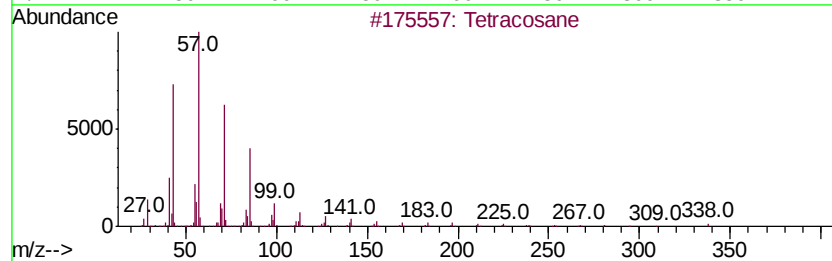
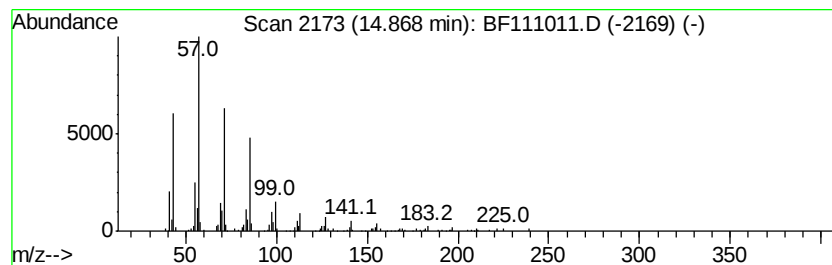
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Tetracosane Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 14.87 | 10.76 ng | 180274 | Chrysene-d12     | 14.14 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Tetracosane           | 338 | C24H50  | 000646-31-1  | 91   |
| 2    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Octacosane            | 394 | C28H58  | 000630-02-4  | 91   |
| 4    |    | Hexacosane            | 366 | C26H54  | 000630-01-3  | 91   |
| 5    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
 Data File : BF111011.D  
 Acq On : 27 Nov 2018 15:56  
 Operator : JU/SJ  
 Sample : J6050-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

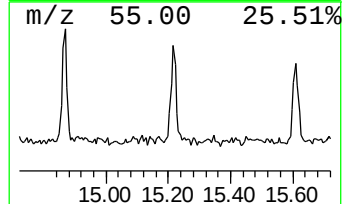
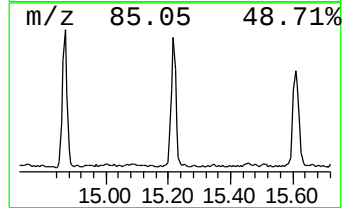
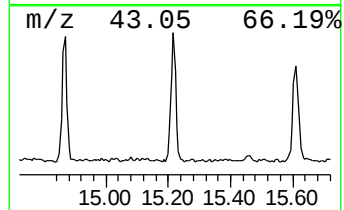
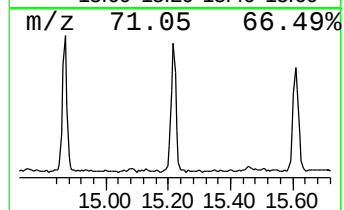
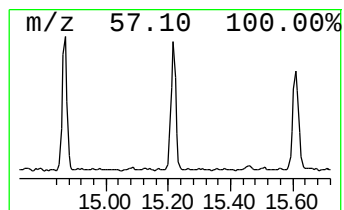
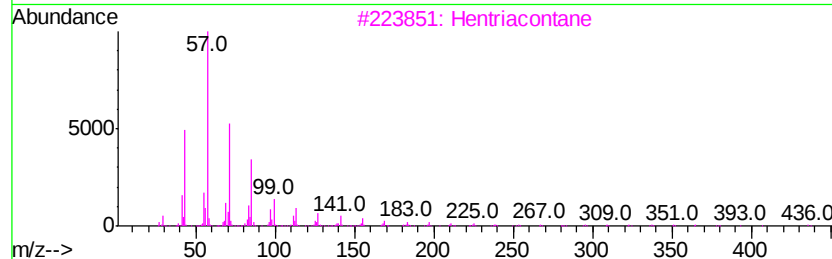
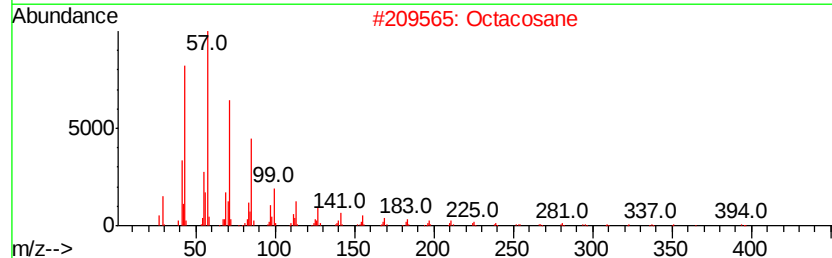
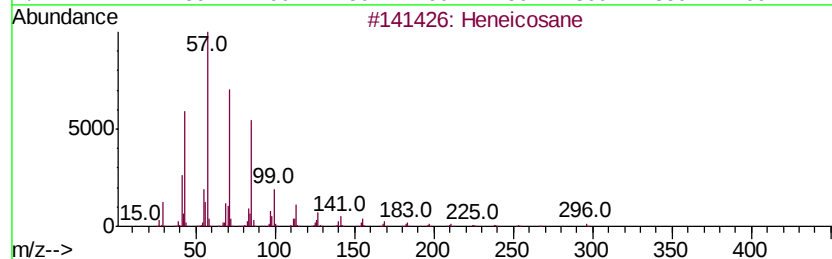
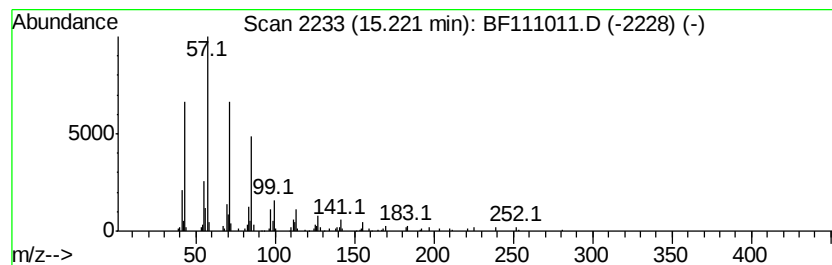
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 10 Hentriacontane Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.22 | 17.76 ng | 186126 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane    | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Octacosane     | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Hentriacontane | 437 | C31H64  | 000630-04-6 | 91   |
| 4    |    | Tetracosane    | 338 | C24H50  | 000646-31-1 | 90   |
| 5    |    | Hexacosane     | 366 | C26H54  | 000630-01-3 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF111011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

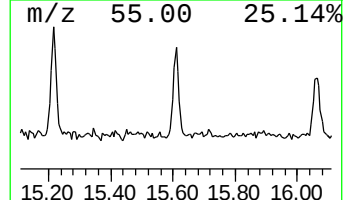
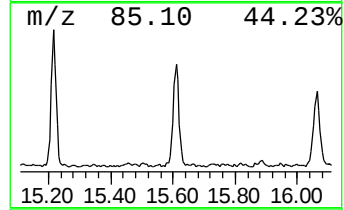
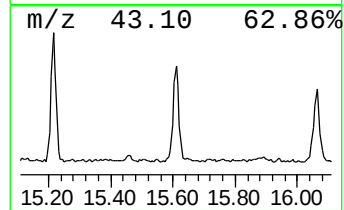
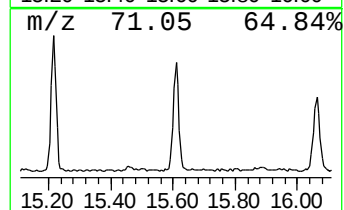
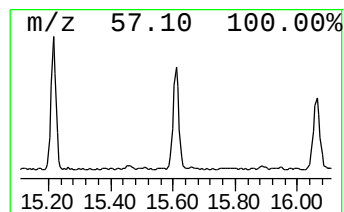
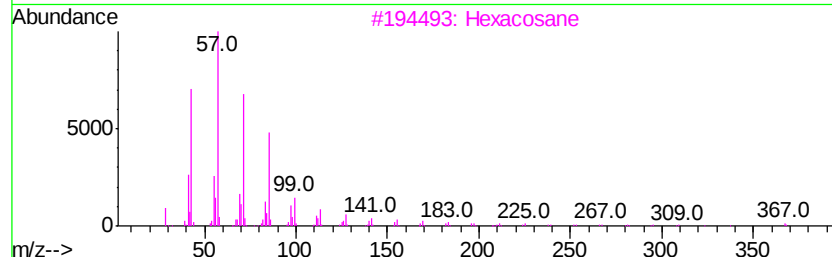
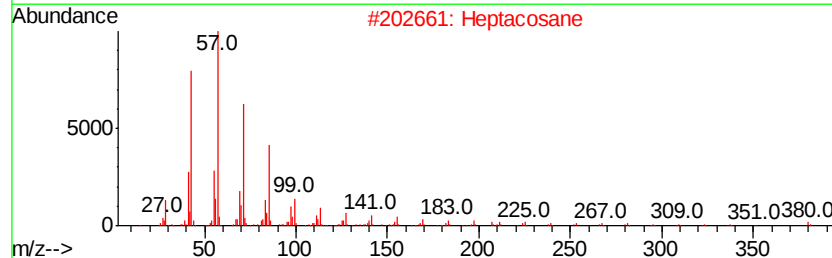
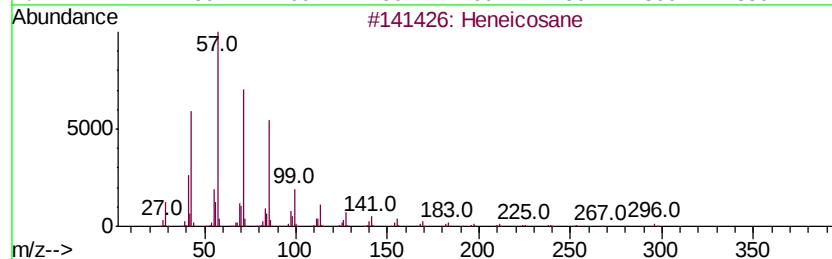
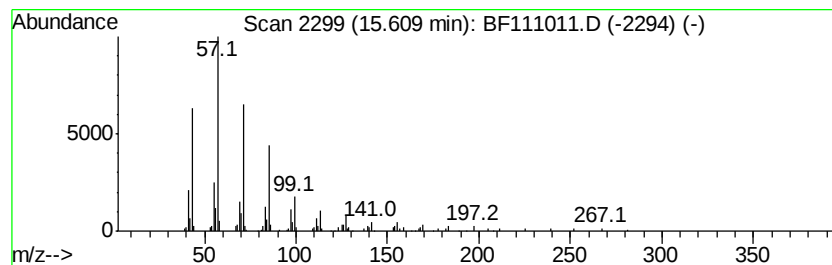
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Heptacosane Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.61 | 17.03 ng | 178528 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 2    |    | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |
| 3    |    | Hexacosane         | 366 | C26H54  | 000630-01-3  | 91   |
| 4    |    | Tetratetracontane  | 619 | C44H90  | 007098-22-8  | 91   |
| 5    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF111011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

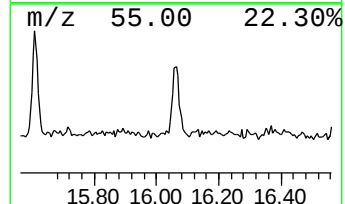
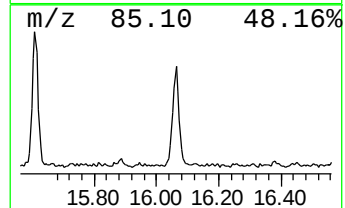
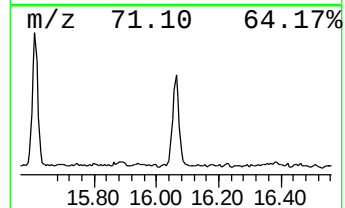
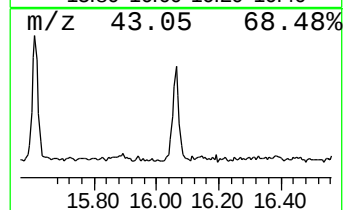
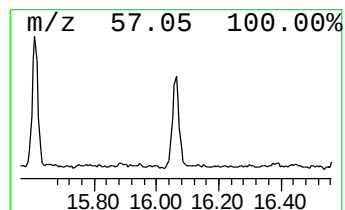
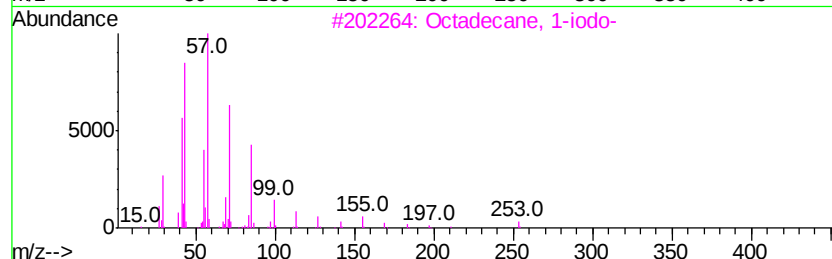
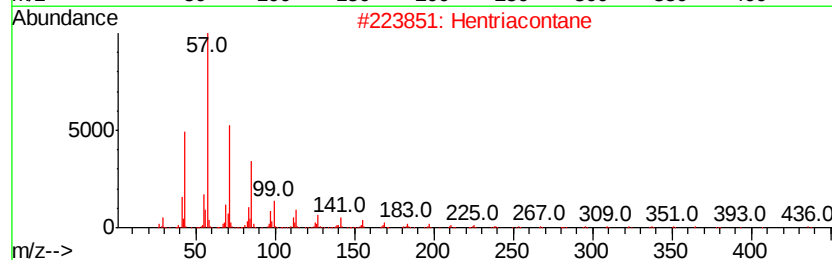
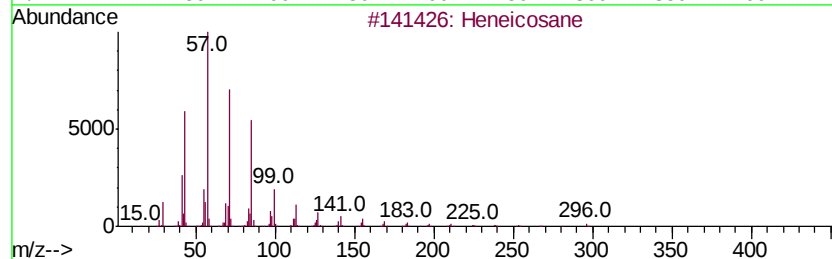
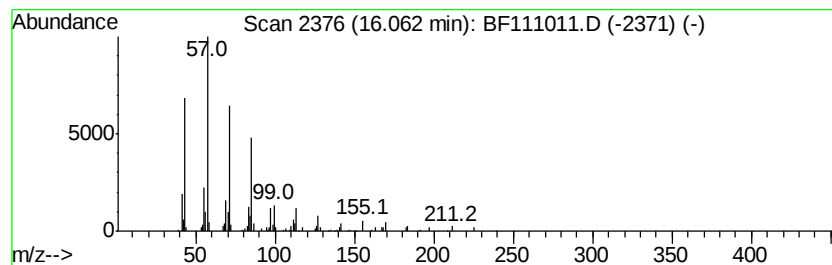
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Octadecane, 1-iodo- Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 16.06 | 12.97 ng | 135933 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane         | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Hentriacontane      | 437 | C31H64  | 000630-04-6 | 91   |
| 3    |    | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 91   |
| 4    |    | Docosane            | 310 | C22H46  | 000629-97-0 | 91   |
| 5    |    | Hexacosane          | 366 | C26H54  | 000630-01-3 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF111011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

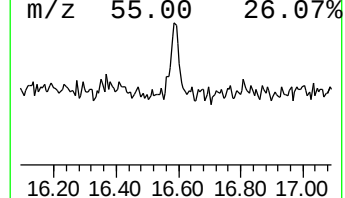
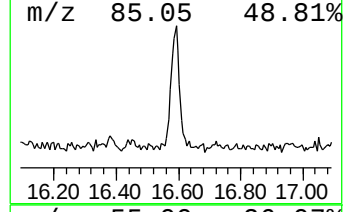
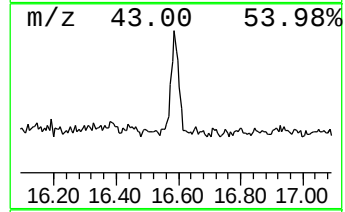
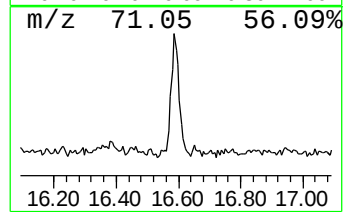
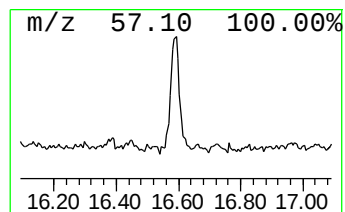
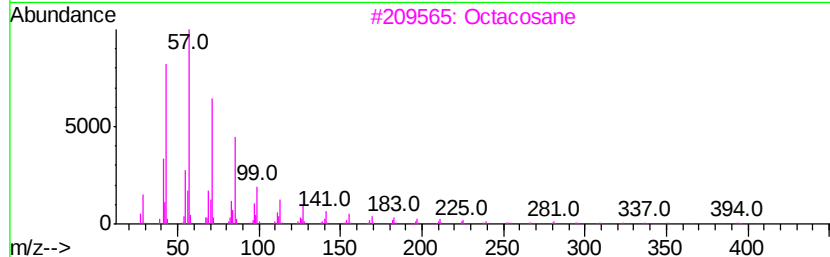
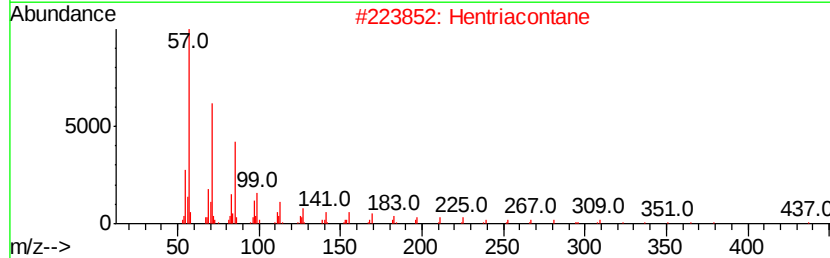
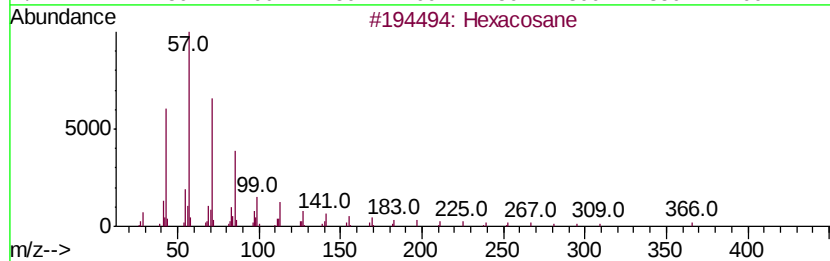
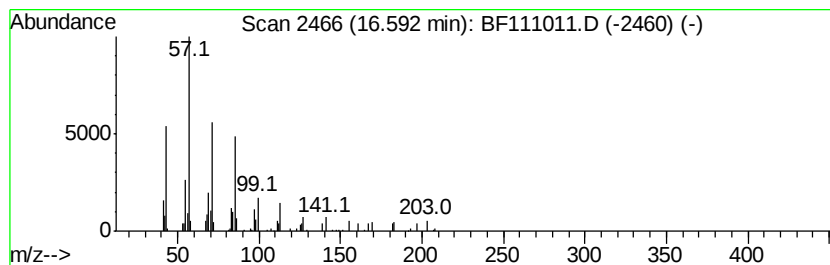
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Hexacosane Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.59 | 7.96 ng | 83416 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane     | 366 | C26H54  | 000630-01-3 | 90   |
| 2    |    | Hentriacontane | 437 | C31H64  | 000630-04-6 | 90   |
| 3    |    | Octacosane     | 394 | C28H58  | 000630-02-4 | 90   |
| 4    |    | Pentacosane    | 352 | C25H52  | 000629-99-2 | 87   |
| 5    |    | Heneicosane    | 296 | C21H44  | 000629-94-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF112718\  
Data File : BF111011.D  
Acq On : 27 Nov 2018 15:56  
Operator : JU/SJ  
Sample : J6050-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DTW-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF112618.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... | 2.22  | 40.0    | ng    | 566973   | 1                     | 6.94  | 283480 | 20.0 |
| unknown6.71          | 6.71  | 65.0    | ng    | 921104   | 1                     | 6.94  | 283480 | 20.0 |
| n-Hexadecanoic acid  | 11.98 | 3.8     | ng    | 66283    | 4                     | 11.48 | 349844 | 20.0 |
| unknown12.76         | 12.76 | 2.1     | ng    | 36181    | 4                     | 11.48 | 349844 | 20.0 |
| Sulfurous acid, 2... | 13.93 | 2.8     | ng    | 47071    | 5                     | 14.14 | 335056 | 20.0 |
| Octacosane           | 14.24 | 4.8     | ng    | 80043    | 5                     | 14.14 | 335056 | 20.0 |
| 2-methyloctacosane   | 14.55 | 8.2     | ng    | 137015   | 5                     | 14.14 | 335056 | 20.0 |
| Tetracosane          | 14.87 | 10.8    | ng    | 180274   | 5                     | 14.14 | 335056 | 20.0 |
| Hentriacontane       | 15.22 | 17.8    | ng    | 186126   | 6                     | 15.67 | 209640 | 20.0 |
| Heptacosane          | 15.61 | 17.0    | ng    | 178528   | 6                     | 15.67 | 209640 | 20.0 |
| Octadecane, 1-iodo-  | 16.06 | 13.0    | ng    | 135933   | 6                     | 15.67 | 209640 | 20.0 |
| Hexacosane           | 16.59 | 8.0     | ng    | 83416    | 6                     | 15.67 | 209640 | 20.0 |