

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032019\  
 Data File : BF113178.D  
 Acq On : 20 Mar 2019 18:33  
 Operator : JU/SJ  
 Sample : K1688-27 10X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-031919-D

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-BF022719.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         | 5.334       | 549           | 552         | 562          | rBV      | 152441         | 172871        | 3.66%           | 0.817%        |
| 2         | 6.369       | 725           | 728         | 743          | rBV      | 195837         | 219191        | 4.64%           | 1.036%        |
| 3         | 6.493       | 746           | 749         | 760          | rVB      | 243656         | 221858        | 4.69%           | 1.049%        |
| 4         | 6.722       | 784           | 788         | 803          | rBV      | 779996         | 666985        | 14.11%          | 3.152%        |
| 5         | 6.881       | 811           | 815         | 819          | rBV      | 183146         | 180195        | 3.81%           | 0.852%        |
| 6         | 7.281       | 876           | 883         | 890          | rBV      | 107532         | 138391        | 2.93%           | 0.654%        |
| 7         | 8.004       | 1002          | 1006        | 1013         | rBV      | 996373         | 922709        | 19.52%          | 4.361%        |
| 8         | 8.610       | 1105          | 1109        | 1113         | rBV      | 66390          | 65996         | 1.40%           | 0.312%        |
| 9         | 9.081       | 1185          | 1189        | 1194         | rBV      | 294982         | 283320        | 5.99%           | 1.339%        |
| 10        | 9.169       | 1201          | 1204        | 1208         | rBV      | 80076          | 78205         | 1.65%           | 0.370%        |
| 11        | 9.351       | 1228          | 1235        | 1240         | rBV8     | 31850          | 48151         | 1.02%           | 0.228%        |
| 12        | 9.698       | 1291          | 1294        | 1299         | rBV      | 104366         | 81115         | 1.72%           | 0.383%        |
| 13        | 9.757       | 1299          | 1304        | 1314         | rBV      | 1273478        | 1103619       | 23.34%          | 5.216%        |
| 14        | 10.198      | 1375          | 1379        | 1382         | rBV      | 146048         | 112727        | 2.38%           | 0.533%        |
| 15        | 10.416      | 1410          | 1416        | 1422         | rBV      | 46348          | 63802         | 1.35%           | 0.302%        |
| 16        | 10.545      | 1433          | 1438        | 1442         | rBV      | 166253         | 175523        | 3.71%           | 0.830%        |
| 17        | 10.669      | 1456          | 1459        | 1466         | rBV      | 135555         | 152708        | 3.23%           | 0.722%        |
| 18        | 11.116      | 1532          | 1535        | 1537         | rBV      | 118648         | 95786         | 2.03%           | 0.453%        |
| 19        | 11.151      | 1537          | 1541        | 1546         | rVB2     | 49915          | 56766         | 1.20%           | 0.268%        |
| 20        | 11.239      | 1552          | 1556        | 1558         | rBV      | 1086856        | 1062969       | 22.48%          | 5.024%        |
| 21        | 11.257      | 1558          | 1559        | 1563         | rVB      | 147938         | 110148        | 2.33%           | 0.521%        |
| 22        | 11.539      | 1604          | 1607        | 1609         | rBV      | 143637         | 107290        | 2.27%           | 0.507%        |
| 23        | 11.639      | 1620          | 1624        | 1627         | rBV      | 2445198        | 2000312       | 42.31%          | 9.454%        |
| 24        | 11.769      | 1643          | 1646        | 1655         | rBV3     | 98858          | 123634        | 2.62%           | 0.584%        |
| 25        | 11.945      | 1669          | 1676        | 1683         | rVB      | 128426         | 176416        | 3.73%           | 0.834%        |
| 26        | 12.322      | 1736          | 1740        | 1742         | rBV      | 4516666        | 4727801       | 100.00%         | 22.345%       |
| 27        | 12.345      | 1742          | 1744        | 1747         | rVB      | 4418366        | 3634429       | 76.87%          | 17.177%       |
| 28        | 12.427      | 1755          | 1758        | 1760         | rBV      | 963036         | 778121        | 16.46%          | 3.678%        |
| 29        | 12.675      | 1794          | 1800        | 1803         | rBV2     | 198773         | 294617        | 6.23%           | 1.392%        |
| 30        | 12.816      | 1821          | 1824        | 1829         | rBV      | 378790         | 320733        | 6.78%           | 1.516%        |
| 31        | 12.986      | 1850          | 1853        | 1854         | rBV2     | 104264         | 103628        | 2.19%           | 0.490%        |
| 32        | 13.069      | 1862          | 1867        | 1870         | rBV4     | 98381          | 152773        | 3.23%           | 0.722%        |
| 33        | 13.151      | 1878          | 1881        | 1883         | rBV      | 102152         | 102303        | 2.16%           | 0.484%        |
| 34        | 13.174      | 1883          | 1885        | 1888         | rVV3     | 101315         | 124796        | 2.64%           | 0.590%        |

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Sample : K1688-27 10X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-031919-D

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-BF022719.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.216 | 1889 | 1892 | 1897 | rVB3 | 103470  | 143738  | 3.04%  | 0.679% |
| 36 | 13.292 | 1903 | 1905 | 1906 | rBV  | 58752   | 48538   | 1.03%  | 0.229% |
| 37 | 13.569 | 1949 | 1952 | 1956 | rVB2 | 93390   | 123104  | 2.60%  | 0.582% |
| 38 | 13.816 | 1992 | 1994 | 1998 | rBV  | 76003   | 67981   | 1.44%  | 0.321% |
| 39 | 13.869 | 1998 | 2003 | 2006 | rBV  | 1247093 | 1204261 | 25.47% | 5.692% |
| 40 | 14.045 | 2030 | 2033 | 2036 | rBV  | 92024   | 115709  | 2.45%  | 0.547% |
| 41 | 14.639 | 2132 | 2134 | 2137 | rVB  | 81681   | 66586   | 1.41%  | 0.315% |
| 42 | 15.280 | 2239 | 2243 | 2246 | rBV  | 644529  | 728339  | 15.41% | 3.442% |

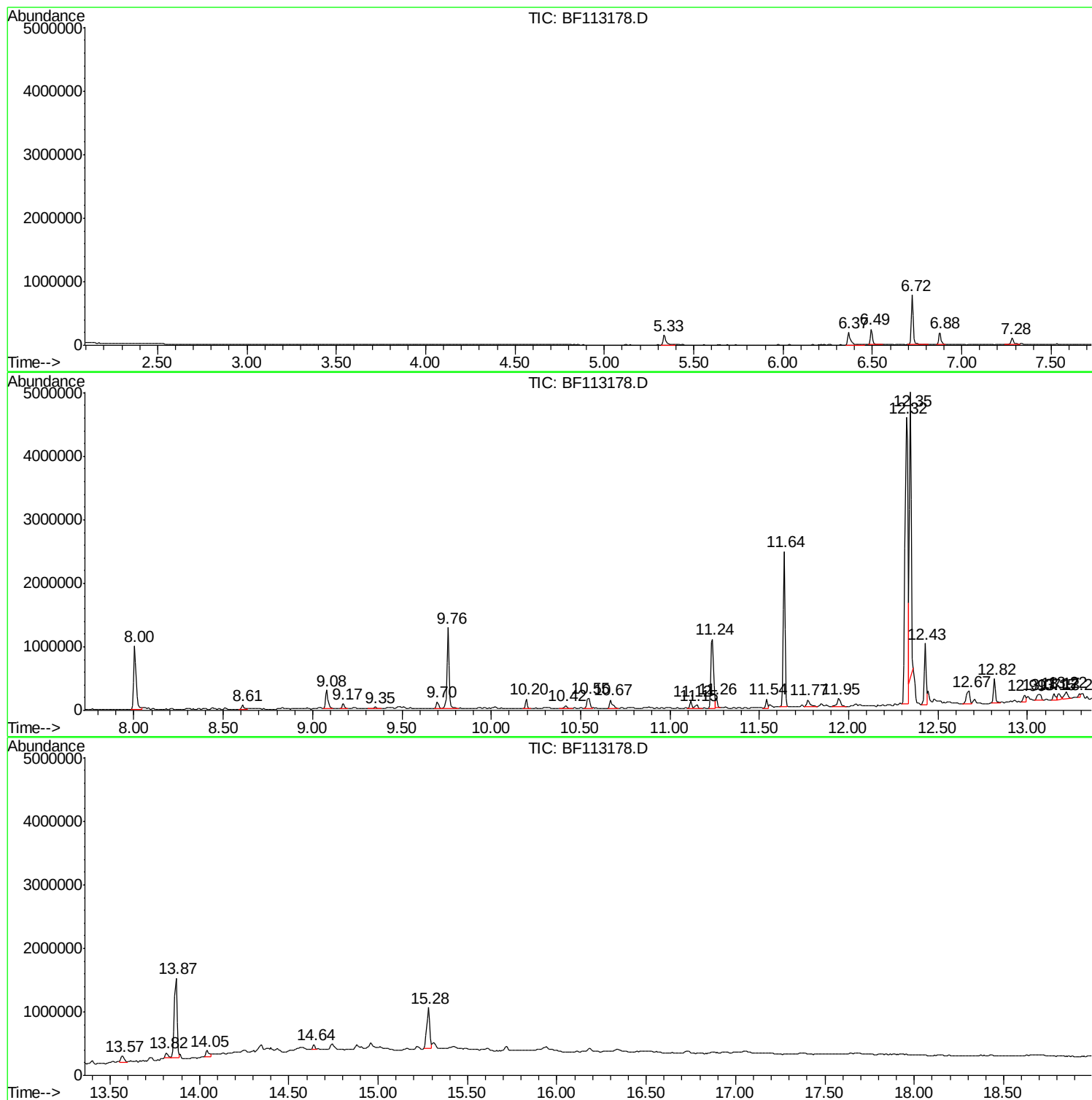
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

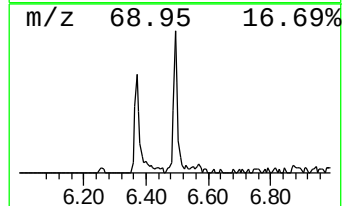
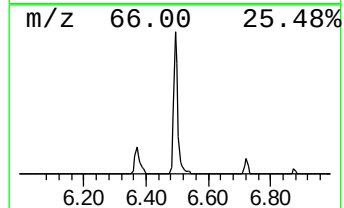
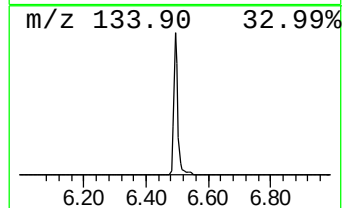
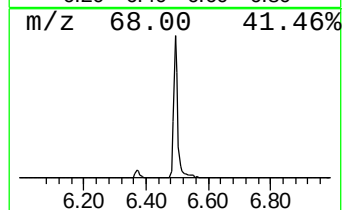
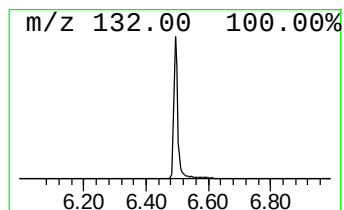
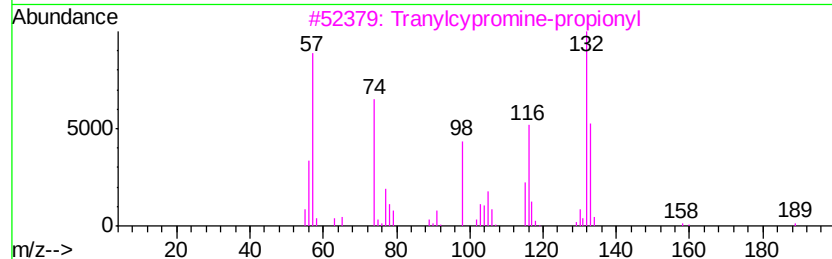
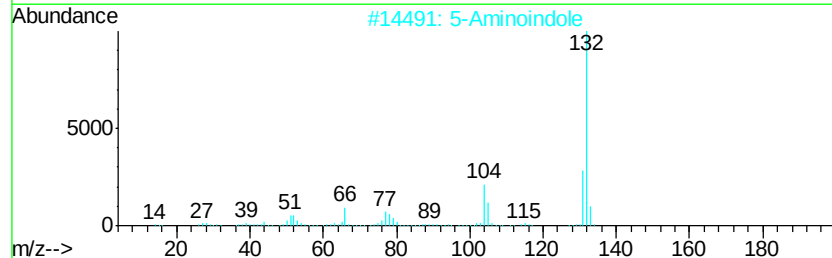
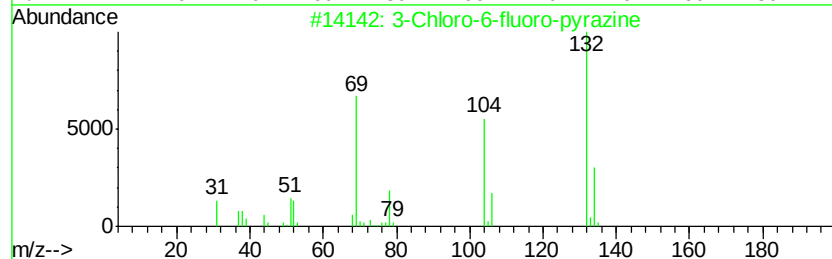
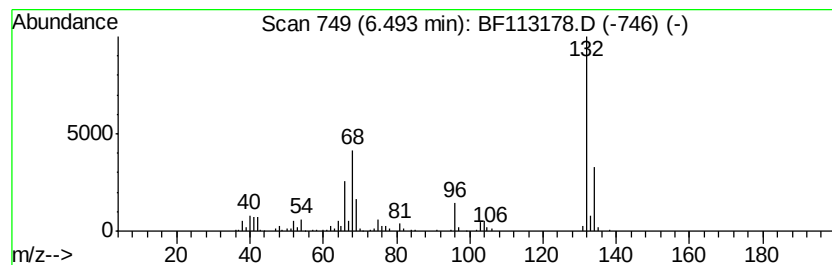
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.49 Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.49 | 6.65 ng | 221858 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    |   | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    |   | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    |   | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



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ALS Vial : 17 Sample Multiplier: 1

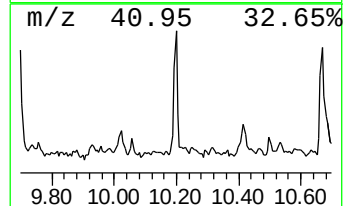
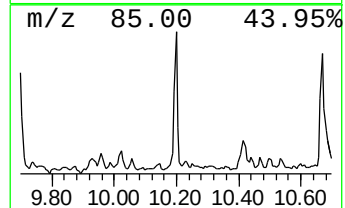
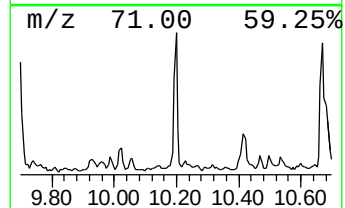
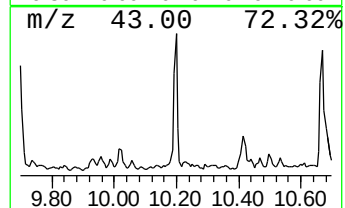
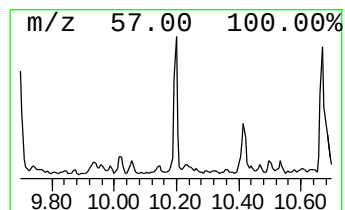
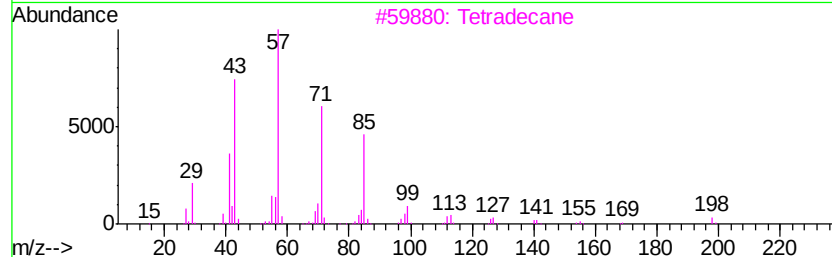
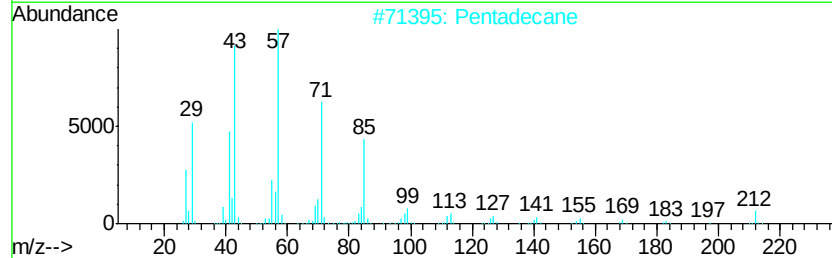
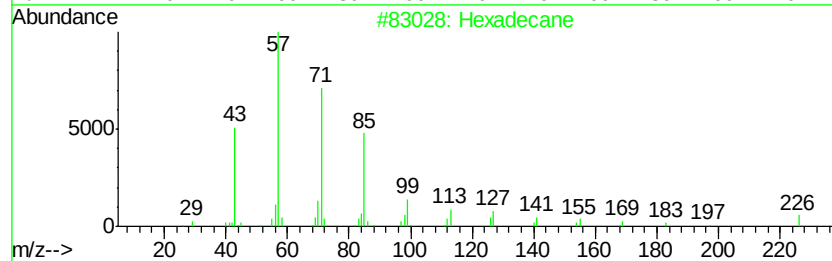
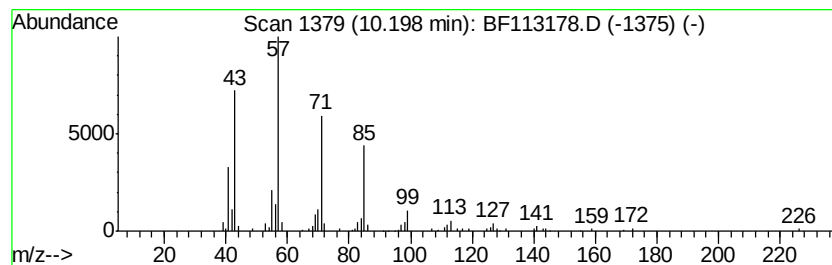
Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-031919-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.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 3 Hexadecane Concentration Rank 13

| R.T.    | EstConc                             | Area          | Relative to ISTD | R.T.      |
|---------|-------------------------------------|---------------|------------------|-----------|
| 10.20   | 2.04 ng                             | 112727        | Acenaphthene-d10 | 9.76      |
| Hit# of | 5                                   | Tentative ID  | MW MolForm       | CAS# Qual |
| 1       | Hexadecane                          | 226 C16H34    | 000544-76-3      | 95        |
| 2       | Pentadecane                         | 212 C15H32    | 000629-62-9      | 91        |
| 3       | Tetradecane                         | 198 C14H30    | 000629-59-4      | 91        |
| 4       | Sulfurous acid, 2-propyl tetrade... | 320 C17H36O3S | 1000309-12-5     | 90        |
| 5       | Tridecane                           | 184 C13H28    | 000629-50-5      | 90        |



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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

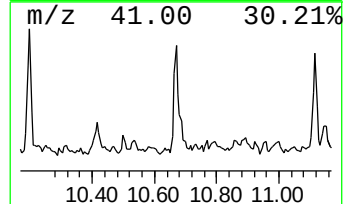
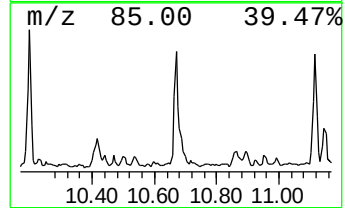
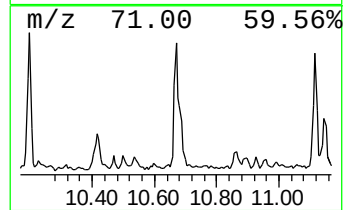
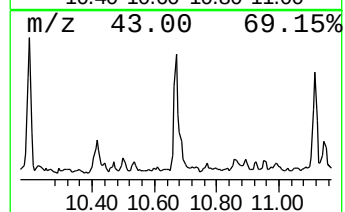
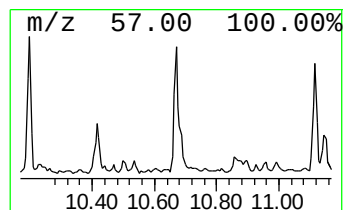
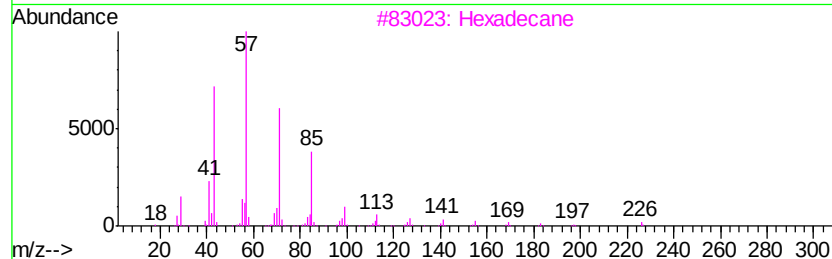
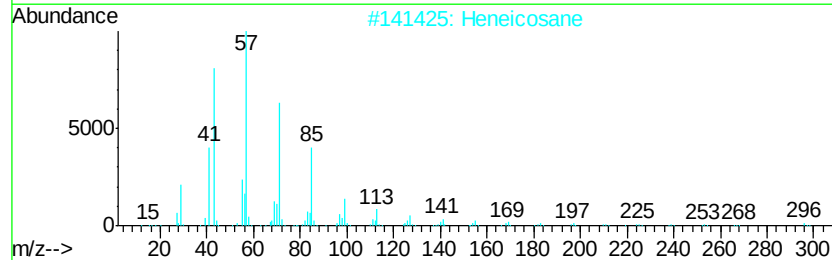
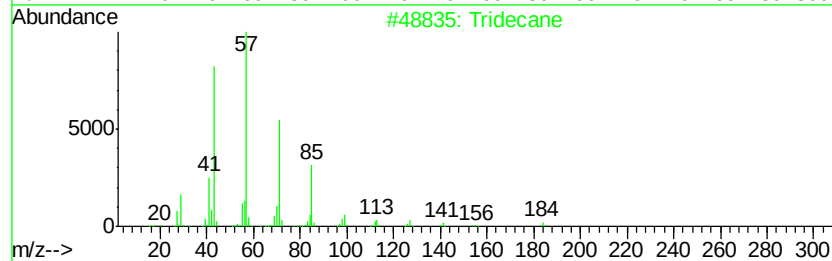
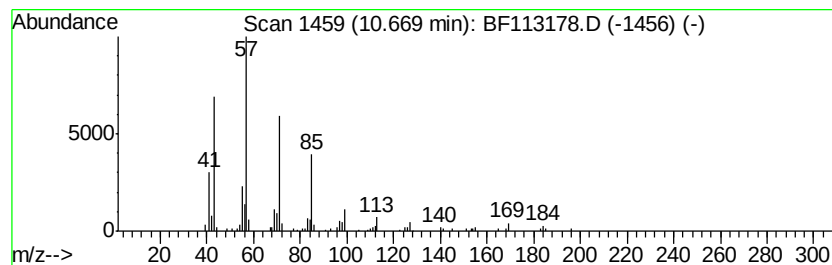
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Tridecane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.67 | 2.87 ng | 152708 | Phenanthrene-d10 | 11.24 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane    | 184 | C13H28  | 000629-50-5 | 91   |
| 2    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 90   |
| 4    |    | Pentadecane  | 212 | C15H32  | 000629-62-9 | 90   |
| 5    |    | Octadecane   | 254 | C18H38  | 000593-45-3 | 90   |



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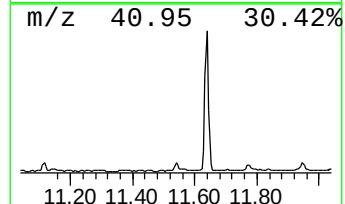
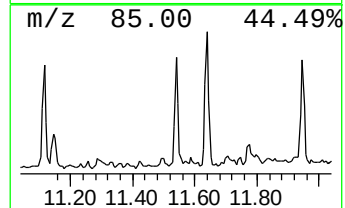
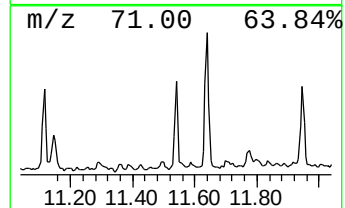
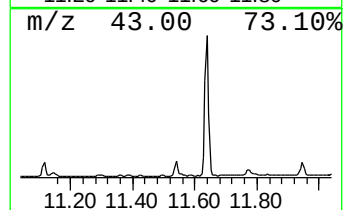
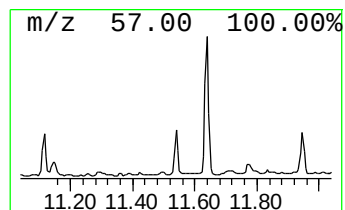
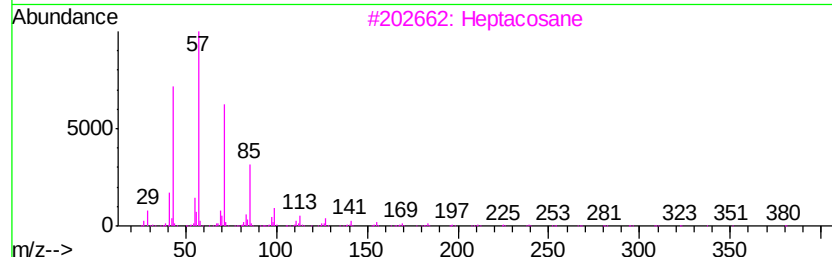
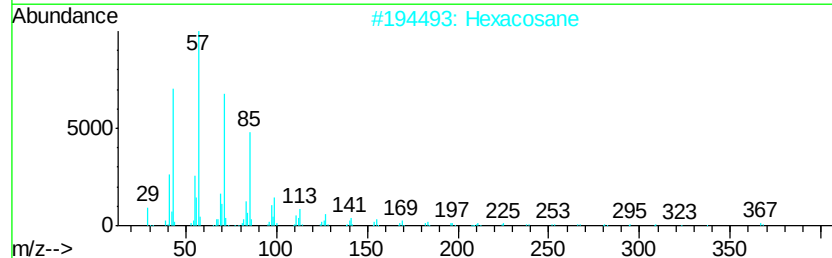
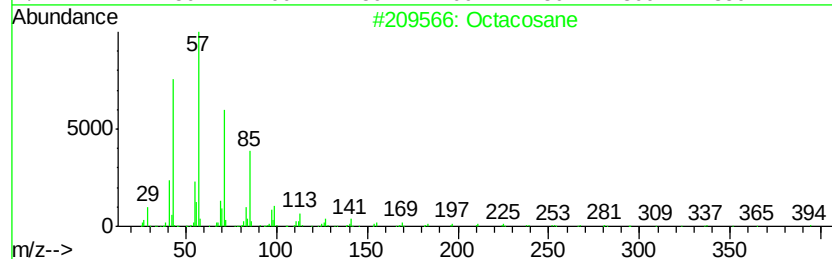
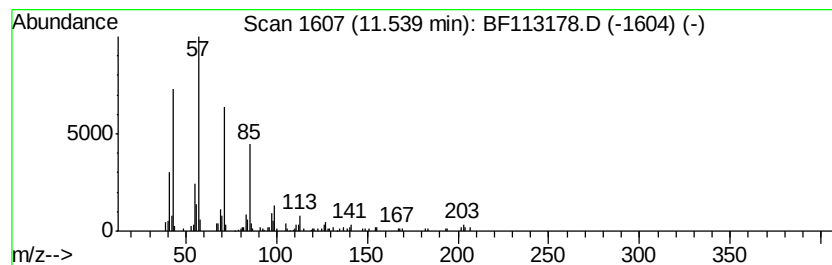
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octacosane Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.54 | 2.02 ng | 107290 | Phenanthrene-d10 | 11.24 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------------------|--------------|-----|---------|-------------|------|
| 1       | Octacosane                          |              | 394 | C28H58  | 000630-02-4 | 90   |
| 2       | Hexacosane                          |              | 366 | C26H54  | 000630-01-3 | 90   |
| 3       | Heptacosane                         |              | 380 | C27H56  | 000593-49-7 | 87   |
| 4       | Octadecane                          |              | 254 | C18H38  | 000593-45-3 | 87   |
| 5       | Heptadecane, 2,6,10,15-tetramethyl- |              | 296 | C21H44  | 054833-48-6 | 87   |



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ClientSampleId :  
JC-02-031919-D

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

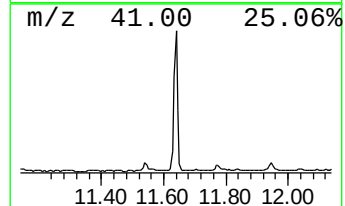
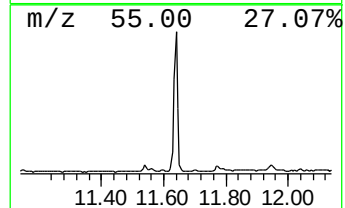
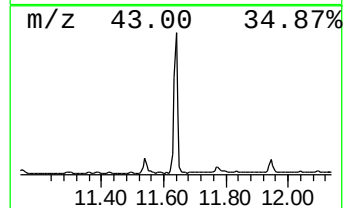
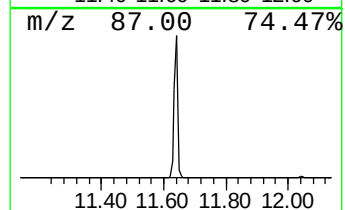
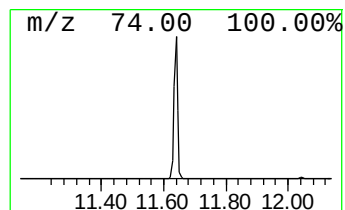
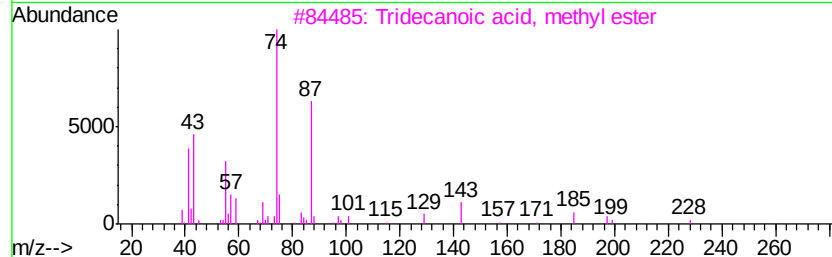
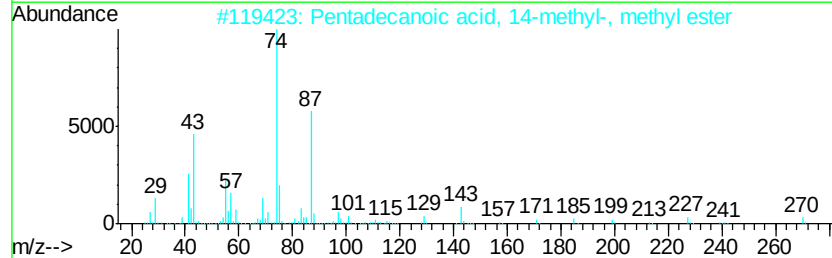
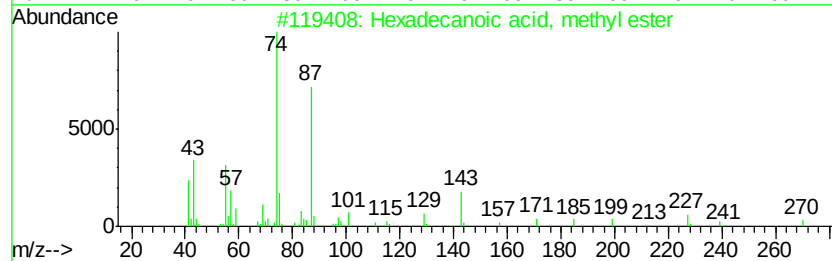
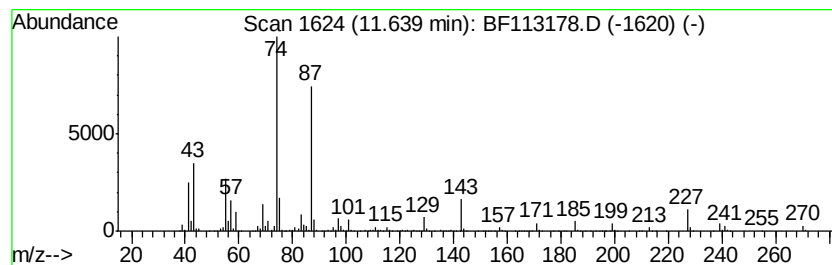
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.64 | 37.64 ng | 2000310 | Phenanthrene-d10 | 11.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 98   |
| 2    |    | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 96   |
| 3    |    | Tridecanoic acid, methyl ester      | 228 | C14H28O2 | 001731-88-0 | 90   |
| 4    |    | Decanoic acid, methyl ester         | 186 | C11H22O2 | 000110-42-9 | 87   |
| 5    |    | Pentadecanoic acid, methyl ester    | 256 | C16H32O2 | 007132-64-1 | 86   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032019\  
Data File : BF113178.D  
Acq On : 20 Mar 2019 18:33  
Operator : JU/SJ  
Sample : K1688-27 10X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

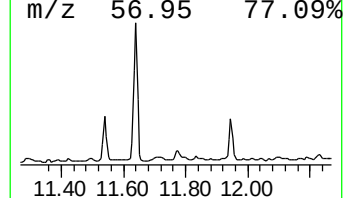
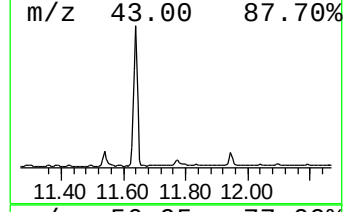
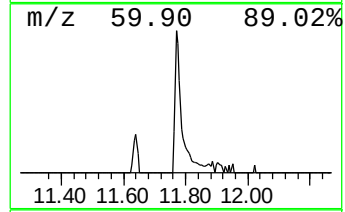
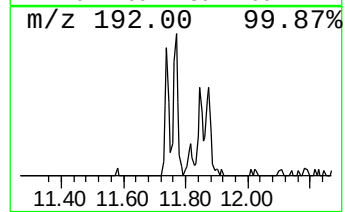
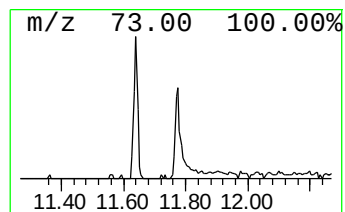
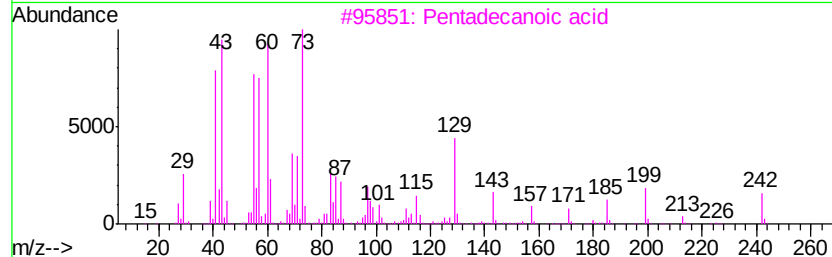
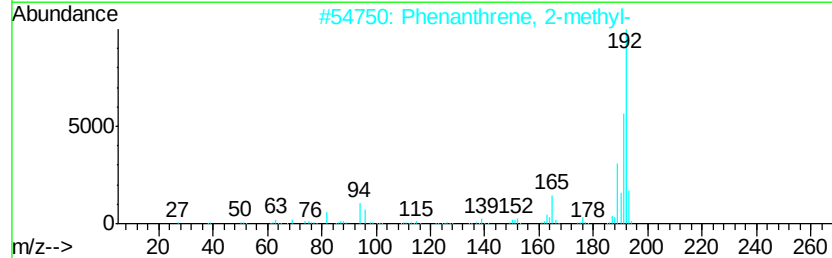
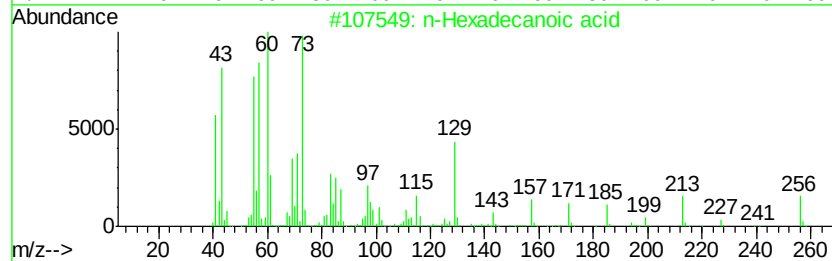
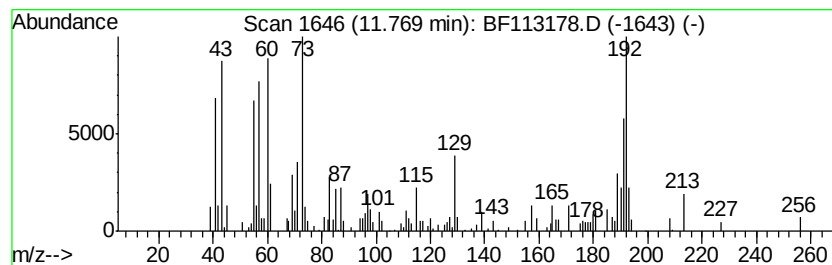
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ClientSampleId :  
JC-02-031919-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 n-Hexadecanoic acid Concentration Rank 10

| R.T.      | EstConc                 | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------|--------|------------------|-------------|-------|
| 11.77     | 2.33 ng                 | 123634 | Phenanthrene-d10 |             | 11.24 |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid     | 256    | C16H32O2         | 000057-10-3 | 64    |
| 2         | Phenanthrene, 2-methyl- | 192    | C15H12           | 002531-84-2 | 46    |
| 3         | Pentadecanoic acid      | 242    | C15H30O2         | 001002-84-2 | 46    |
| 4         | Anthracene, 9-methyl-   | 192    | C15H12           | 000779-02-2 | 42    |
| 5         | Anthracene, 1-methyl-   | 192    | C15H12           | 000610-48-0 | 38    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032019\  
Data File : BF113178.D  
Acq On : 20 Mar 2019 18:33  
Operator : JU/SJ  
Sample : K1688-27 10X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-031919-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

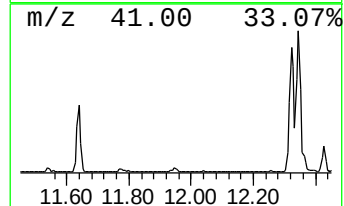
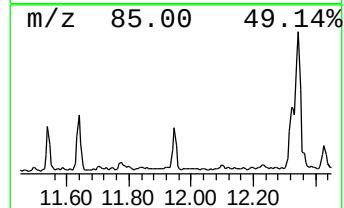
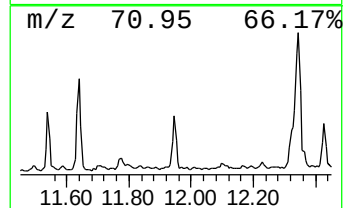
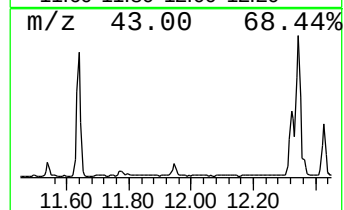
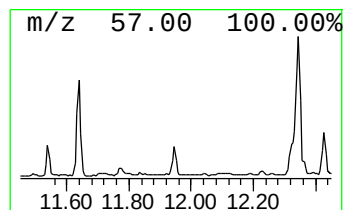
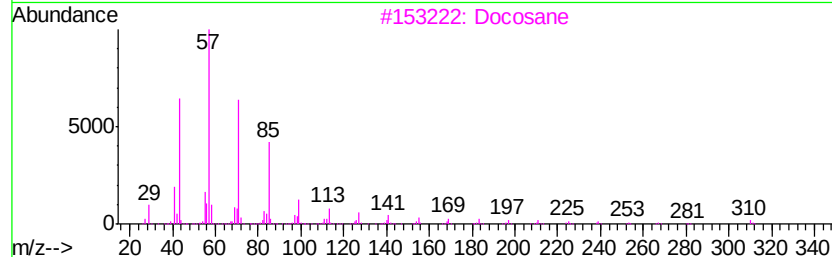
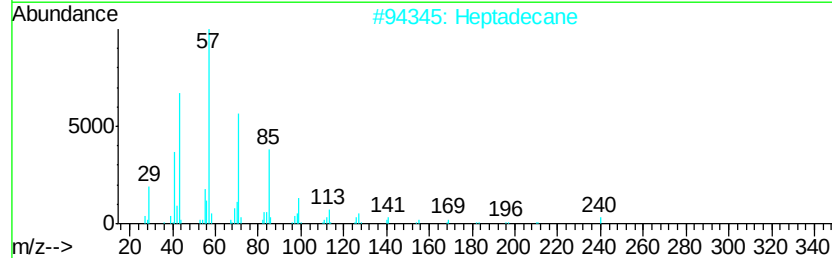
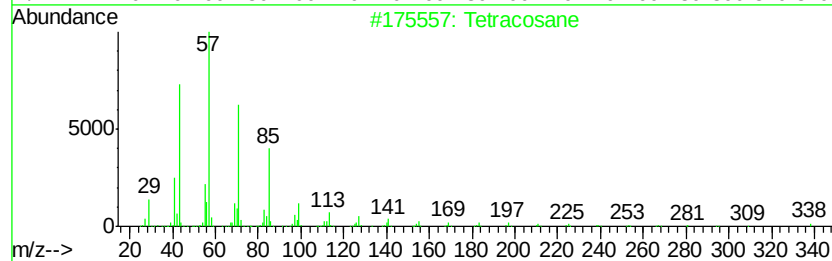
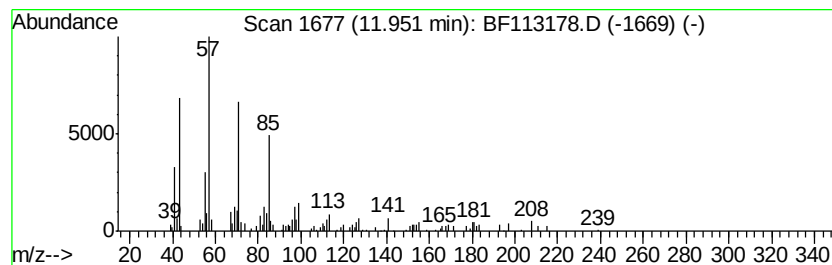
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Tetracosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.95 | 3.32 ng | 176416 | Phenanthrene-d10 | 11.24 |

| Hit# of 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|-----------|--------------|-----|---------|-------------|------|
| 1         | Tetracosane  | 338 | C24H50  | 000646-31-1 | 87   |
| 2         | Heptadecane  | 240 | C17H36  | 000629-78-7 | 87   |
| 3         | Docosane     | 310 | C22H46  | 000629-97-0 | 87   |
| 4         | Heneicosane  | 296 | C21H44  | 000629-94-7 | 87   |
| 5         | Heptacosane  | 380 | C27H56  | 000593-49-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032019\  
Data File : BF113178.D  
Acq On : 20 Mar 2019 18:33  
Operator : JU/SJ  
Sample : K1688-27 10X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-031919-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

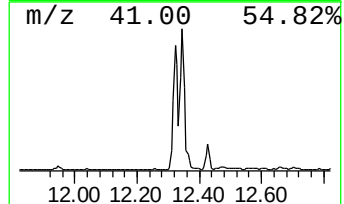
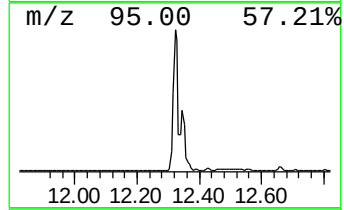
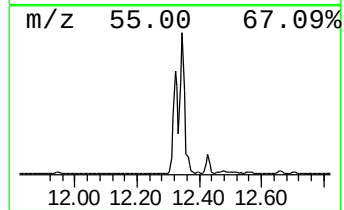
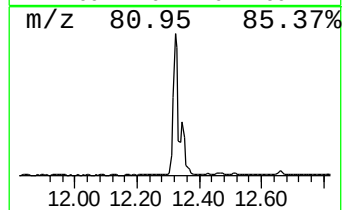
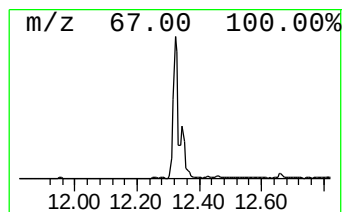
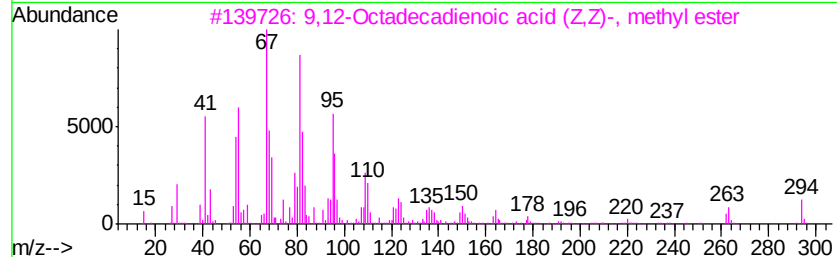
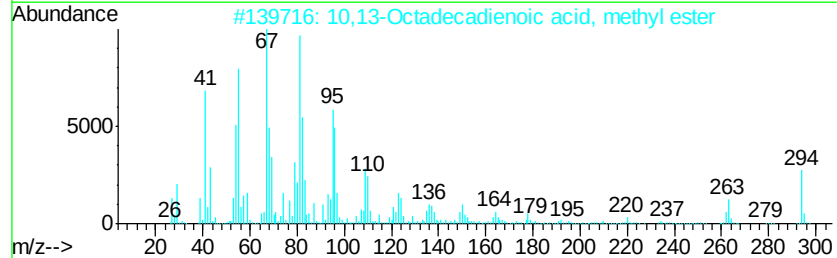
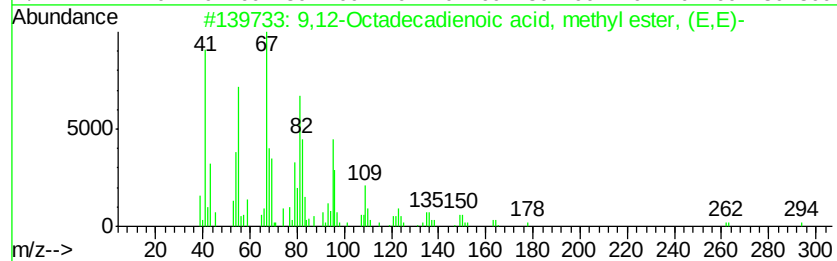
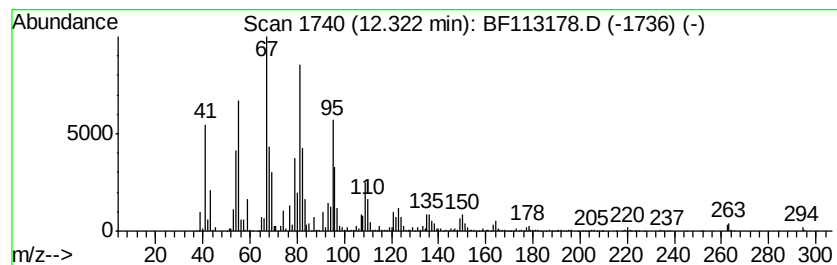
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 9,12-Octadecadienoic acid, ... Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.32 | 88.95 ng | 4727800 | Phenanthrene-d10 | 11.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4  | 99   |
| 2    |    | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2  | 99   |
| 3    |    | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0  | 99   |
| 4    |    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3  | 99   |
| 5    |    | Methyl 10-trans,12-cis-octadecad... | 294 | C19H34O2 | 1000336-44-2 | 98   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032019\  
Data File : BF113178.D  
Acq On : 20 Mar 2019 18:33  
Operator : JU/SJ  
Sample : K1688-27 10X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-031919-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

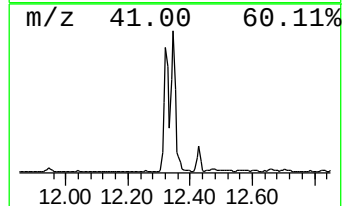
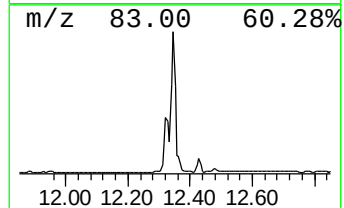
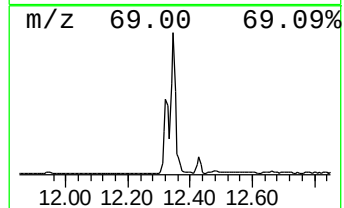
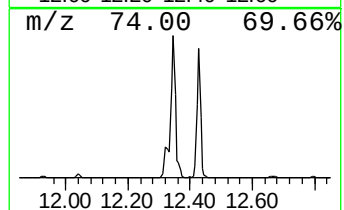
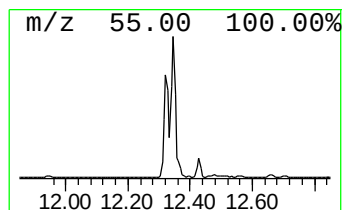
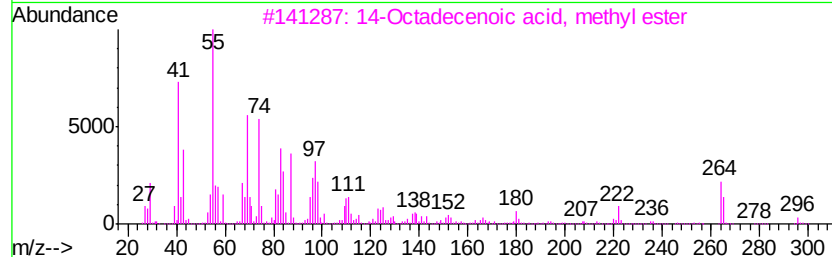
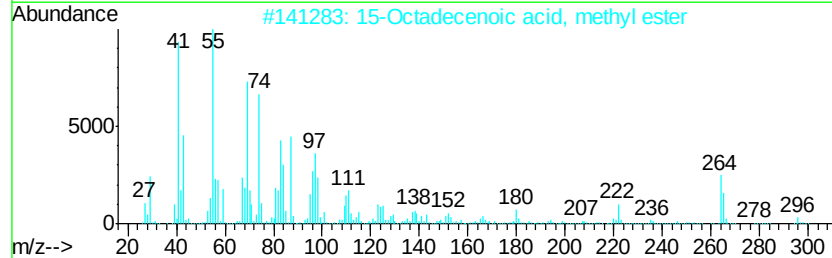
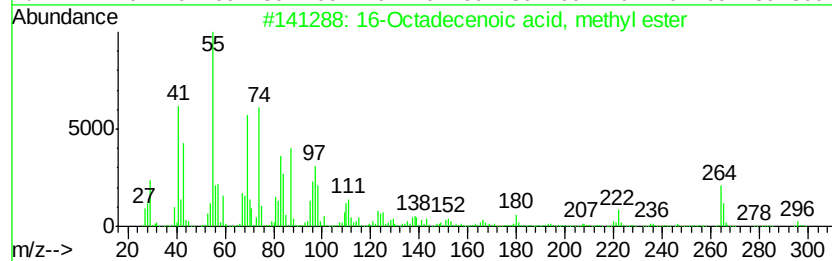
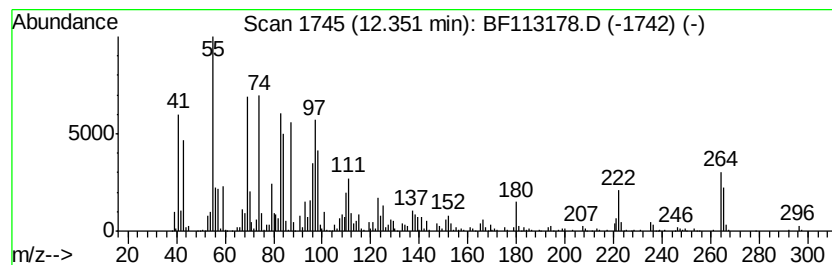
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 16-Octadecenoic acid, methyl ester Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.35 | 68.38 ng | 3634430 | Phenanthrene-d10 | 11.24 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 99   |
| 2    |    |   | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 99   |
| 3    |    |   | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 99   |
| 4    |    |   | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 99   |
| 5    |    |   | 6-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 052355-31-4 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032019\  
Data File : BF113178.D  
Acq On : 20 Mar 2019 18:33  
Operator : JU/SJ  
Sample : K1688-27 10X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleID :  
JC-02-031919-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

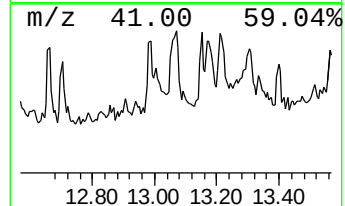
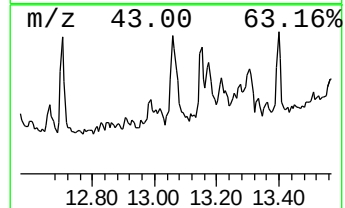
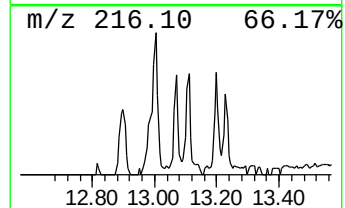
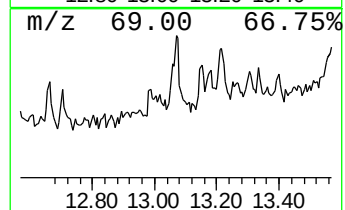
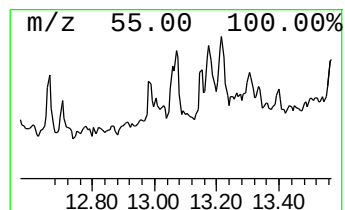
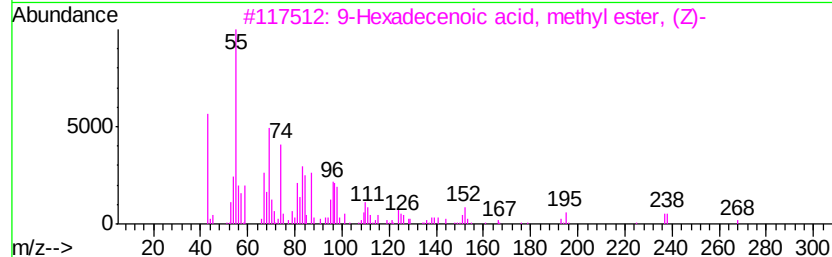
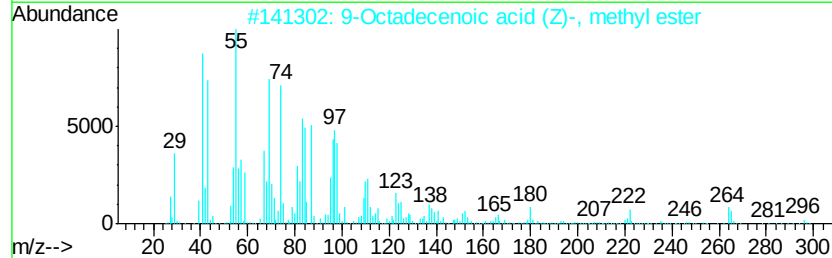
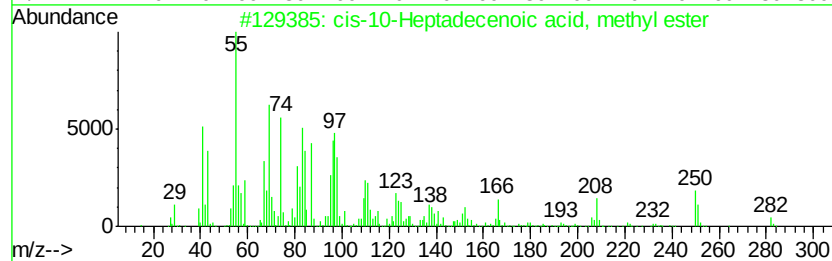
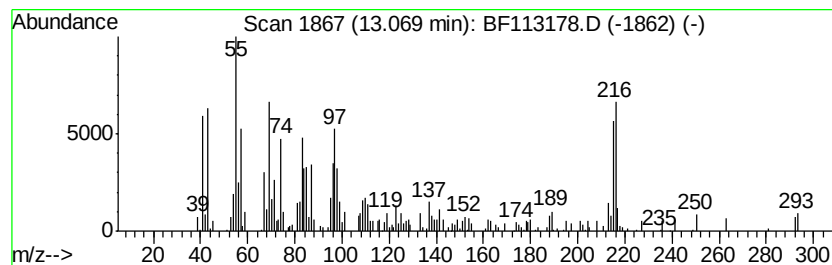
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 cis-10-Heptadecenoic acid, ... Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.07 | 2.54 ng | 152773 | Chrysene-d12     | 13.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | cis-10-Heptadecenoic acid, methy... | 282 | C18H34O2 | 1000333-62-1 | 53   |
| 2    |    | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9  | 53   |
| 3    |    | 9-Hexadecenoic acid, methyl este... | 268 | C17H32O2 | 001120-25-8  | 49   |
| 4    |    | Cyclopropaneoctanoic acid, 2-hex... | 282 | C18H34O2 | 010152-61-1  | 46   |
| 5    |    | Pyrene, 1-methyl-                   | 216 | C17H12   | 002381-21-7  | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032019\  
Data File : BF113178.D  
Acq On : 20 Mar 2019 18:33  
Operator : JU/SJ  
Sample : K1688-27 10X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-031919-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

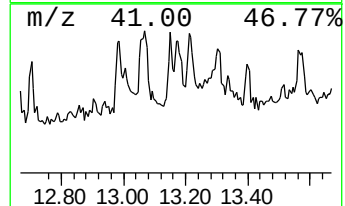
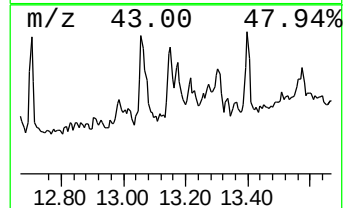
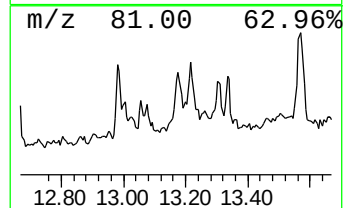
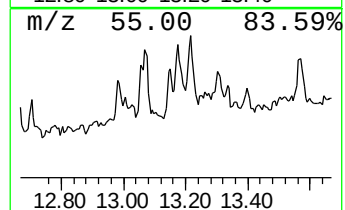
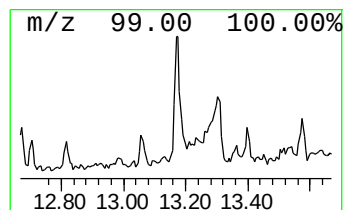
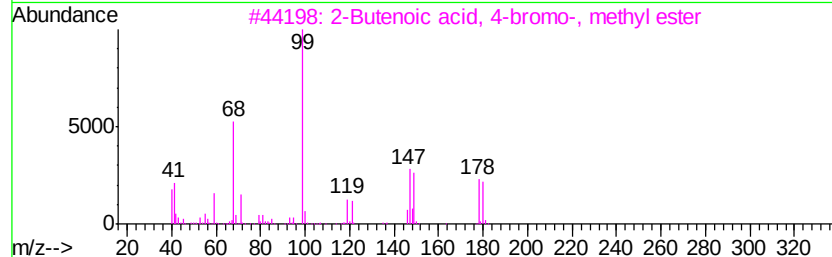
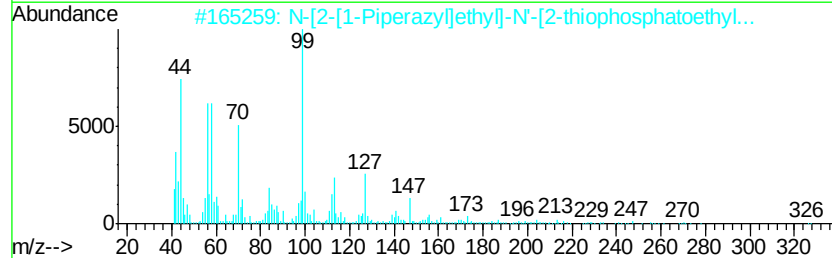
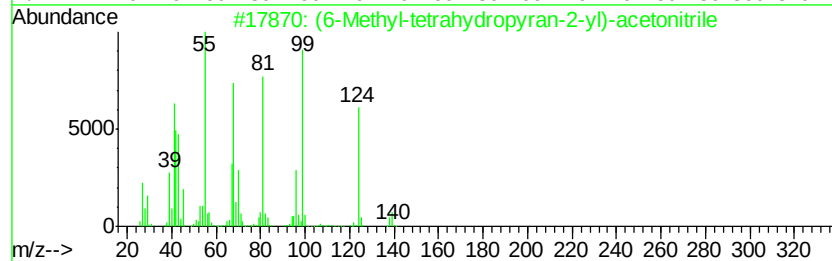
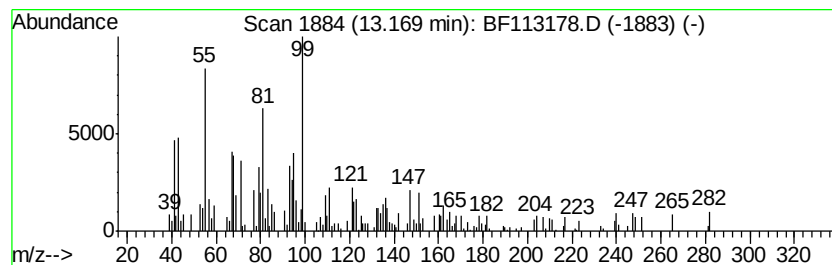
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 unknown13.17 Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.17 | 2.07 ng | 124796 | Chrysene-d12     | 13.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|-------------------------------------|-----|--------------|--------------|------|
| 1    | 5  | (6-Methyl-tetrahydropyran-2-yl)-... | 139 | C8H13NO      | 343868-07-5  | 38   |
| 2    |    | N-[2-[1-Piperazyl]ethyl]-N'-[2-t... | 326 | C11H27N4O3PS | 062220-23-9  | 25   |
| 3    |    | 2-Butenoic acid, 4-bromo-, methy... | 178 | C5H7BrO2     | 001117-71-1  | 25   |
| 4    |    | Hexanoic acid, 3-fluorophenyl ester | 210 | C12H15FO2    | 1000330-93-1 | 25   |
| 5    |    | Cyclohexanol, 1-(1,2-propadienyl)-  | 138 | C9H14O       | 034761-56-3  | 22   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032019\  
Data File : BF113178.D  
Acq On : 20 Mar 2019 18:33  
Operator : JU/SJ  
Sample : K1688-27 10X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-031919-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

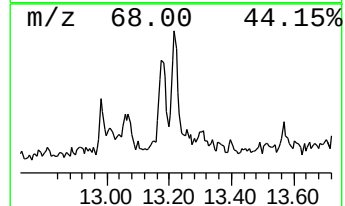
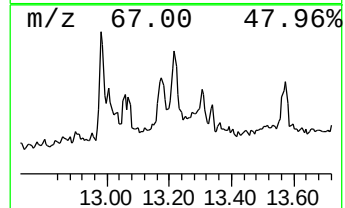
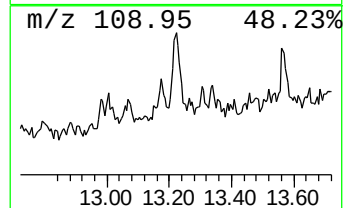
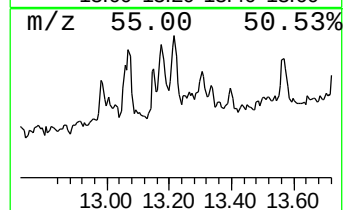
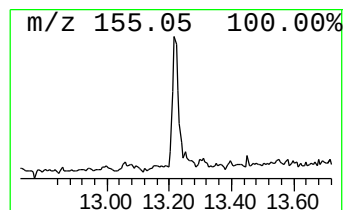
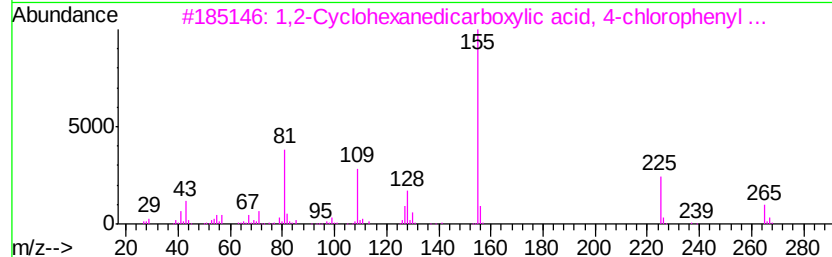
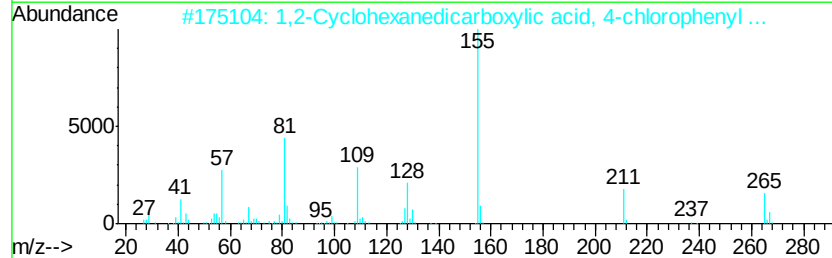
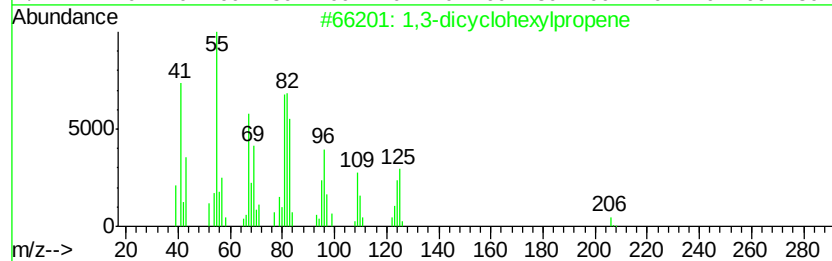
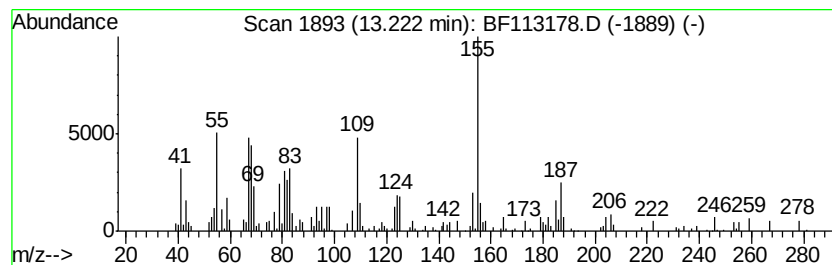
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 unknown13.22 Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.22 | 2.39 ng | 143738 | Chrysene-d12     | 13.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 1,3-dicyclohexylpropene             | 206 | C15H26     | 1000214-96-8 | 48   |
| 2    |    | 1,2-Cyclohexanedicarboxylic acid... | 338 | C18H23ClO4 | 1000339-68-0 | 38   |
| 3    |    | 1,2-Cyclohexanedicarboxylic acid... | 352 | C19H25ClO4 | 1000339-68-2 | 38   |
| 4    |    | 1,2-Cyclohexanedicarboxylic acid... | 352 | C19H25ClO4 | 1000339-68-6 | 38   |
| 5    |    | 2-Amino-4,6-dimethoxypyrimidine     | 155 | C6H9N3O2   | 036315-01-2  | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032019\  
Data File : BF113178.D  
Acq On : 20 Mar 2019 18:33  
Operator : JU/SJ  
Sample : K1688-27 10X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

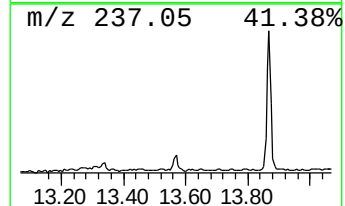
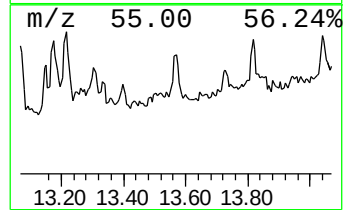
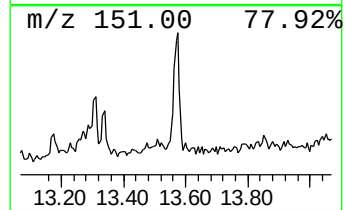
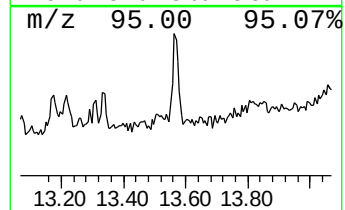
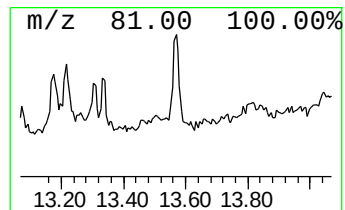
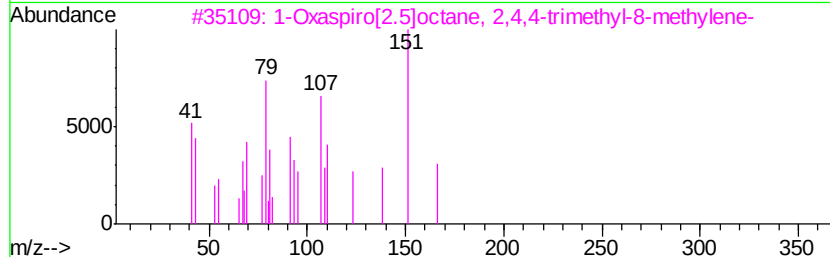
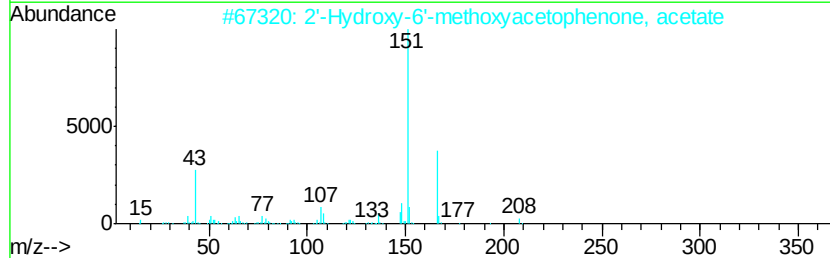
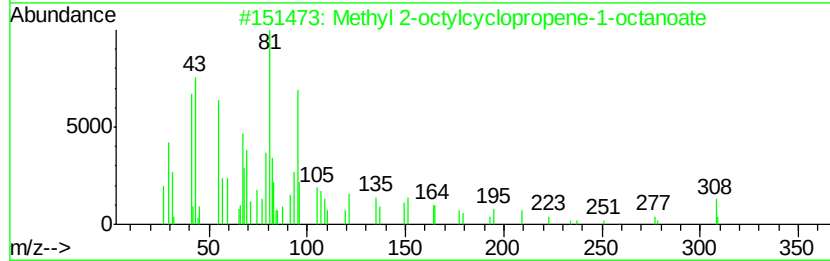
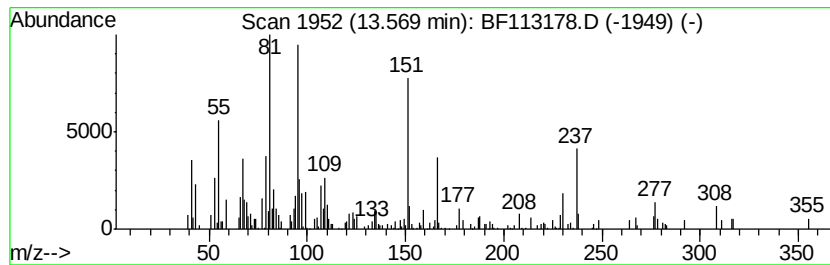
Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-031919-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.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 14 Methyl 2-octylcyclopropene-... Concentration Rank 12

| R.T.    | EstConc | Area                                | Relative to ISTD |             | R.T.         |      |
|---------|---------|-------------------------------------|------------------|-------------|--------------|------|
| 13.57   | 2.04 ng | 123104                              | Chrysene-d12     |             | 13.87        |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |         | Methyl 2-octylcyclopropene-1-oct... | 308              | C20H36O2    | 003220-60-8  | 60   |
| 2       |         | 2'-Hydroxy-6'-methoxyacetophenon... | 208              | C11H12O4    | 1000352-92-5 | 47   |
| 3       |         | 1-Oxaspiro[2.5]octane, 2,4,4-tri... | 166              | C11H18O     | 054345-62-9  | 38   |
| 4       |         | Tricyclo[4.3.1.1(3,8)]undecan-3-ol  | 166              | C11H18O     | 014504-80-4  | 35   |
| 5       |         | 3,4-Dimethoxyphenylethylamine, N... | 277              | C12H14F3N03 | 013230-71-2  | 35   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032019\  
 Data File : BF113178.D  
 Acq On : 20 Mar 2019 18:33  
 Operator : JU/SJ  
 Sample : K1688-27 10X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-031919-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.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 |
| unknown6.49          | 6.49  | 6.7     | ng    | 221858   | 1                       | 6.72  | 666985  | 20.0 |
| Hexadecane           | 10.20 | 2.0     | ng    | 112727   | 3                       | 9.76  | 1103620 | 20.0 |
| Tridecane            | 10.67 | 2.9     | ng    | 152708   | 4                       | 11.24 | 1062970 | 20.0 |
| Octacosane           | 11.54 | 2.0     | ng    | 107290   | 4                       | 11.24 | 1062970 | 20.0 |
| Hexadecanoic acid... | 11.64 | 37.6    | ng    | 2000310  | 4                       | 11.24 | 1062970 | 20.0 |
| n-Hexadecanoic acid  | 11.77 | 2.3     | ng    | 123634   | 4                       | 11.24 | 1062970 | 20.0 |
| Tetracosane          | 11.95 | 3.3     | ng    | 176416   | 4                       | 11.24 | 1062970 | 20.0 |
| 9,12-Octadecadien... | 12.32 | 89.0    | ng    | 4727800  | 4                       | 11.24 | 1062970 | 20.0 |
| 16-Octadecenoic a... | 12.35 | 68.4    | ng    | 3634430  | 4                       | 11.24 | 1062970 | 20.0 |
| cis-10-Heptadecen... | 13.07 | 2.5     | ng    | 152773   | 5                       | 13.87 | 1204260 | 20.0 |
| unknown13.17         | 13.17 | 2.1     | ng    | 124796   | 5                       | 13.87 | 1204260 | 20.0 |
| unknown13.22         | 13.22 | 2.4     | ng    | 143738   | 5                       | 13.87 | 1204260 | 20.0 |
| Methyl 2-octylcyc... | 13.57 | 2.0     | ng    | 123104   | 5                       | 13.87 | 1204260 | 20.0 |