

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF042219\  
 Data File : BF113897.D  
 Acq On : 23 Apr 2019 00:02  
 Operator : JU/SJ  
 Sample : K2202-01 2X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SA-06-041819-A

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-BF042219.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         | 2.175       | 12            | 15          | 28           | rVB      | 29764          | 54234         | 1.51%           | 0.142%        |
| 2         | 5.516       | 579           | 583         | 596          | rVB      | 2110005        | 1906465       | 52.97%          | 4.990%        |
| 3         | 6.516       | 749           | 753         | 763          | rBV      | 1912916        | 1910031       | 53.07%          | 4.999%        |
| 4         | 6.663       | 774           | 778         | 782          | rBV      | 2157136        | 2018036       | 56.07%          | 5.282%        |
| 5         | 6.898       | 814           | 818         | 821          | rBV      | 1428034        | 1101238       | 30.60%          | 2.882%        |
| 6         | 7.057       | 841           | 845         | 848          | rBV      | 1697953        | 1547689       | 43.00%          | 4.051%        |
| 7         | 7.451       | 908           | 912         | 915          | rBV      | 1397864        | 1119081       | 31.09%          | 2.929%        |
| 8         | 8.180       | 1031          | 1036        | 1039         | rBV      | 1440862        | 1303755       | 36.22%          | 3.412%        |
| 9         | 8.775       | 1134          | 1137        | 1141         | rBV      | 60566          | 55079         | 1.53%           | 0.144%        |
| 10        | 9.251       | 1214          | 1218        | 1221         | rBV      | 2629182        | 2065906       | 57.40%          | 5.407%        |
| 11        | 9.339       | 1229          | 1233        | 1237         | rBV2     | 90244          | 90307         | 2.51%           | 0.236%        |
| 12        | 9.639       | 1281          | 1284        | 1289         | rVB      | 347218         | 289283        | 8.04%           | 0.757%        |
| 13        | 9.792       | 1307          | 1310        | 1315         | rBV      | 42185          | 49987         | 1.39%           | 0.131%        |
| 14        | 9.869       | 1315          | 1323        | 1326         | rBV      | 109437         | 108475        | 3.01%           | 0.284%        |
| 15        | 9.933       | 1330          | 1334        | 1337         | rVV      | 1686892        | 1375323       | 38.21%          | 3.600%        |
| 16        | 10.369      | 1405          | 1408        | 1410         | rVB      | 99036          | 85665         | 2.38%           | 0.224%        |
| 17        | 10.474      | 1424          | 1426        | 1433         | rBV      | 38097          | 48478         | 1.35%           | 0.127%        |
| 18        | 10.586      | 1439          | 1445        | 1451         | rBV      | 46602          | 68975         | 1.92%           | 0.181%        |
| 19        | 10.716      | 1463          | 1467        | 1472         | rBV      | 1640323        | 1439672       | 40.00%          | 3.768%        |
| 20        | 10.839      | 1485          | 1488        | 1497         | rVB      | 132315         | 154914        | 4.30%           | 0.405%        |
| 21        | 11.286      | 1561          | 1564        | 1567         | rBV2     | 111405         | 94782         | 2.63%           | 0.248%        |
| 22        | 11.316      | 1567          | 1569        | 1575         | rVB2     | 66516          | 70509         | 1.96%           | 0.185%        |
| 23        | 11.416      | 1582          | 1586        | 1589         | rBV      | 1730171        | 1626685       | 45.20%          | 4.258%        |
| 24        | 11.439      | 1589          | 1590        | 1593         | rVV      | 413110         | 254683        | 7.08%           | 0.667%        |
| 25        | 11.492      | 1596          | 1599        | 1602         | rVB      | 100301         | 88777         | 2.47%           | 0.232%        |
| 26        | 11.716      | 1633          | 1637        | 1639         | rBV      | 106697         | 105780        | 2.94%           | 0.277%        |
| 27        | 11.810      | 1649          | 1653        | 1656         | rBV      | 1598182        | 1213117       | 33.71%          | 3.175%        |
| 28        | 11.916      | 1669          | 1671        | 1673         | rBV      | 61428          | 58018         | 1.61%           | 0.152%        |
| 29        | 11.939      | 1673          | 1675        | 1682         | rVB2     | 406186         | 400152        | 11.12%          | 1.047%        |
| 30        | 12.027      | 1687          | 1690        | 1693         | rBV      | 118904         | 130381        | 3.62%           | 0.341%        |
| 31        | 12.121      | 1699          | 1706        | 1710         | rBV2     | 100135         | 139228        | 3.87%           | 0.364%        |
| 32        | 12.216      | 1719          | 1722        | 1723         | rBV      | 64280          | 61720         | 1.71%           | 0.162%        |
| 33        | 12.468      | 1762          | 1765        | 1767         | rBV      | 59196          | 64671         | 1.80%           | 0.169%        |
| 34        | 12.498      | 1767          | 1770        | 1772         | rBV      | 3837860        | 3599172       | 100.00%         | 9.420%        |

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SA-06-041819-A

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-BF042219.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.521 | 1772 | 1774 | 1777 | rVB  | 4350519 | 3285044 | 91.27% | 8.598% |
| 36 | 12.604 | 1784 | 1788 | 1790 | rBV  | 688352  | 577886  | 16.06% | 1.513% |
| 37 | 12.627 | 1790 | 1792 | 1795 | rVV  | 922987  | 806910  | 22.42% | 2.112% |
| 38 | 12.651 | 1795 | 1796 | 1799 | rVB3 | 128296  | 77286   | 2.15%  | 0.202% |
| 39 | 12.727 | 1806 | 1809 | 1812 | rBV2 | 133293  | 124104  | 3.45%  | 0.325% |
| 40 | 12.839 | 1825 | 1828 | 1829 | rBV2 | 233044  | 227022  | 6.31%  | 0.594% |
| 41 | 12.857 | 1829 | 1831 | 1834 | rVB  | 752711  | 617951  | 17.17% | 1.617% |
| 42 | 12.998 | 1852 | 1855 | 1859 | rVB  | 2765795 | 2448589 | 68.03% | 6.409% |
| 43 | 13.163 | 1880 | 1883 | 1885 | rBV  | 144814  | 144245  | 4.01%  | 0.378% |
| 44 | 13.186 | 1885 | 1887 | 1890 | rVV  | 205301  | 191554  | 5.32%  | 0.501% |
| 45 | 13.251 | 1893 | 1898 | 1901 | rVV2 | 224397  | 277526  | 7.71%  | 0.726% |
| 46 | 13.292 | 1902 | 1905 | 1908 | rVV2 | 80994   | 103028  | 2.86%  | 0.270% |
| 47 | 13.327 | 1909 | 1911 | 1913 | rVB  | 100779  | 77800   | 2.16%  | 0.204% |
| 48 | 14.057 | 2030 | 2035 | 2037 | rBV2 | 1909686 | 2126507 | 59.08% | 5.566% |
| 49 | 14.080 | 2037 | 2039 | 2042 | rVB  | 388566  | 287939  | 8.00%  | 0.754% |
| 50 | 15.098 | 2209 | 2212 | 2222 | rVB  | 311100  | 618655  | 17.19% | 1.619% |
| 51 | 15.468 | 2273 | 2275 | 2280 | rVB  | 264606  | 272068  | 7.56%  | 0.712% |
| 52 | 15.539 | 2282 | 2287 | 2290 | rBV  | 979657  | 1242752 | 34.53% | 3.253% |

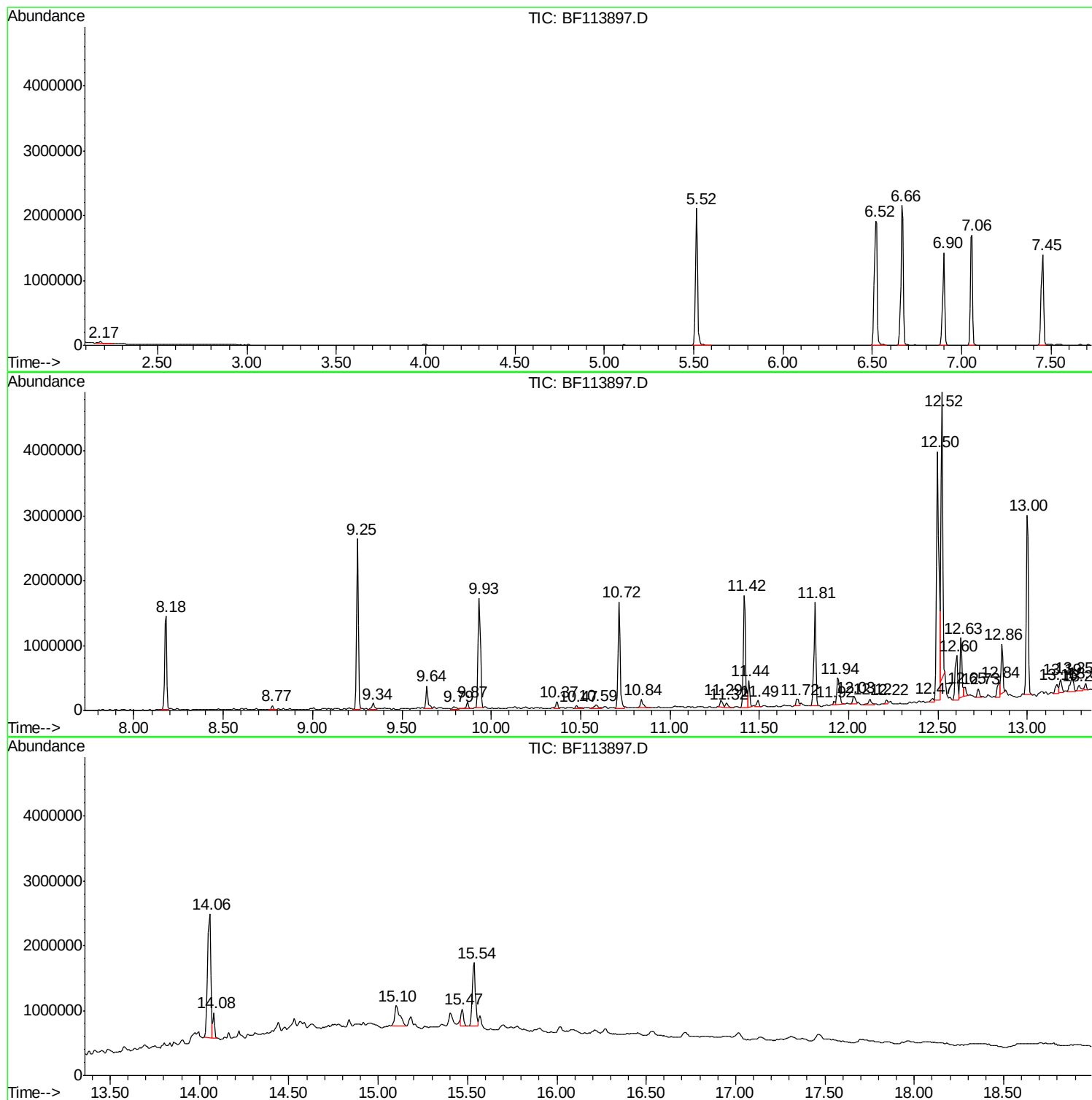
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Misc :  
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Instrument :  
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ClientSampleId :  
SA-06-041819-A

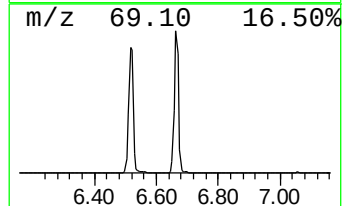
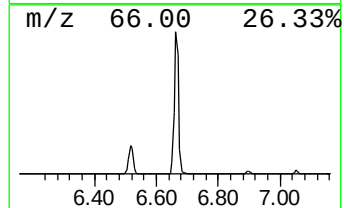
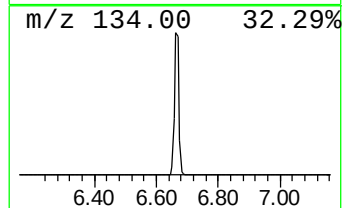
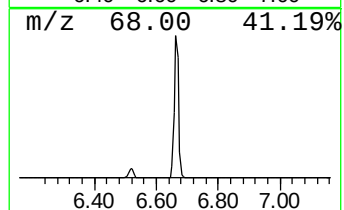
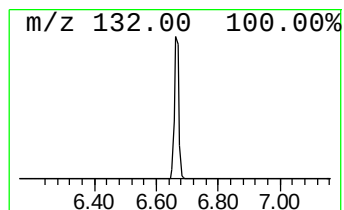
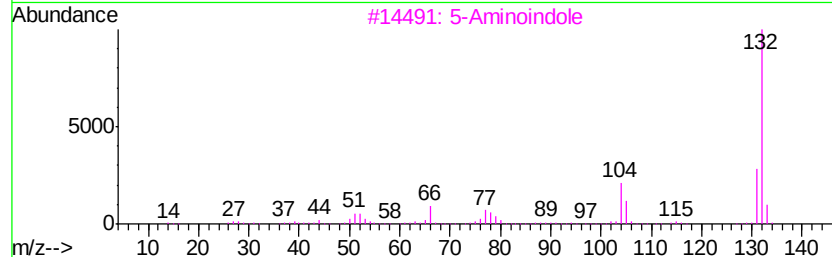
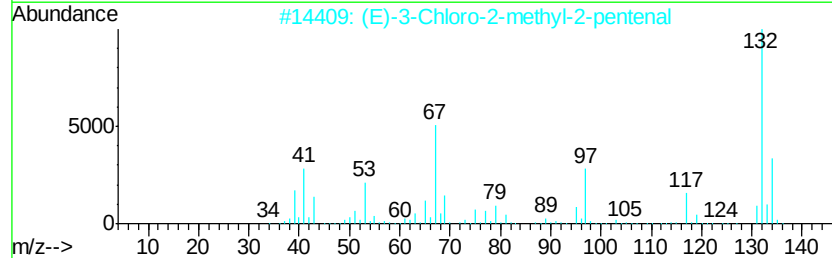
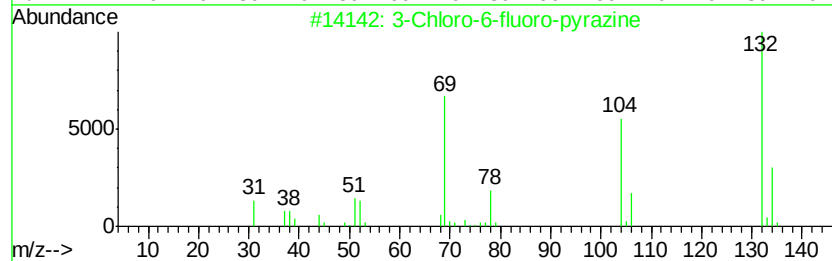
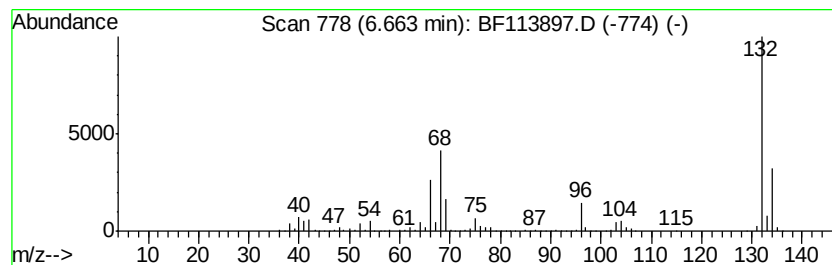
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.66 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.66 | 36.65 ng | 2018040 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3  | 9    |



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ALS Vial : 15 Sample Multiplier: 1

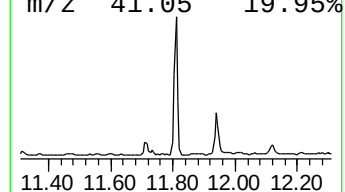
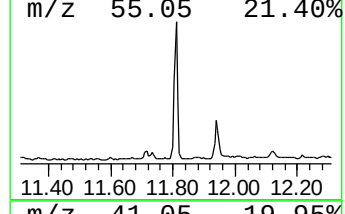
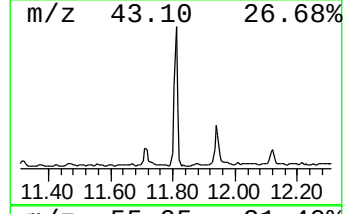
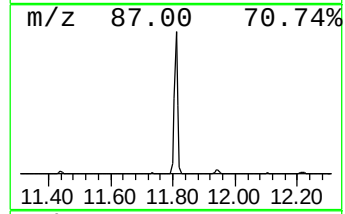
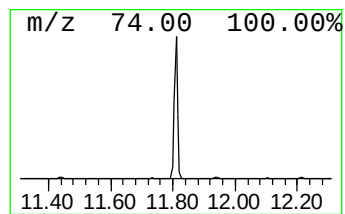
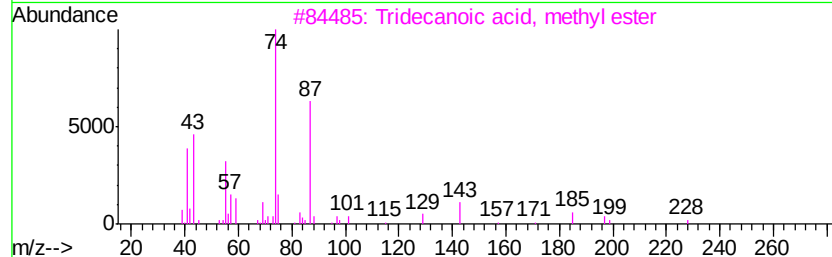
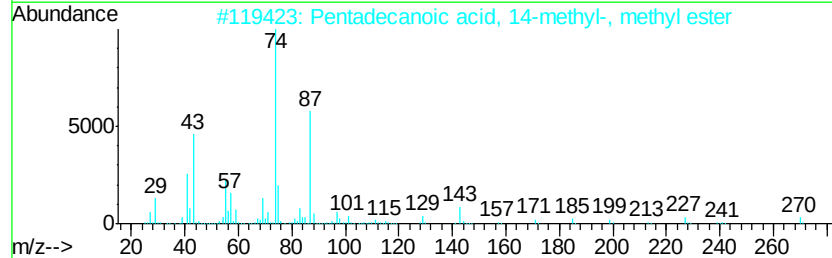
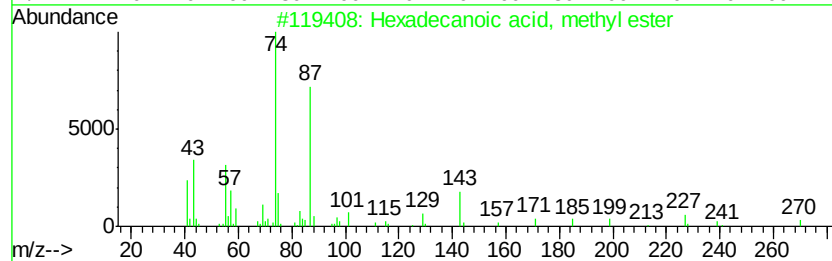
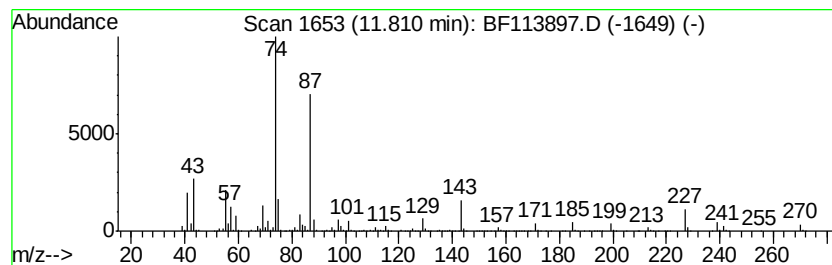
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Hexadecanoic acid, methyl e... Concentration Rank 5

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 11.81     | 14.92 ng                            | 1213120 | Phenanthrene-d10 | 11.42       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | Hexadecanoic acid, methyl ester     | 270     | C17H34O2         | 000112-39-0 | 98   |
| 2         | Pentadecanoic acid, 14-methyl-, ... | 270     | C17H34O2         | 005129-60-2 | 93   |
| 3         | Tridecanoic acid, methyl ester      | 228     | C14H28O2         | 001731-88-0 | 91   |
| 4         | Pentadecanoic acid, methyl ester    | 256     | C16H32O2         | 007132-64-1 | 86   |
| 5         | Hexadecanoic acid, 2-methyl-        | 270     | C17H34O2         | 027147-71-3 | 80   |



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ALS Vial : 15 Sample Multiplier: 1

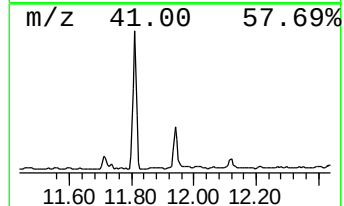
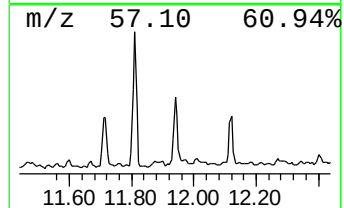
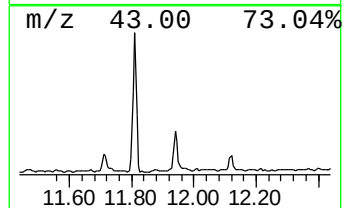
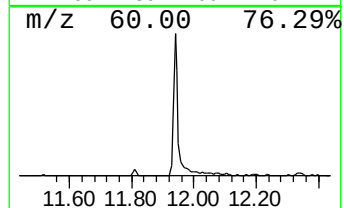
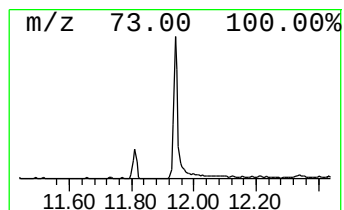
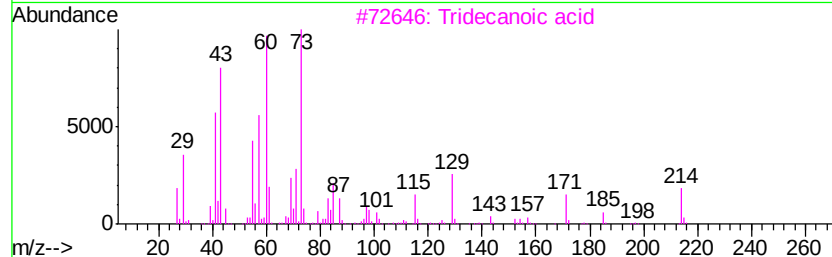
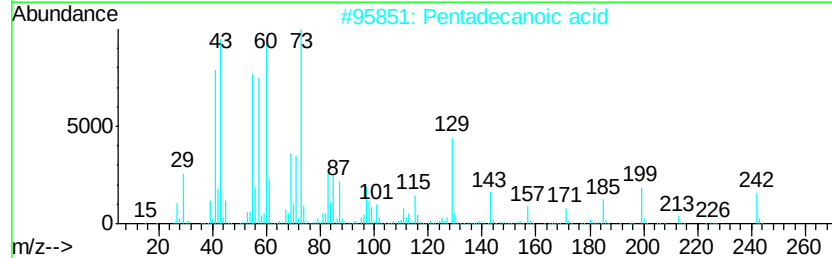
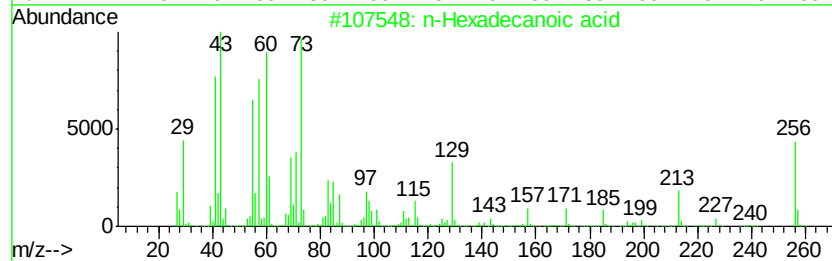
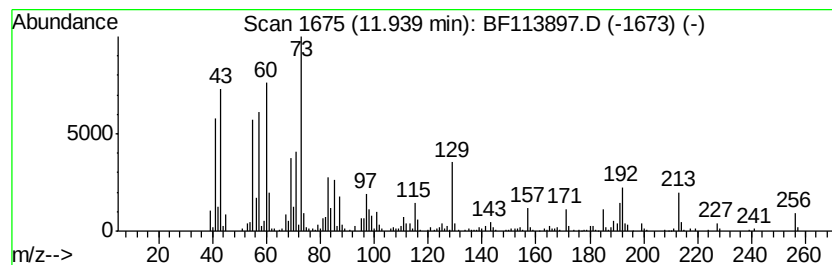
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 11.94     | 4.92 ng                             | 400152 | Phenanthrene-d10 | 11.42        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | n-Hexadecanoic acid                 | 256    | C16H32O2         | 000057-10-3  | 98   |
| 2         | Pentadecanoic acid                  | 242    | C15H30O2         | 001002-84-2  | 76   |
| 3         | Tridecanoic acid                    | 214    | C13H26O2         | 000638-53-9  | 64   |
| 4         | Dodecanoic acid                     | 200    | C12H24O2         | 000143-07-7  | 49   |
| 5         | Sulfurous acid, octadecyl 2-prop... | 376    | C21H44O3S        | 1000309-12-7 | 20   |



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Misc :  
ALS Vial : 15 Sample Multiplier: 1

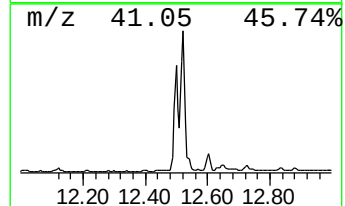
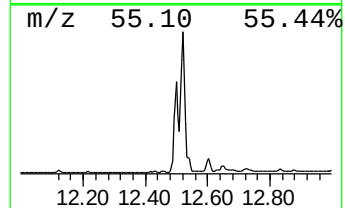
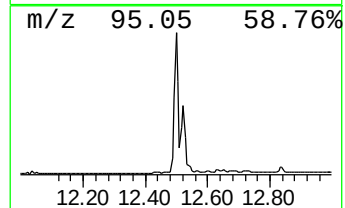
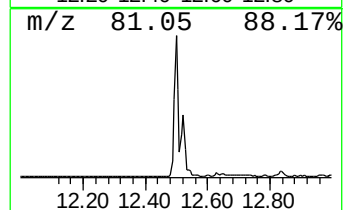
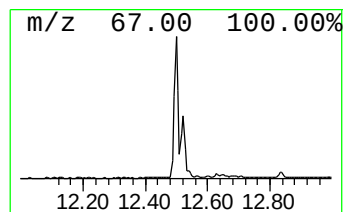
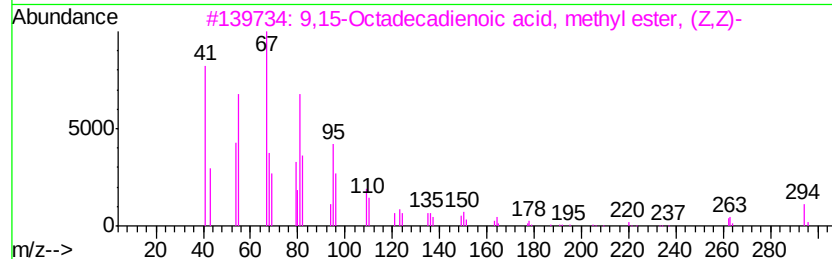
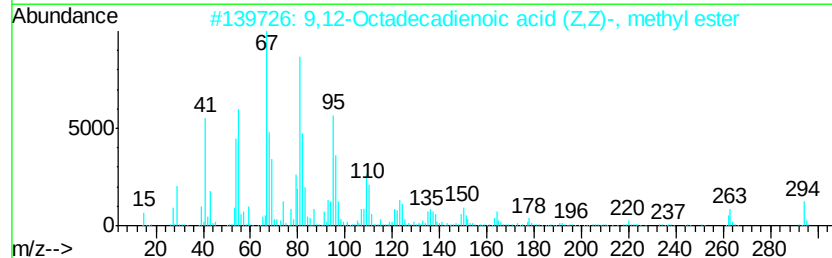
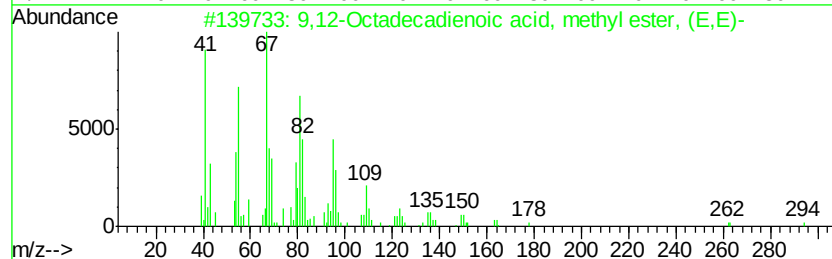
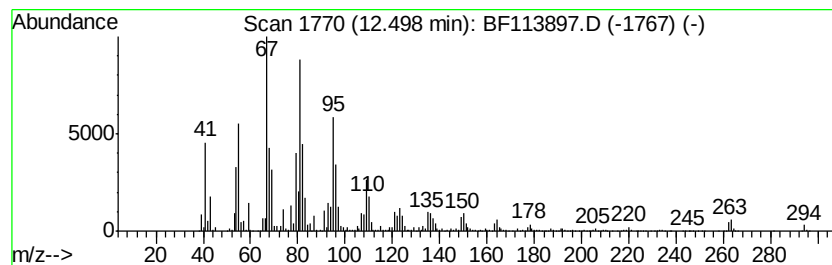
Instrument :  
BNA\_F  
ClientSampleId :  
SA-06-041819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042219.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 5 9,12-Octadecadienoic acid, ... Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 12.50   | 44.25 ng                            | 3599170      | Phenanthrene-d10 | 11.42     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 9,12-Octadecadienoic acid, methy... | 294 C19H34O2 | 002566-97-4      | 99        |
| 2       | 9,12-Octadecadienoic acid (Z,Z)-... | 294 C19H34O2 | 000112-63-0      | 99        |
| 3       | 9,15-Octadecadienoic acid, methy... | 294 C19H34O2 | 017309-05-6      | 99        |
| 4       | 11,14-Octadecadienoic acid, meth... | 294 C19H34O2 | 056554-61-1      | 99        |
| 5       | 10,13-Octadecadienoic acid, meth... | 294 C19H34O2 | 056554-62-2      | 98        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF042219\  
Data File : BF113897.D  
Acq On : 23 Apr 2019 00:02  
Operator : JU/SJ  
Sample : K2202-01 2X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

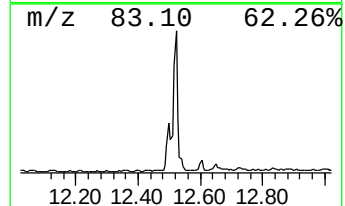
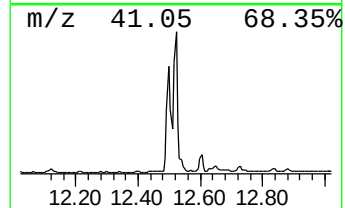
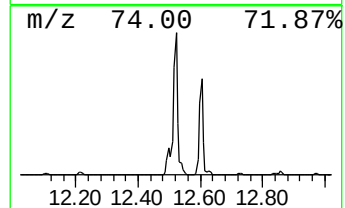
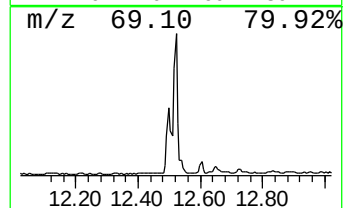
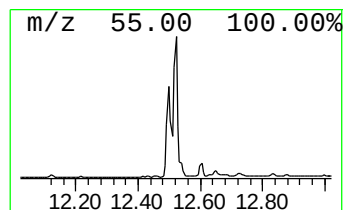
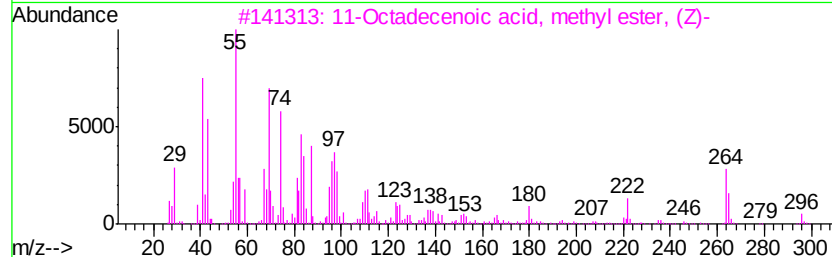
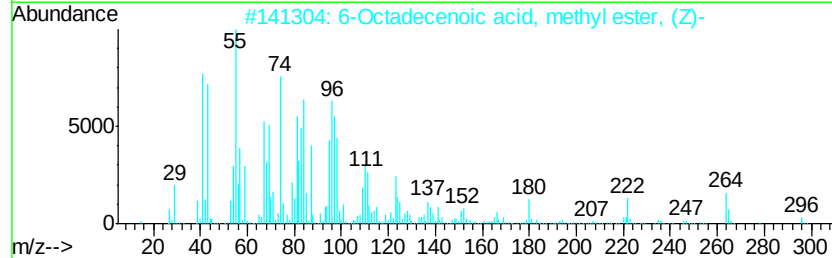
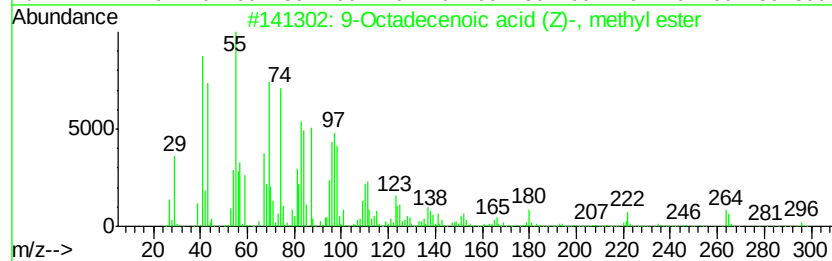
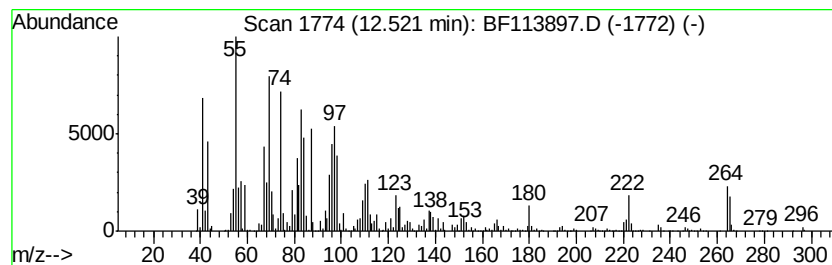
Instrument :  
BNA\_F  
ClientSampled :  
SA-06-041819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042219.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 6 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.     |             |      |
|---------|----------|-------------------------------------|------------------|----------|-------------|------|
| 12.52   | 40.39 ng | 3285040                             | Phenanthrene-d10 | 11.42    |             |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm  | CAS#        | Qual |
| 1       |          | 9-Octadecenoic acid (Z)-, methyl... | 296              | C19H36O2 | 000112-62-9 | 99   |
| 2       |          | 6-Octadecenoic acid, methyl este... | 296              | C19H36O2 | 002777-58-4 | 99   |
| 3       |          | 11-Octadecenoic acid, methyl est... | 296              | C19H36O2 | 001937-63-9 | 99   |
| 4       |          | 16-Octadecenoic acid, methyl ester  | 296              | C19H36O2 | 056554-49-5 | 99   |
| 5       |          | 8-Octadecenoic acid, methyl ester   | 296              | C19H36O2 | 002345-29-1 | 99   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF042219\  
Data File : BF113897.D  
Acq On : 23 Apr 2019 00:02  
Operator : JU/SJ  
Sample : K2202-01 2X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

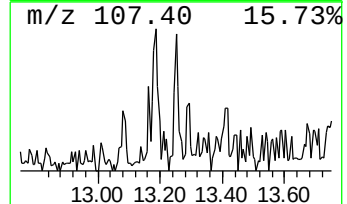
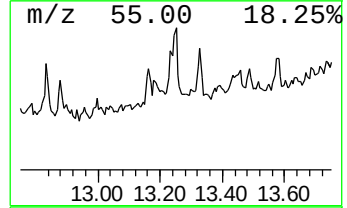
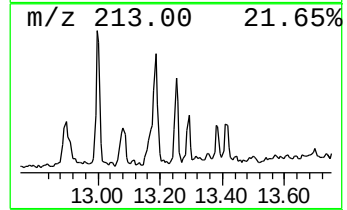
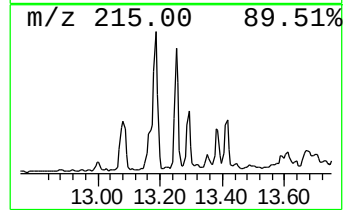
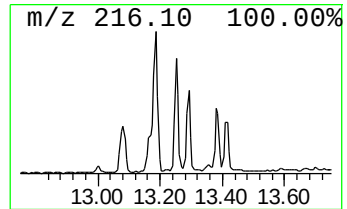
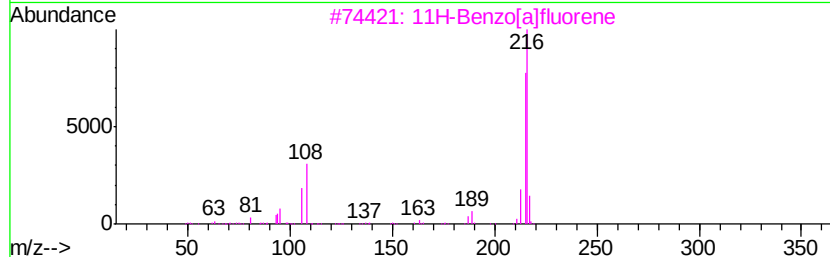
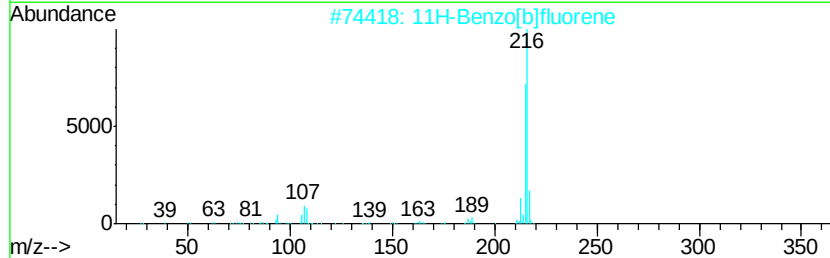
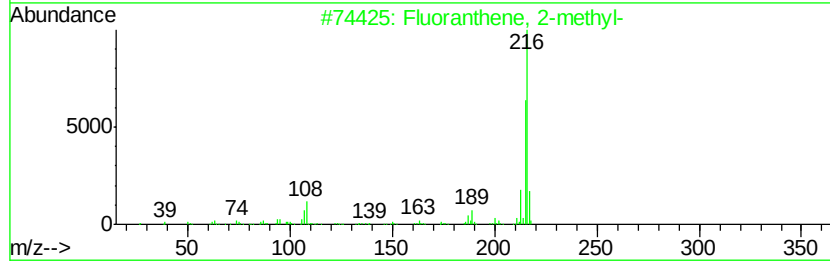
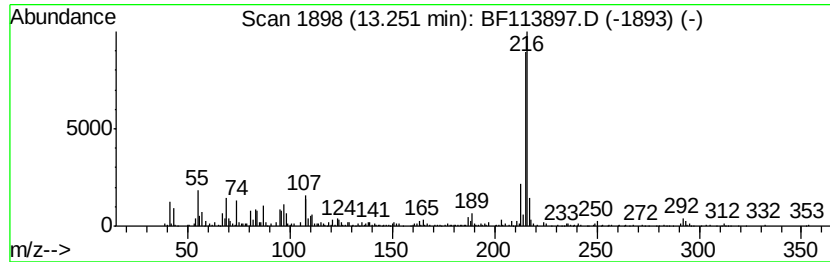
Instrument :  
BNA\_F  
ClientSampleId :  
SA-06-041819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042219.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 Fluoranthene, 2-methyl- Concentration Rank 7

| R.T.      | EstConc                 | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------|--------|------------------|-------------|-------|
| 13.25     | 2.61 ng                 | 277526 | Chrysene-d12     |             | 14.06 |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual  |
| 1         | Fluoranthene, 2-methyl- | 216    | C17H12           | 033543-31-6 | 90    |
| 2         | 11H-Benzo[b]fluorene    | 216    | C17H12           | 000243-17-4 | 81    |
| 3         | 11H-Benzo[a]fluorene    | 216    | C17H12           | 000238-84-6 | 81    |
| 4         | 7H-Benzo[c]fluorene     | 216    | C17H12           | 000205-12-9 | 59    |
| 5         | Pyrene, 2-methyl-       | 216    | C17H12           | 003442-78-2 | 49    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF042219\  
Data File : BF113897.D  
Acq On : 23 Apr 2019 00:02  
Operator : JU/SJ  
Sample : K2202-01 2X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SA-06-041819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042219.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 |
| unknown6.66          | 6.66  | 36.6    | ng    | 2018040  | 1                     | 6.90  | 1101240 | 20.0 |
| Hexadecanoic acid... | 11.81 | 14.9    | ng    | 1213120  | 4                     | 11.42 | 1626690 | 20.0 |
| n-Hexadecanoic acid  | 11.94 | 4.9     | ng    | 400152   | 4                     | 11.42 | 1626690 | 20.0 |
| 9,12-Octadecadien... | 12.50 | 44.3    | ng    | 3599170  | 4                     | 11.42 | 1626690 | 20.0 |
| 9-Octadecenoic ac... | 12.52 | 40.4    | ng    | 3285040  | 4                     | 11.42 | 1626690 | 20.0 |
| Fluoranthene, 2-m... | 13.25 | 2.6     | ng    | 277526   | 5                     | 14.06 | 2126510 | 20.0 |