

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\  
 Data File : BF101270.D  
 Acq On : 9 Dec 2017 8:24  
 Operator : SJ/JU  
 Sample : I6744-01  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PROS-3-E(0-1)

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

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

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.875    | 300        | 304      | 311       | rBB   | 10060       | 13928      | 1.41%        | 0.122%     |
| 2      | 5.045    | 500        | 503      | 514       | rBV   | 54448       | 70252      | 7.10%        | 0.615%     |
| 3      | 5.445    | 567        | 571      | 584       | rVB   | 842074      | 862017     | 87.10%       | 7.544%     |
| 4      | 6.469    | 740        | 745      | 755       | rBV   | 907500      | 989688     | 100.00%      | 8.661%     |
| 5      | 6.598    | 763        | 767      | 770       | rBV   | 1131947     | 948213     | 95.81%       | 8.298%     |
| 6      | 6.828    | 803        | 806      | 813       | rBB   | 314759      | 249773     | 25.24%       | 2.186%     |
| 7      | 6.981    | 828        | 832      | 836       | rBV   | 803440      | 703319     | 71.06%       | 6.155%     |
| 8      | 7.392    | 898        | 902      | 905       | rBV   | 596566      | 519438     | 52.49%       | 4.546%     |
| 9      | 8.110    | 1021       | 1024     | 1027      | rBV   | 394299      | 308371     | 31.16%       | 2.699%     |
| 10     | 9.186    | 1203       | 1207     | 1210      | rBV   | 979594      | 856239     | 86.52%       | 7.493%     |
| 11     | 9.257    | 1216       | 1219     | 1222      | rVB   | 32520       | 27467      | 2.78%        | 0.240%     |
| 12     | 9.522    | 1257       | 1264     | 1267      | rBV3  | 16906       | 21920      | 2.21%        | 0.192%     |
| 13     | 9.575    | 1270       | 1273     | 1280      | rVB   | 75485       | 77952      | 7.88%        | 0.682%     |
| 14     | 9.727    | 1296       | 1299     | 1302      | rBV   | 38804       | 34124      | 3.45%        | 0.299%     |
| 15     | 9.786    | 1304       | 1309     | 1312      | rVV   | 47279       | 40394      | 4.08%        | 0.354%     |
| 16     | 9.869    | 1319       | 1323     | 1326      | rVV   | 323044      | 296676     | 29.98%       | 2.596%     |
| 17     | 9.898    | 1326       | 1328     | 1332      | rVB   | 17108       | 14034      | 1.42%        | 0.123%     |
| 18     | 10.022   | 1343       | 1349     | 1351      | rBV5  | 7452        | 12308      | 1.24%        | 0.108%     |
| 19     | 10.069   | 1354       | 1357     | 1360      | rVV3  | 20259       | 21234      | 2.15%        | 0.186%     |
| 20     | 10.110   | 1360       | 1364     | 1368      | rVV2  | 21794       | 20581      | 2.08%        | 0.180%     |
| 21     | 10.180   | 1373       | 1376     | 1379      | rBV4  | 15754       | 18635      | 1.88%        | 0.163%     |
| 22     | 10.263   | 1387       | 1390     | 1391      | rBV2  | 12452       | 12044      | 1.22%        | 0.105%     |
| 23     | 10.286   | 1391       | 1394     | 1397      | rVB   | 54575       | 44364      | 4.48%        | 0.388%     |
| 24     | 10.416   | 1413       | 1416     | 1423      | rVB2  | 19524       | 24098      | 2.43%        | 0.211%     |
| 25     | 10.504   | 1428       | 1431     | 1433      | rVV   | 18520       | 16992      | 1.72%        | 0.149%     |
| 26     | 10.574   | 1437       | 1443     | 1446      | rBV4  | 9332        | 17239      | 1.74%        | 0.151%     |
| 27     | 10.657   | 1454       | 1457     | 1462      | rBV   | 466880      | 408472     | 41.27%       | 3.575%     |
| 28     | 10.763   | 1472       | 1475     | 1484      | rVB2  | 40769       | 69653      | 7.04%        | 0.610%     |
| 29     | 10.963   | 1505       | 1509     | 1512      | rBV5  | 16273       | 22090      | 2.23%        | 0.193%     |
| 30     | 11.045   | 1521       | 1523     | 1526      | rVB   | 15048       | 11260      | 1.14%        | 0.099%     |
| 31     | 11.092   | 1526       | 1531     | 1533      | rBV5  | 13645       | 21183      | 2.14%        | 0.185%     |
| 32     | 11.169   | 1541       | 1544     | 1546      | rBV   | 12302       | 12601      | 1.27%        | 0.110%     |
| 33     | 11.210   | 1547       | 1551     | 1553      | rBV   | 26717       | 26664      | 2.69%        | 0.233%     |
| 34     | 11.239   | 1553       | 1556     | 1557      | rBV2  | 11675       | 11665      | 1.18%        | 0.102%     |

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 Max Peaks: 100  
 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 11.357 | 1573 | 1576 | 1578 | rBV  | 343289 | 281376 | 28.43% | 2.462% |
| 36 | 11.380 | 1578 | 1580 | 1586 | rVB  | 226532 | 179156 | 18.10% | 1.568% |
| 37 | 11.433 | 1586 | 1589 | 1592 | rBV  | 82051  | 64564  | 6.52%  | 0.565% |
| 38 | 11.592 | 1613 | 1616 | 1620 | rBV3 | 17022  | 23958  | 2.42%  | 0.210% |
| 39 | 11.633 | 1620 | 1623 | 1629 | rVV5 | 18438  | 26826  | 2.71%  | 0.235% |
| 40 | 11.692 | 1629 | 1633 | 1636 | rVV3 | 15484  | 18546  | 1.87%  | 0.162% |
| 41 | 11.857 | 1658 | 1661 | 1664 | rBV  | 56474  | 59102  | 5.97%  | 0.517% |
| 42 | 11.886 | 1664 | 1666 | 1669 | rVV  | 79715  | 66581  | 6.73%  | 0.583% |
| 43 | 11.933 | 1671 | 1674 | 1677 | rVV  | 34030  | 33951  | 3.43%  | 0.297% |
| 44 | 11.968 | 1677 | 1680 | 1683 | rVV2 | 78712  | 96479  | 9.75%  | 0.844% |
| 45 | 11.992 | 1683 | 1684 | 1690 | rVB  | 50479  | 39159  | 3.96%  | 0.343% |
| 46 | 12.039 | 1690 | 1692 | 1695 | rBV3 | 19808  | 21116  | 2.13%  | 0.185% |
| 47 | 12.151 | 1708 | 1711 | 1714 | rBV  | 39093  | 34881  | 3.52%  | 0.305% |
| 48 | 12.186 | 1715 | 1717 | 1722 | rVB5 | 19014  | 19125  | 1.93%  | 0.167% |
| 49 | 12.333 | 1740 | 1742 | 1744 | rVB2 | 24526  | 17656  | 1.78%  | 0.155% |
| 50 | 12.357 | 1744 | 1746 | 1749 | rVB2 | 17529  | 16617  | 1.68%  | 0.145% |
| 51 | 12.410 | 1752 | 1755 | 1757 | rBV  | 61157  | 52674  | 5.32%  | 0.461% |
| 52 | 12.445 | 1757 | 1761 | 1763 | rVV3 | 25578  | 41821  | 4.23%  | 0.366% |
| 53 | 12.504 | 1767 | 1771 | 1774 | rBV3 | 36834  | 50989  | 5.15%  | 0.446% |
| 54 | 12.574 | 1779 | 1783 | 1787 | rBV  | 456539 | 396229 | 40.04% | 3.468% |
| 55 | 12.616 | 1788 | 1790 | 1792 | rVB2 | 16081  | 11928  | 1.21%  | 0.104% |
| 56 | 12.639 | 1792 | 1794 | 1796 | rVB2 | 16355  | 12690  | 1.28%  | 0.111% |
| 57 | 12.668 | 1797 | 1799 | 1801 | rBV  | 17249  | 13725  | 1.39%  | 0.120% |
| 58 | 12.727 | 1807 | 1809 | 1811 | rVB2 | 22659  | 15710  | 1.59%  | 0.137% |
| 59 | 12.751 | 1811 | 1813 | 1816 | rVB4 | 22376  | 19379  | 1.96%  | 0.170% |
| 60 | 12.804 | 1816 | 1822 | 1828 | rBV  | 429753 | 518492 | 52.39% | 4.538% |
| 61 | 12.857 | 1828 | 1831 | 1834 | rVB3 | 34278  | 37511  | 3.79%  | 0.328% |
| 62 | 12.939 | 1841 | 1845 | 1848 | rBV  | 656733 | 611277 | 61.76% | 5.350% |
| 63 | 12.963 | 1848 | 1849 | 1853 | rVB2 | 21084  | 18363  | 1.86%  | 0.161% |
| 64 | 13.021 | 1855 | 1859 | 1864 | rBV2 | 37726  | 66523  | 6.72%  | 0.582% |
| 65 | 13.133 | 1876 | 1878 | 1881 | rVB2 | 75588  | 60470  | 6.11%  | 0.529% |
| 66 | 13.198 | 1887 | 1889 | 1892 | rVB  | 48176  | 37967  | 3.84%  | 0.332% |
| 67 | 13.239 | 1892 | 1896 | 1899 | rBV2 | 65030  | 76011  | 7.68%  | 0.665% |
| 68 | 13.333 | 1909 | 1912 | 1914 | rBV  | 46601  | 39433  | 3.98%  | 0.345% |
| 69 | 13.363 | 1914 | 1917 | 1920 | rVV2 | 39141  | 41439  | 4.19%  | 0.363% |
| 70 | 13.645 | 1963 | 1965 | 1969 | rVB  | 44336  | 44480  | 4.49%  | 0.389% |
| 71 | 13.780 | 1986 | 1988 | 1990 | rVB  | 38738  | 27640  | 2.79%  | 0.242% |

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 PROS-3-E(0-1)

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:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 13.810 | 1991 | 1993 | 1994 | rVV  | 32685  | 24696  | 2.50%  | 0.216% |
| 73 | 13.827 | 1994 | 1996 | 1999 | rVV3 | 54816  | 59774  | 6.04%  | 0.523% |
| 74 | 13.857 | 1999 | 2001 | 2003 | rVB  | 36285  | 29176  | 2.95%  | 0.255% |
| 75 | 14.004 | 2022 | 2026 | 2029 | rBV2 | 329296 | 473828 | 47.88% | 4.147% |
|    |        |      |      |      |      |        |        |        |        |
| 76 | 14.033 | 2029 | 2031 | 2038 | rVB  | 204333 | 184859 | 18.68% | 1.618% |
| 77 | 15.057 | 2201 | 2205 | 2208 | rBV  | 117188 | 172564 | 17.44% | 1.510% |
| 78 | 15.357 | 2254 | 2256 | 2262 | rVB  | 76085  | 85435  | 8.63%  | 0.748% |
| 79 | 15.421 | 2264 | 2267 | 2272 | rVB  | 125347 | 155025 | 15.66% | 1.357% |
| 80 | 15.486 | 2274 | 2278 | 2281 | rVB  | 130515 | 158048 | 15.97% | 1.383% |
|    |        |      |      |      |      |        |        |        |        |
| 81 | 16.968 | 2527 | 2530 | 2538 | rVB3 | 46961  | 84521  | 8.54%  | 0.740% |

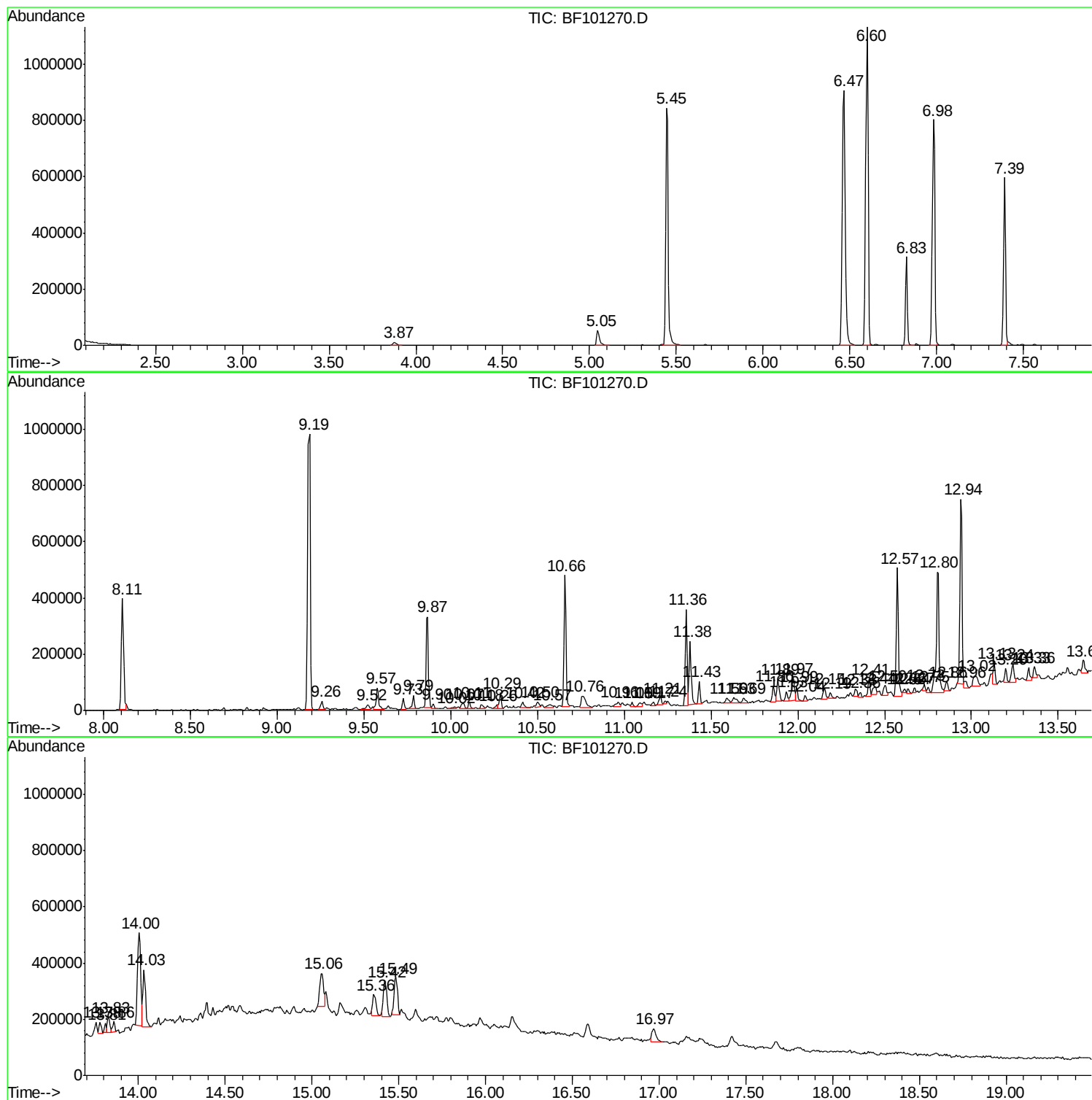
Sum of corrected areas: 11426658

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Instrument :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

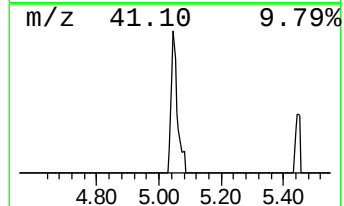
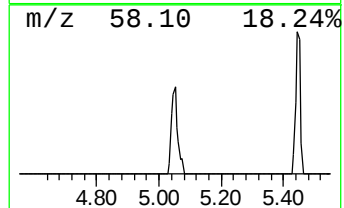
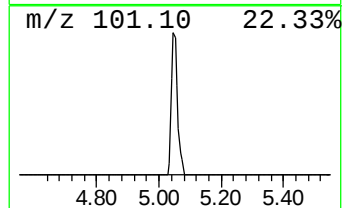
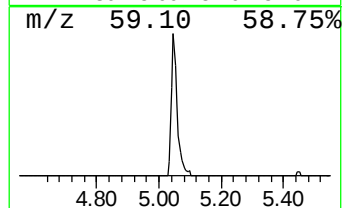
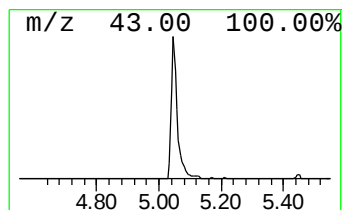
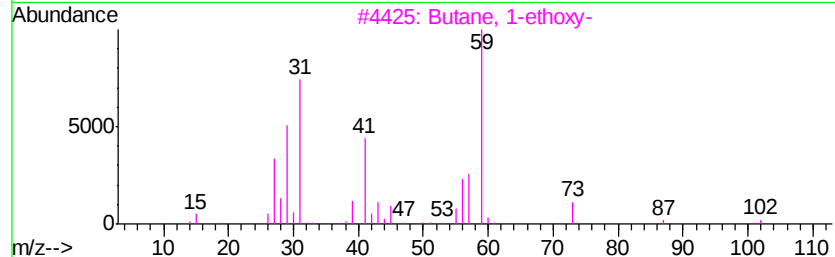
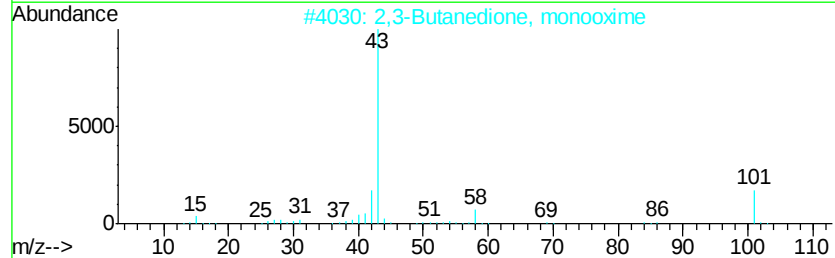
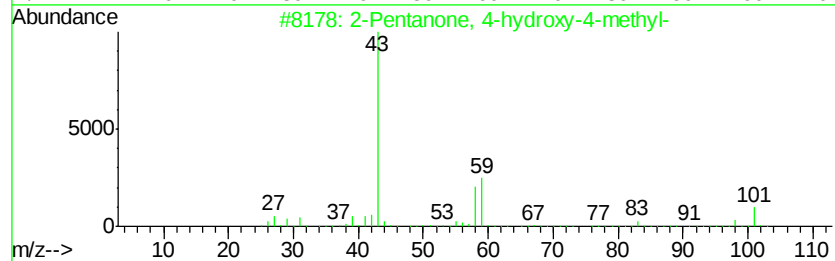
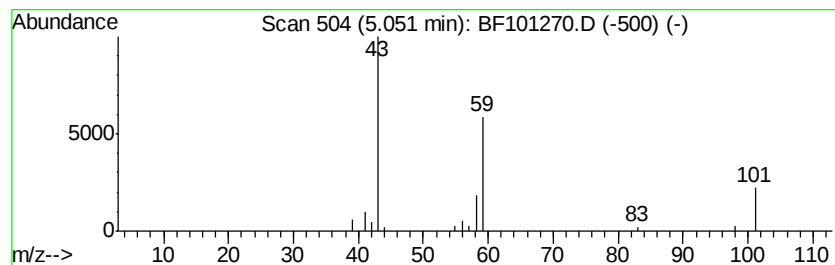
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.05 | 5.63 ng | 70252 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# of | 5                                   | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|-------------------------------------|--------------|----------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl-    | 116          | C6H12O2  | 000123-42-2 | 64   |      |
| 2       | 2,3-Butanedione, monooxime          | 101          | C4H7NO2  | 000057-71-6 | 25   |      |
| 3       | Butane, 1-ethoxy-                   | 102          | C6H14O   | 000628-81-9 | 9    |      |
| 4       | Propanoic acid, 3-nitro-, methyl... | 133          | C4H7NO4  | 020497-95-4 | 9    |      |
| 5       | Butanamide, 2-hydroxy-2,N-dimethyl- | 117          | C5H11NO2 | 039961-72-3 | 9    |      |



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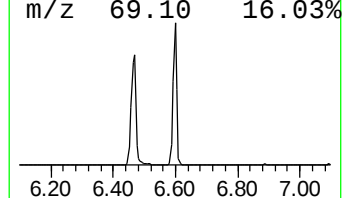
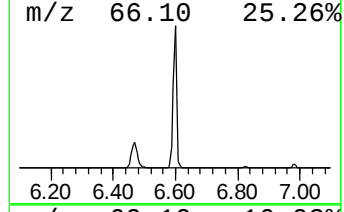
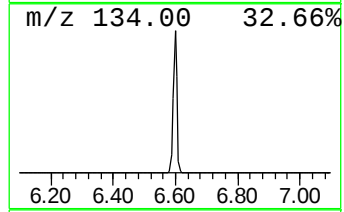
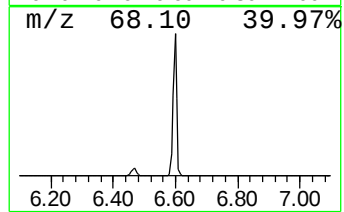
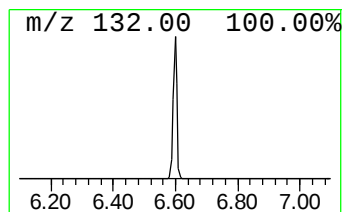
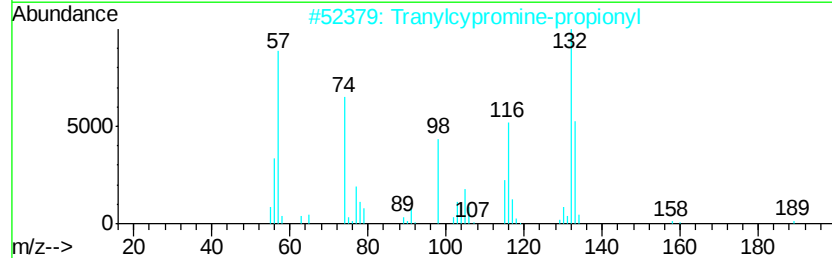
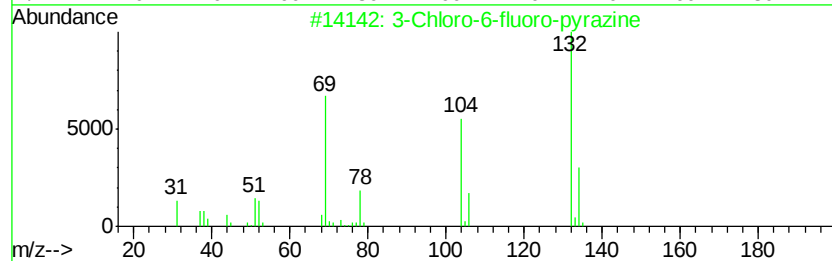
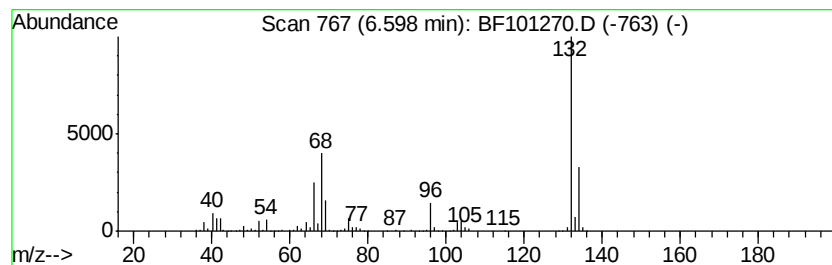
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.60 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.60 | 75.93 ng | 948213 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 9    |



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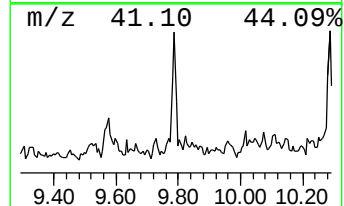
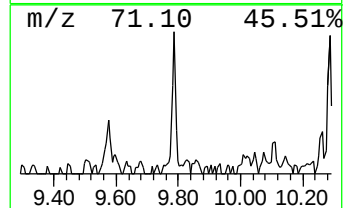
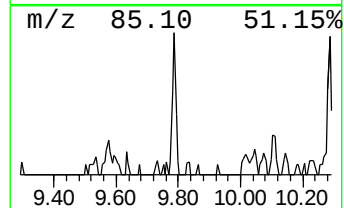
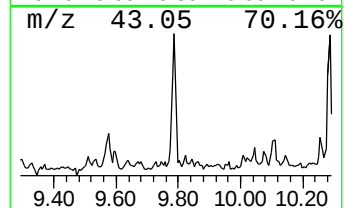
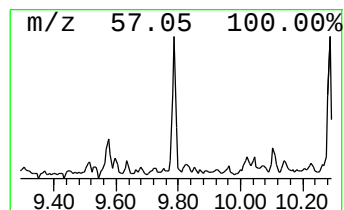
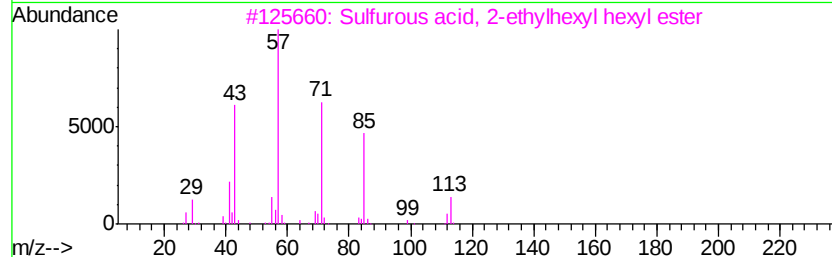
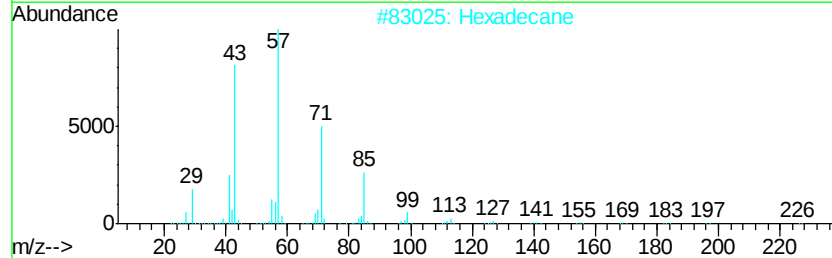
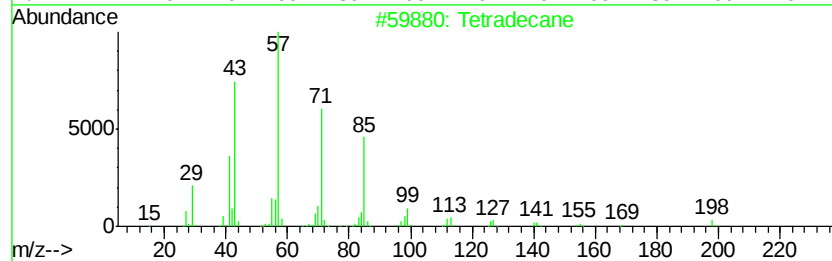
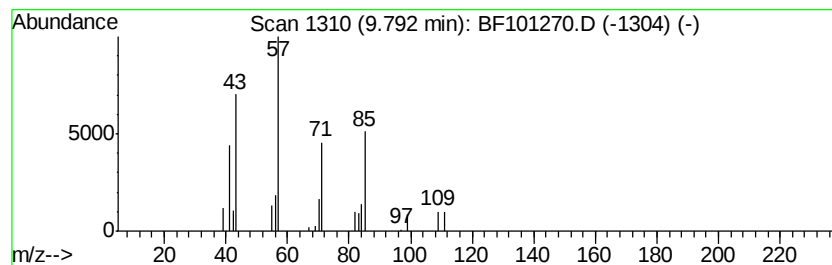
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Tetradecane Concentration Rank 16

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 9.79 | 2.72 ng | 40394 | Acenaphthene-d10 | 9.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Tetradecane                         | 198 | C14H30    | 000629-59-4  | 90   |
| 2    |    | Hexadecane                          | 226 | C16H34    | 000544-76-3  | 90   |
| 3    |    | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 80   |
| 4    |    | Octane, 2,4,6-trimethyl-            | 156 | C11H24    | 062016-37-9  | 72   |
| 5    |    | Sulfurous acid, hexyl pentyl ester  | 236 | C11H24O3S | 1000309-14-1 | 64   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

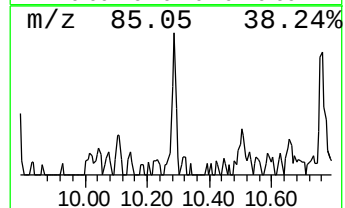
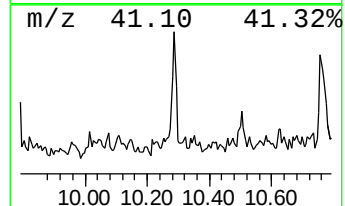
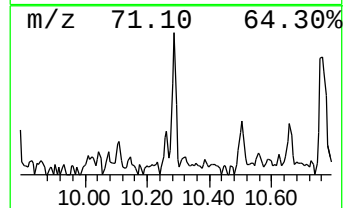
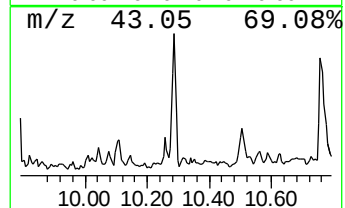
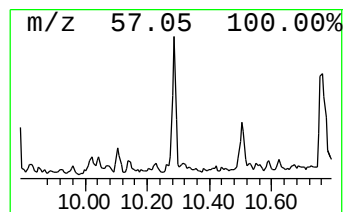
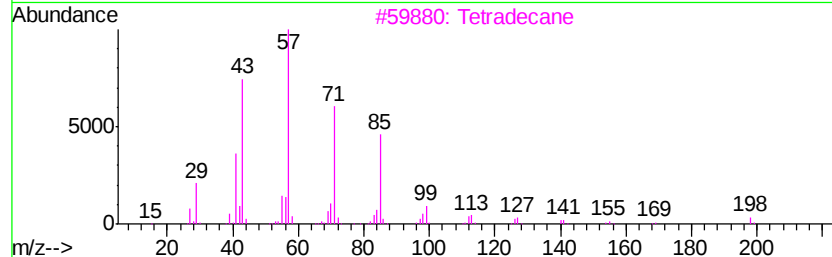
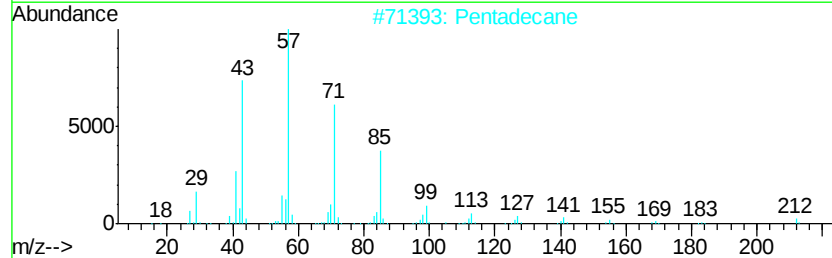
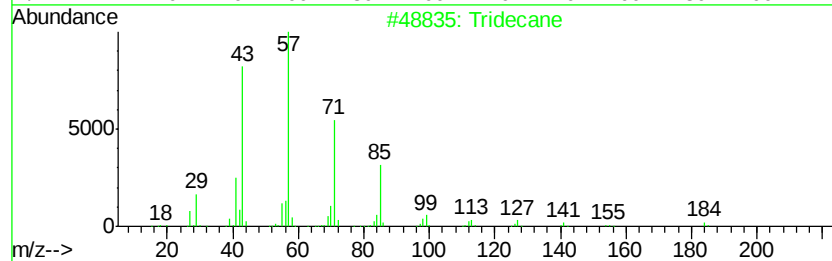
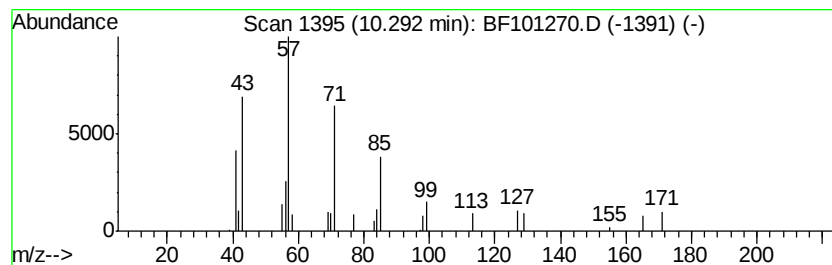
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ClientSampleId :  
PROS-3-E(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Tridecane Concentration Rank 12

| R.T.      | EstConc      | Area  | Relative to ISTD |             | R.T. |
|-----------|--------------|-------|------------------|-------------|------|
| 10.29     | 2.99 ng      | 44364 | Acenaphthene-d10 |             | 9.86 |
| Hit# of 5 | Tentative ID | MW    | MolForm          | CAS#        | Qual |
| 1         | Tridecane    | 184   | C13H28           | 000629-50-5 | 86   |
| 2         | Pentadecane  | 212   | C15H32           | 000629-62-9 | 86   |
| 3         | Tetradecane  | 198   | C14H30           | 000629-59-4 | 86   |
| 4         | Heptacosane  | 380   | C27H56           | 000593-49-7 | 83   |
| 5         | Heneicosane  | 296   | C21H44           | 000629-94-7 | 78   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

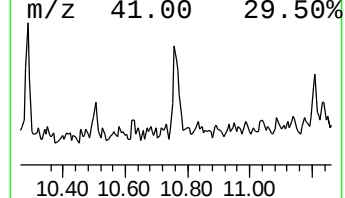
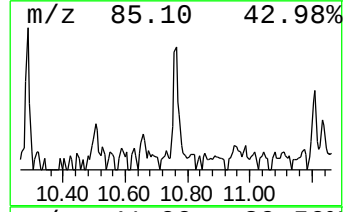
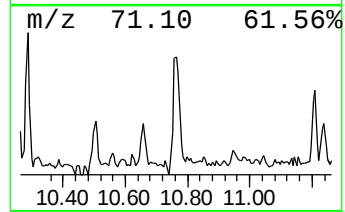
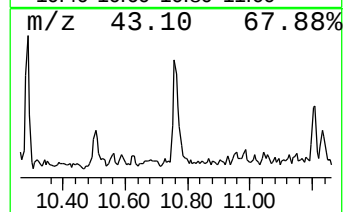
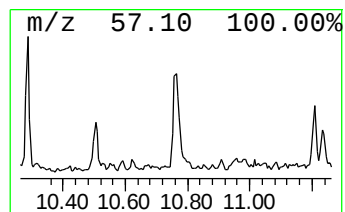
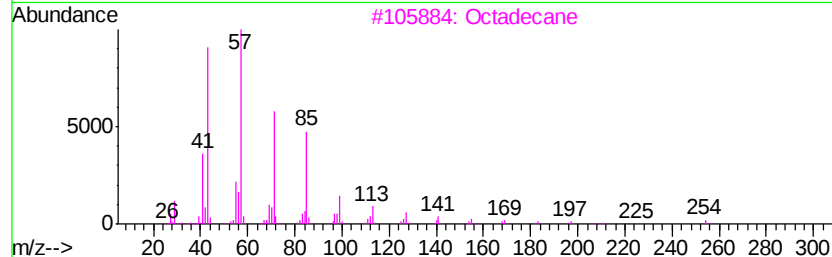
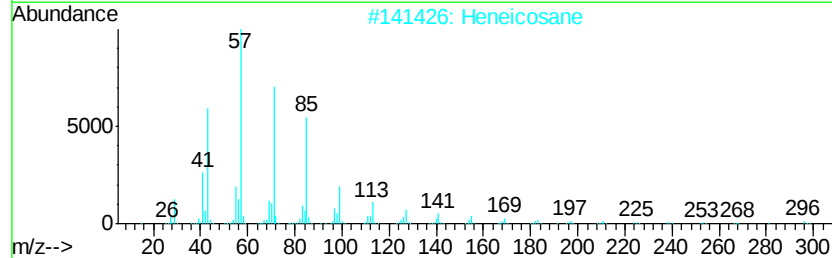
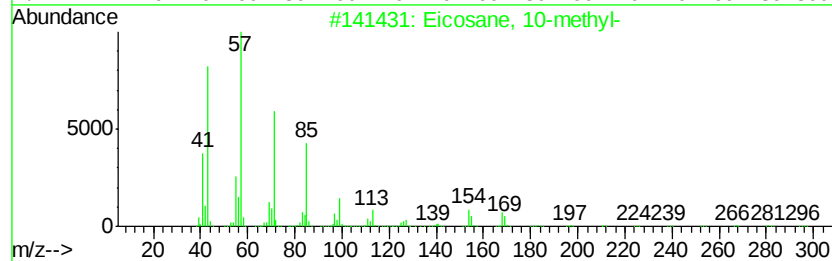
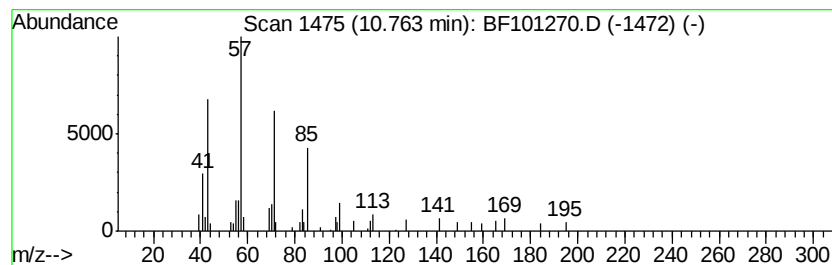
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Eicosane, 10-methyl- Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 10.76 | 4.95 ng | 69653 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane, 10-methyl- | 296 | C21H44  | 054833-23-7 | 83   |
| 2    |    | Heneicosane          | 296 | C21H44  | 000629-94-7 | 81   |
| 3    |    | Octadecane           | 254 | C18H38  | 000593-45-3 | 74   |
| 4    |    | Octacosane           | 394 | C28H58  | 000630-02-4 | 74   |
| 5    |    | Pentacosane          | 352 | C25H52  | 000629-99-2 | 74   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

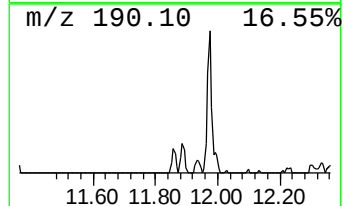
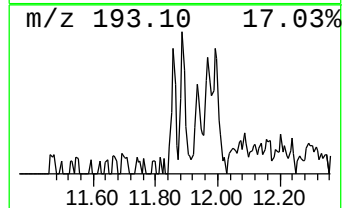
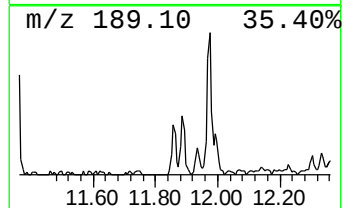
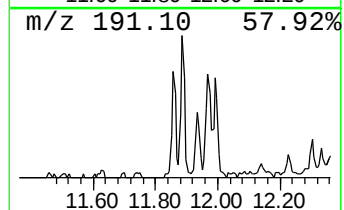
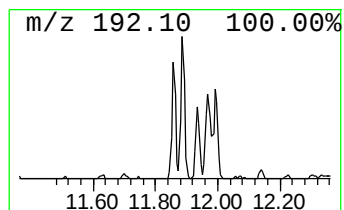
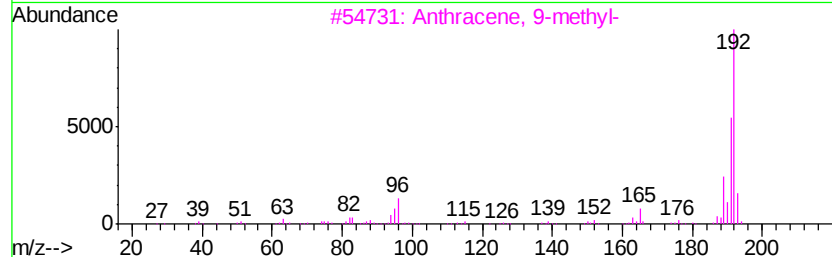
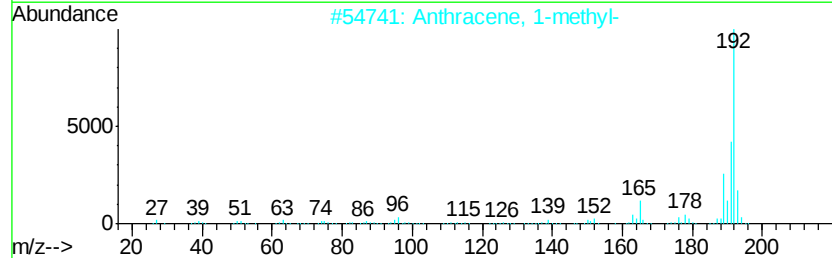
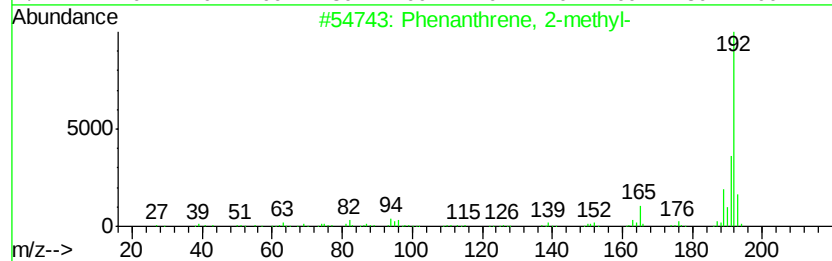
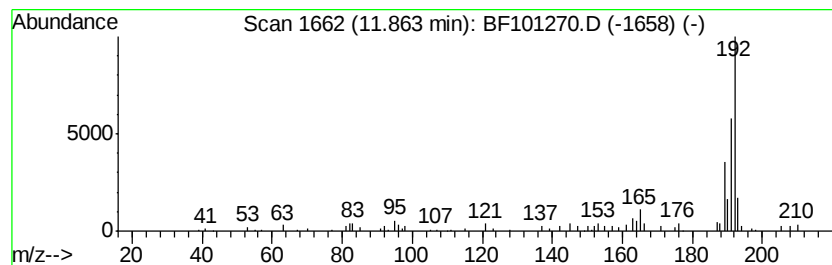
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BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.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 Phenanthrene, 2-methyl- Concentration Rank 8

| R.T.      | EstConc                               | Area  | Relative to ISTD | R.T.        |      |
|-----------|---------------------------------------|-------|------------------|-------------|------|
| 11.86     | 4.20 ng                               | 59102 | Phenanthrene-d10 | 11.36       |      |
| Hit# of 5 | Tentative ID                          | MW    | MolForm          | CAS#        | Qual |
| 1         | Phenanthrene, 2-methyl-               | 192   | C15H12           | 002531-84-2 | 94   |
| 2         | Anthracene, 1-methyl-                 | 192   | C15H12           | 000610-48-0 | 94   |
| 3         | Anthracene, 9-methyl-                 | 192   | C15H12           | 000779-02-2 | 93   |
| 4         | Phenanthrene, 1-methyl-               | 192   | C15H12           | 000832-69-9 | 91   |
| 5         | 1H-Cyclopropa[1]phenanthrene, 1a, ... | 192   | C15H12           | 000949-41-7 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

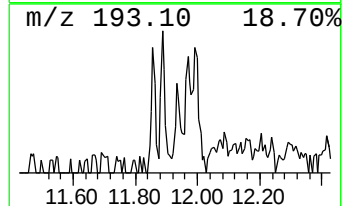
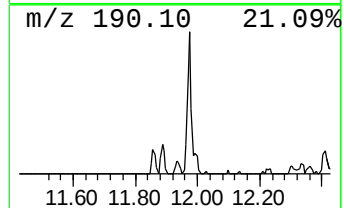
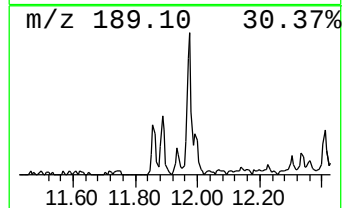
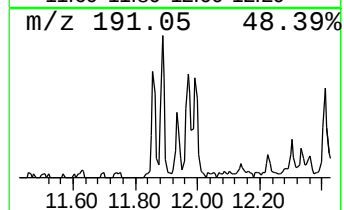
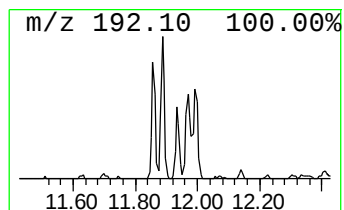
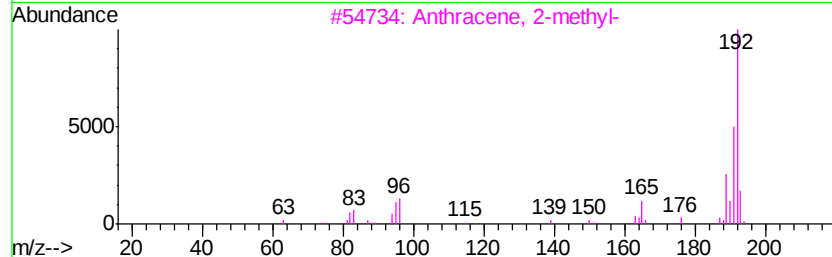
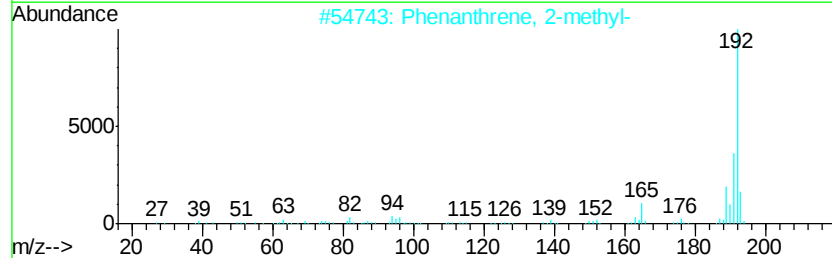
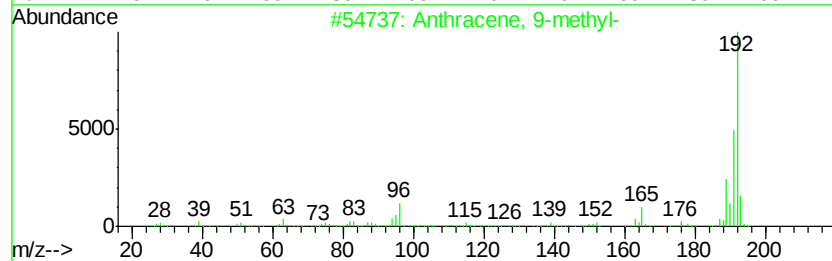
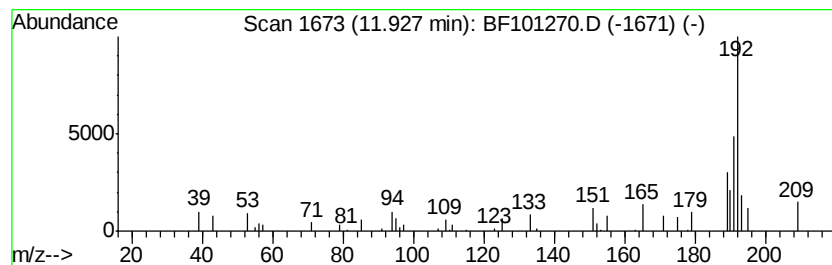
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Anthracene, 9-methyl- Concentration Rank 20

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.93 | 2.41 ng | 33951 | Phenanthrene-d10 | 11.36 |

| Hit# | of | 5 | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 9-methyl-                  | 192 | C15H12  | 000779-02-2 | 91   |
| 2    |    |   | Phenanthrene, 2-methyl-                | 192 | C15H12  | 002531-84-2 | 91   |
| 3    |    |   | Anthracene, 2-methyl-                  | 192 | C15H12  | 000613-12-7 | 91   |
| 4    |    |   | 1H-Cyclopropa[1,1]phenanthrene, 1a,... | 192 | C15H12  | 000949-41-7 | 90   |
| 5    |    |   | Phenanthrene, 1-methyl-                | 192 | C15H12  | 000832-69-9 | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

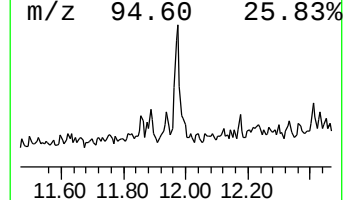
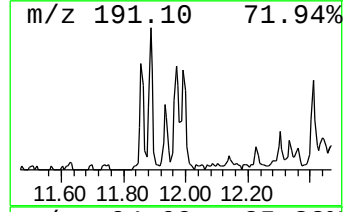
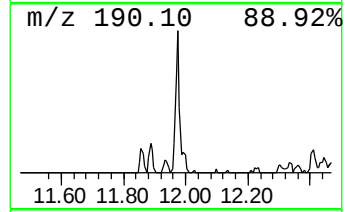
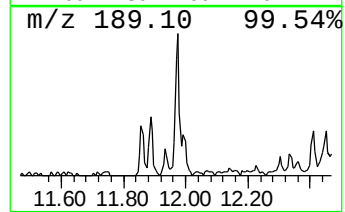
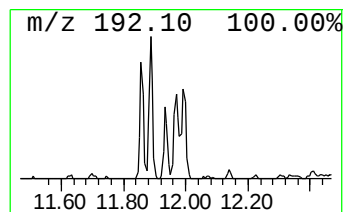
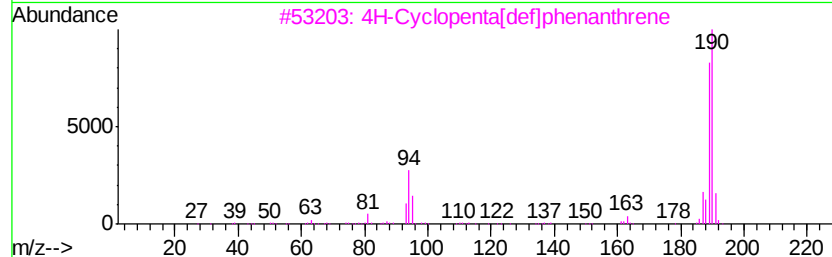
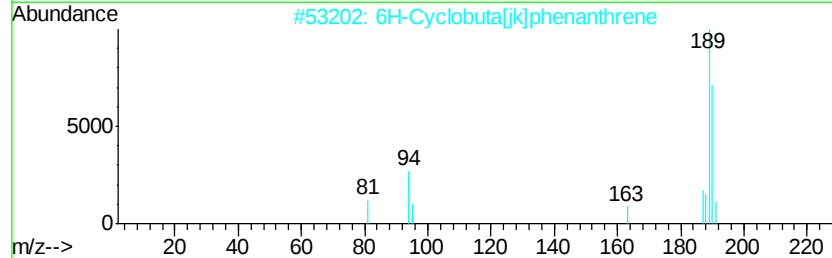
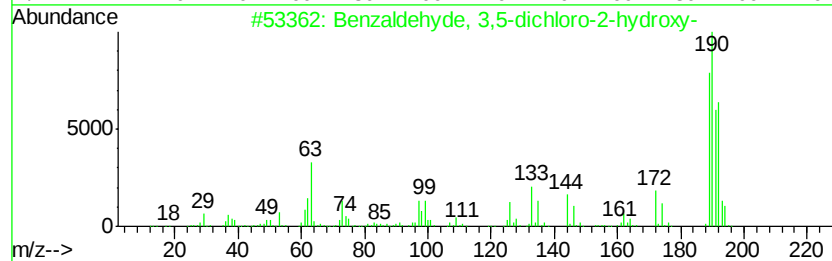
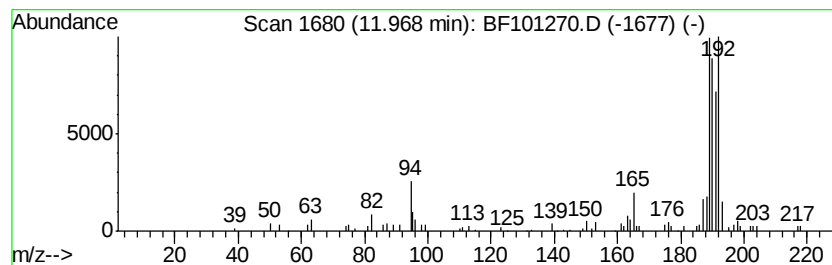
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.97 | 6.86 ng | 96479 | Phenanthrene-d10 | 11.36 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm   | CAS#        | Qual |
|------|----|---|------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Benzaldehyd, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 53   |
| 2    |    |   | 6H-Cyclobuta[ik]phenanthrene       | 190 | C15H10    | 083469-43-6 | 49   |
| 3    |    |   | 4H-Cyclopenta[def]phenanthrene     | 190 | C15H10    | 000203-64-5 | 49   |
| 4    |    |   | Phenanthrene, 1-methyl-            | 192 | C15H12    | 000832-69-9 | 46   |
| 5    |    |   | Anthracene, 1-methyl-              | 192 | C15H12    | 000610-48-0 | 42   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

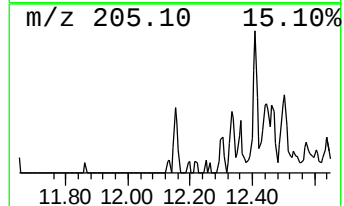
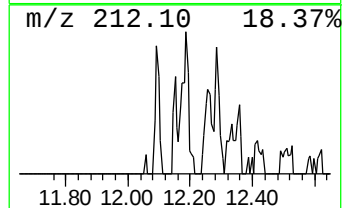
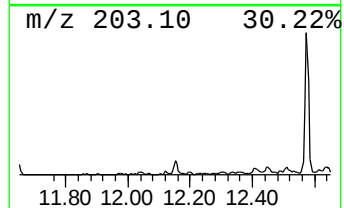
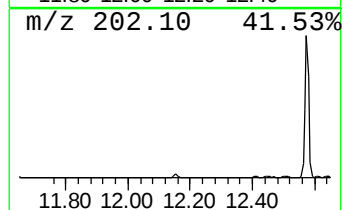
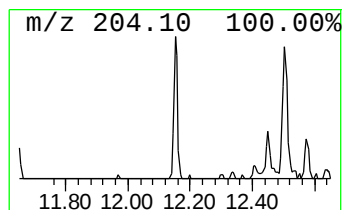
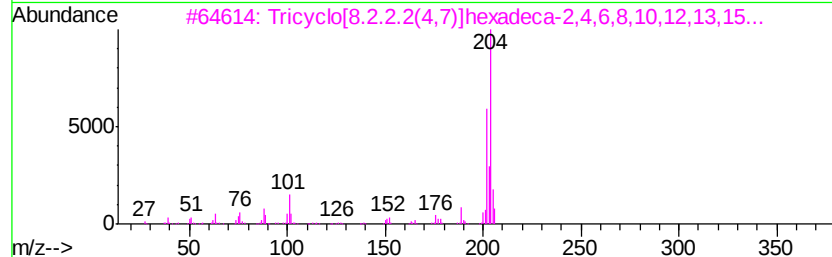
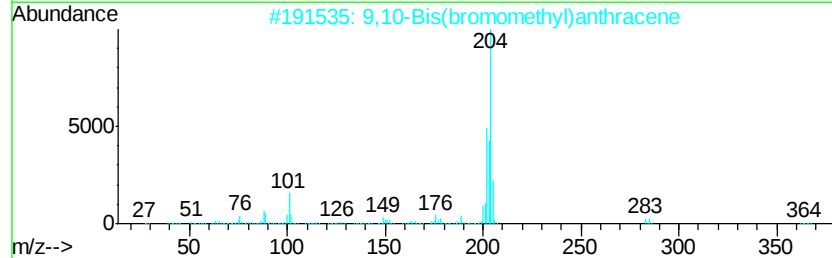
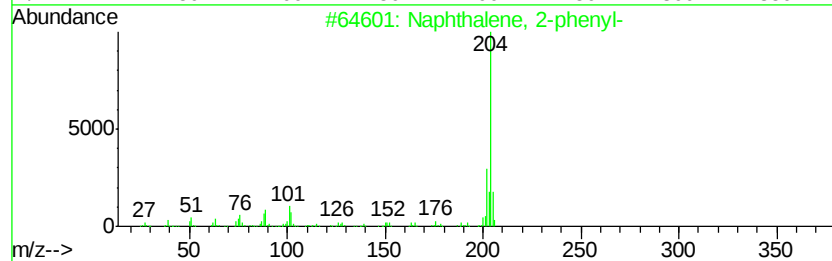
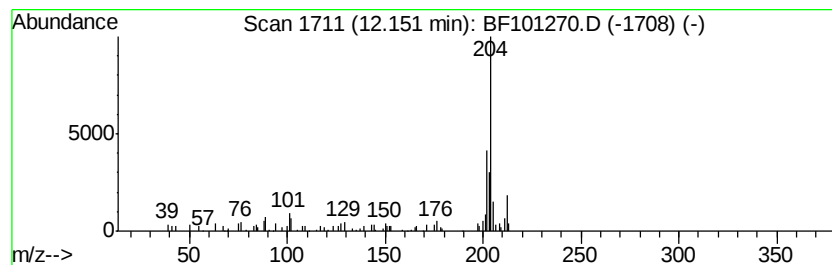
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 19

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.15 | 2.48 ng | 34881 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2  | 90   |
| 2    |    | 9,10-Bis(bromomethyl)anthracene     | 362 | C16H12Br2 | 034373-96-1  | 52   |
| 3    |    | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12    | 006572-60-7  | 49   |
| 4    |    | 3,4-Biphenyldicarbonitrile          | 204 | C14H8N2   | 004128-63-6  | 49   |
| 5    |    | [1,2,4]Triazolo[5,1-b]quinazolin... | 204 | C10H12N4O | 1000337-56-5 | 47   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

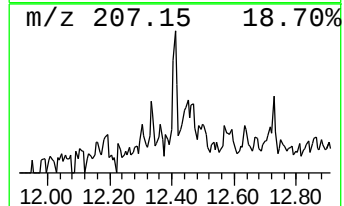
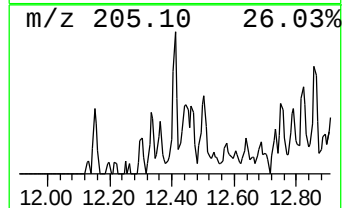
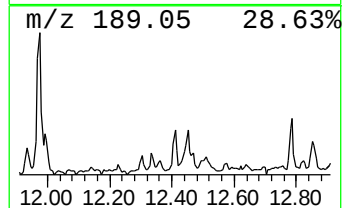
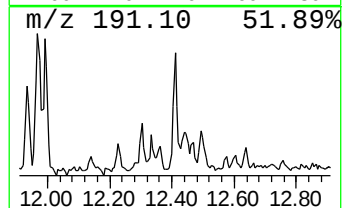
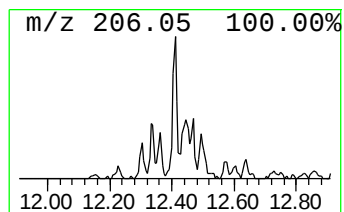
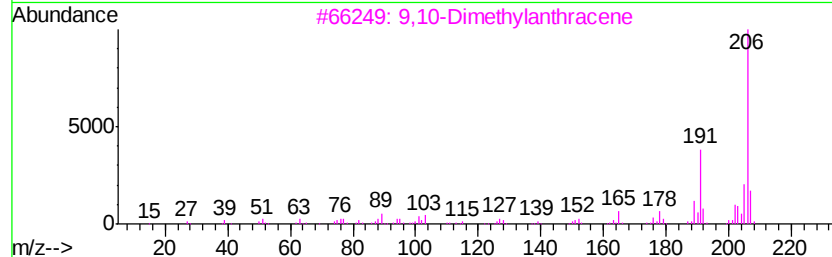
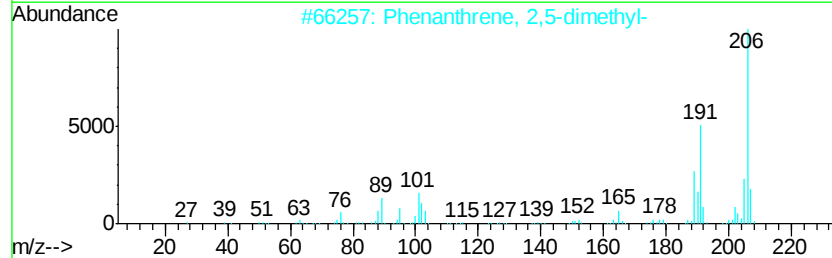
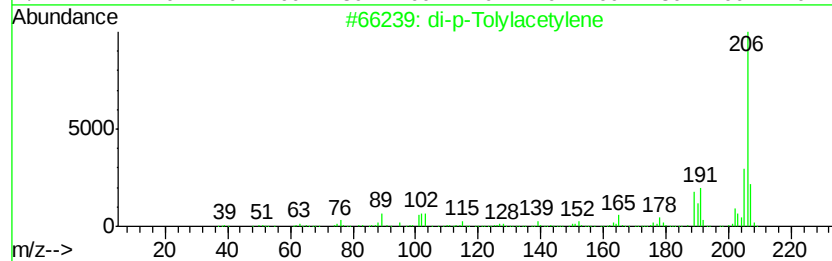
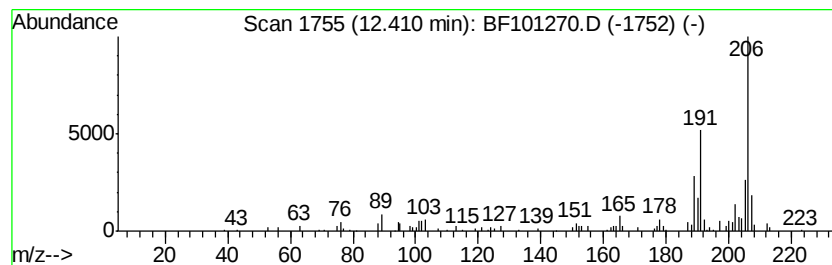
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 di-p-Tolylacetylene Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.41 | 3.74 ng | 52674 | Phenanthrene-d10 | 11.36 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 93   |
| 2    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 87   |
| 3    |    |   | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1 | 81   |
| 4    |    |   | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 81   |
| 5    |    |   | Anthracene, 1,4-dimethyl-   | 206 | C16H14  | 000781-92-0 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

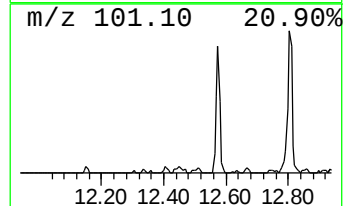
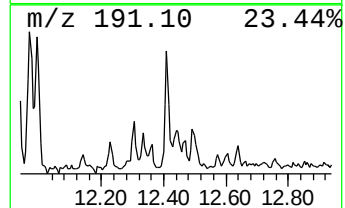
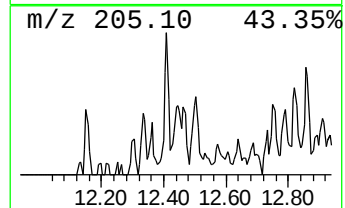
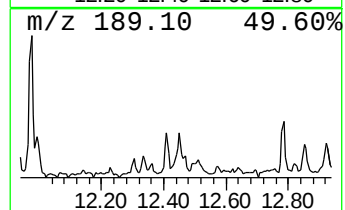
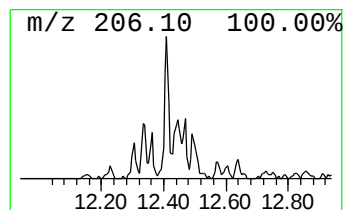
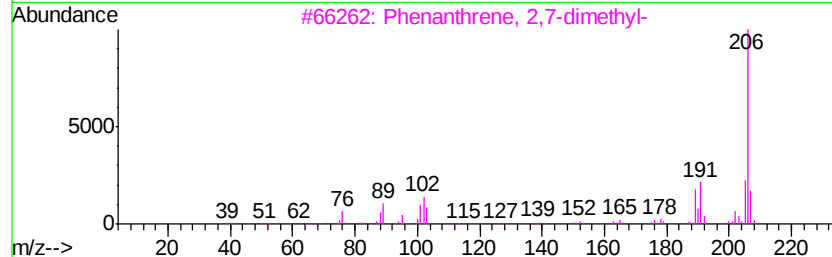
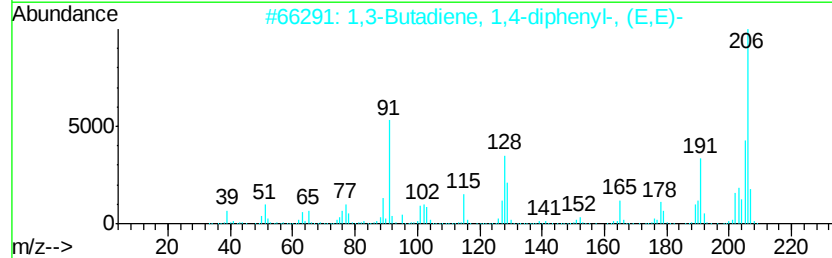
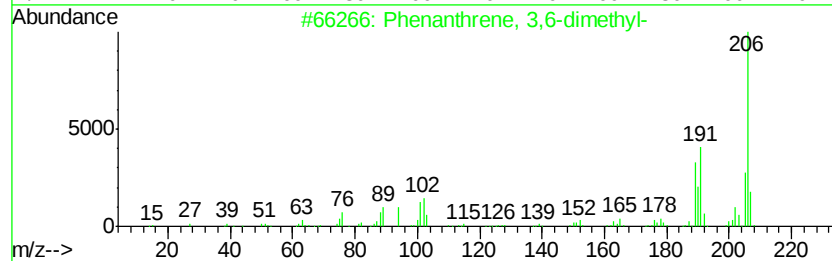
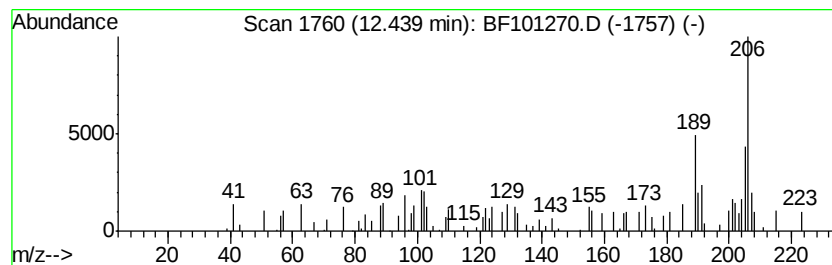
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.44 | 2.97 ng | 41821 | Phenanthrene-d10 | 11.36 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 3,6-dimethyl-         | 206 | C16H14  | 001576-67-6 | 53   |
| 2    |    |   | 1,3-Butadiene, 1,4-diphenyl-, (E... | 206 | C16H14  | 000538-81-8 | 43   |
| 3    |    |   | Phenanthrene, 2,7-dimethyl-         | 206 | C16H14  | 001576-69-8 | 43   |
| 4    |    |   | di-p-Tolylacetylene                 | 206 | C16H14  | 002789-88-0 | 38   |
| 5    |    |   | Phenanthrene, 2,3-dimethyl-         | 206 | C16H14  | 003674-65-5 | 35   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

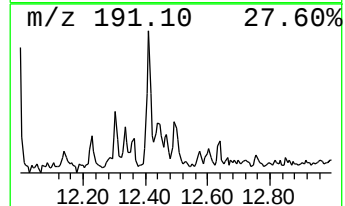
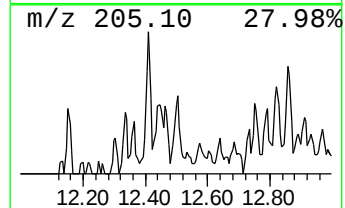
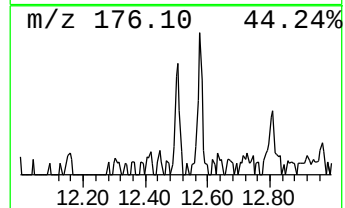
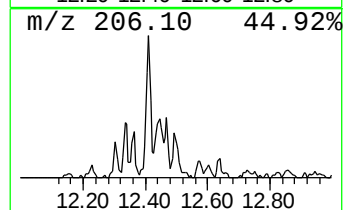
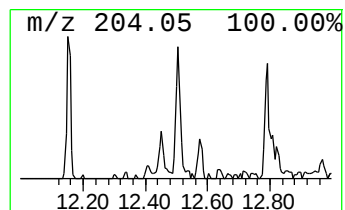
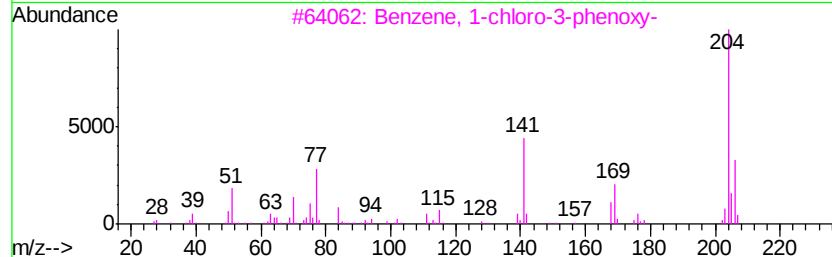
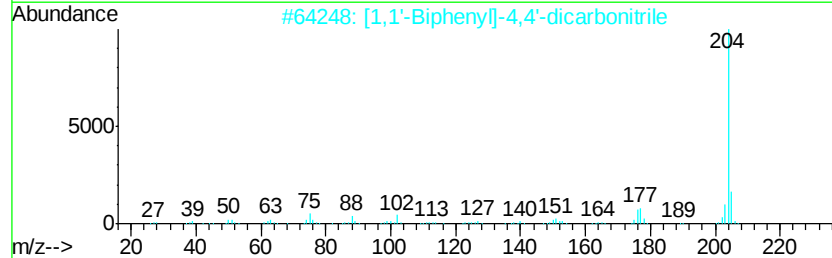
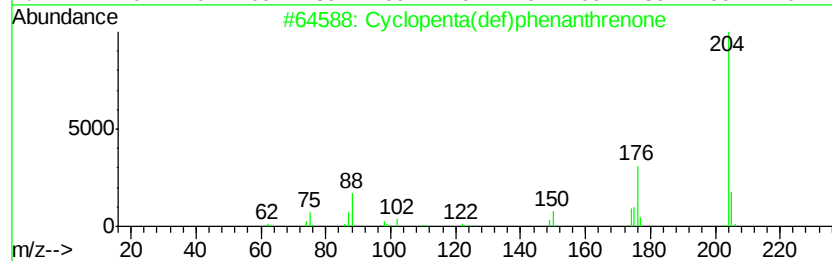
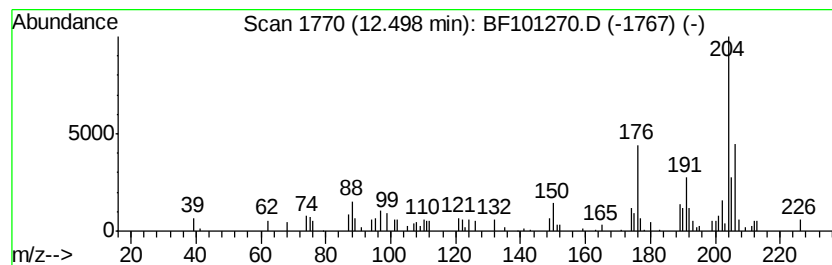
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.50 | 3.62 ng | 50989 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Cyclopenta(def)phenanthrenone       | 204 | C15H8O   | 005737-13-3 | 86   |
| 2    |    | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2  | 001591-30-6 | 50   |
| 3    |    | Benzene, 1-chloro-3-phenoxy-        | 204 | C12H9ClO | 006452-49-9 | 49   |
| 4    |    | [1,1'-Biphenyl]-4-ol, 4'-chloro-    | 204 | C12H9ClO | 028034-99-3 | 47   |
| 5    |    | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2  | 004341-02-0 | 47   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

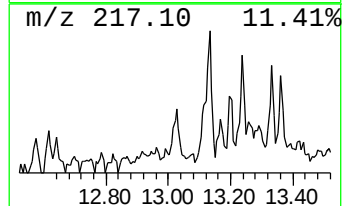
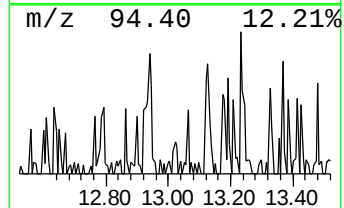
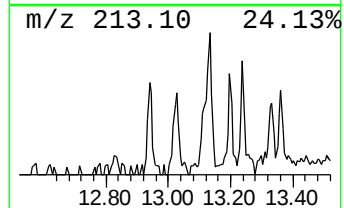
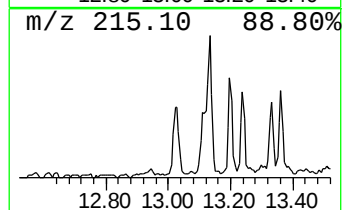
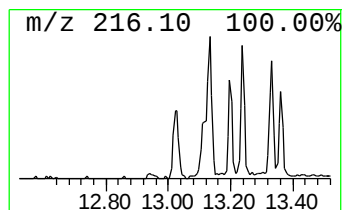
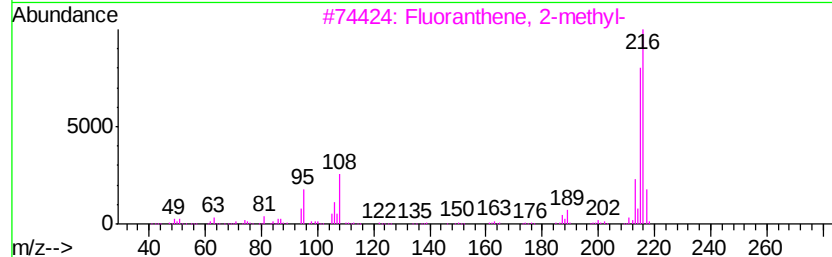
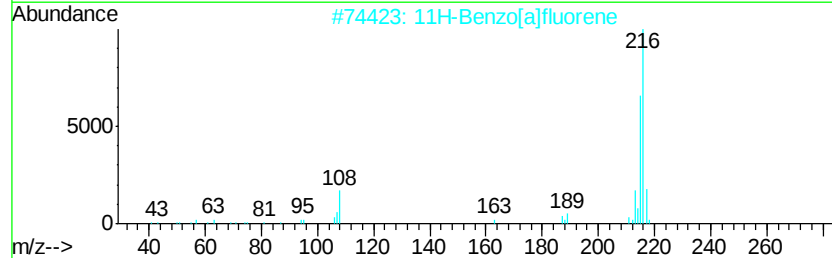
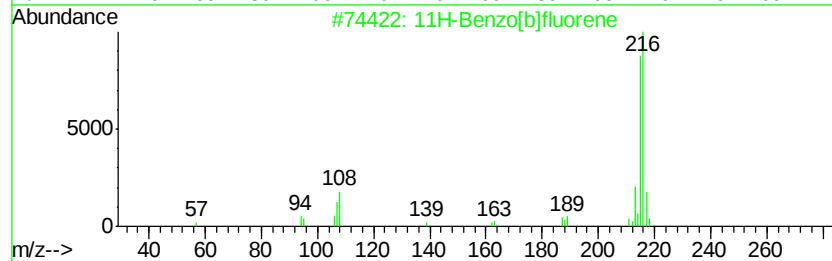
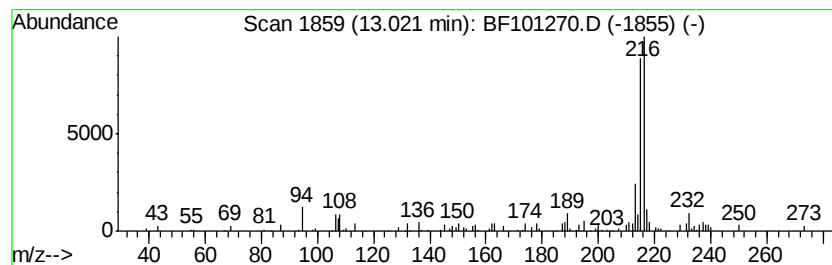
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 14

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.02 | 2.81 ng | 66523 | Chrysene-d12     | 14.01 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 11H-Benzo[b]fluorene                | 216 | C17H12     | 000243-17-4 | 76   |
| 2    |    | 11H-Benzo[a]fluorene                | 216 | C17H12     | 000238-84-6 | 68   |
| 3    |    | Fluoranthene, 2-methyl-             | 216 | C17H12     | 033543-31-6 | 68   |
| 4    |    | Pvrene, 1-methyl-                   | 216 | C17H12     | 002381-21-7 | 64   |
| 5    |    | Benzoic acid, 3-(3,5-dimethyl-1-... | 216 | C12H12N2O2 | 312531-88-7 | 58   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

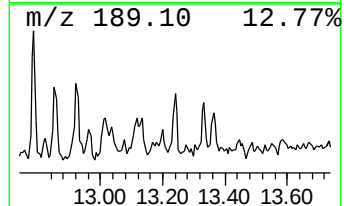
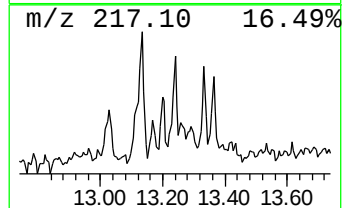
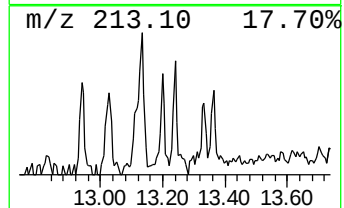
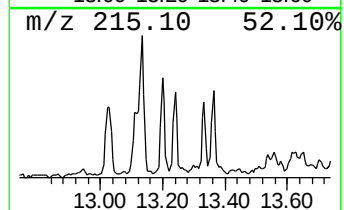
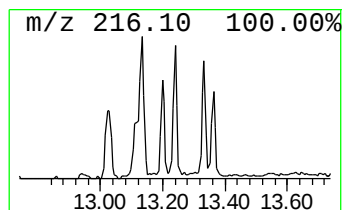
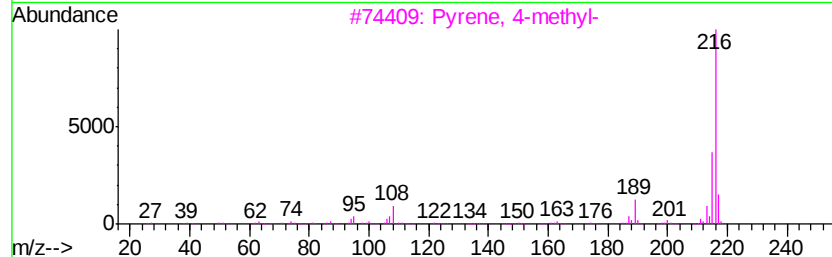
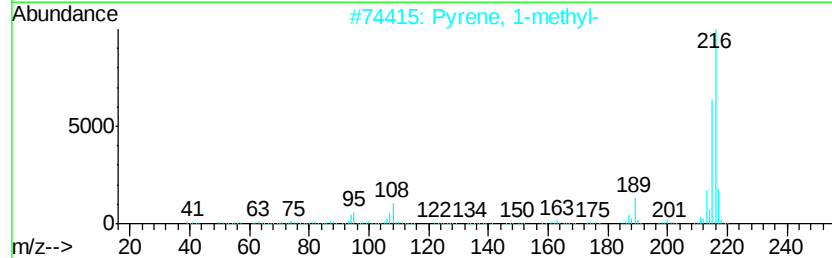
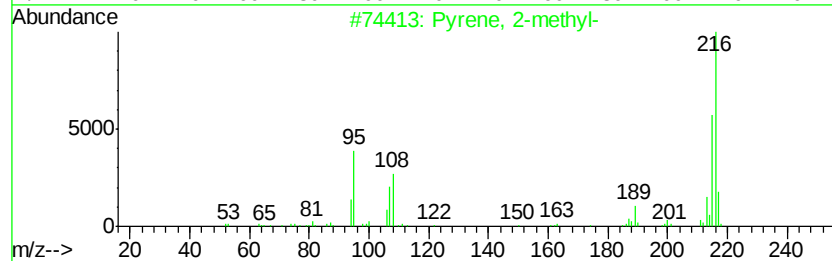
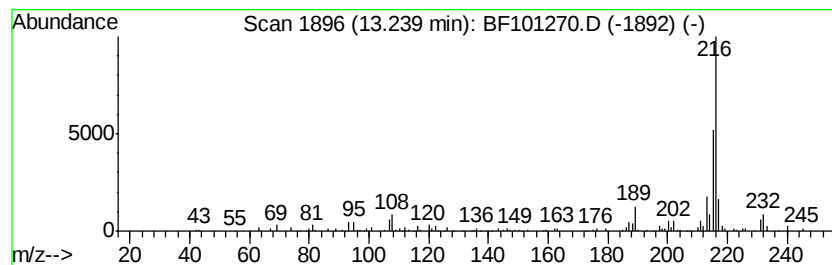
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.24 | 3.21 ng | 76011 | Chrysene-d12     | 14.01 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 96   |
| 2    |    | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 96   |
| 3    |    | Pyrene, 4-methyl-       | 216 | C17H12  | 003353-12-6 | 93   |
| 4    |    | 11H-Benzo[alfluorene    | 216 | C17H12  | 000238-84-6 | 91   |
| 5    |    | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 74   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

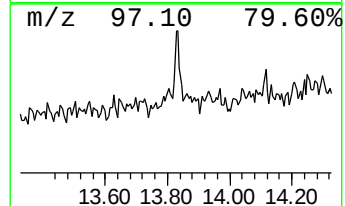
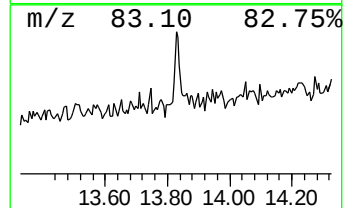
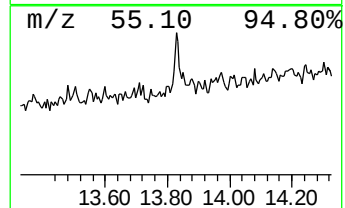
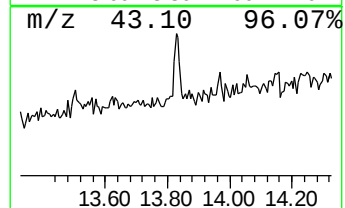
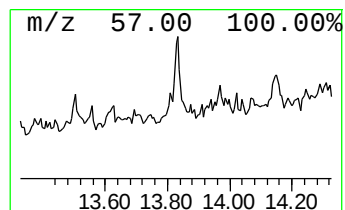
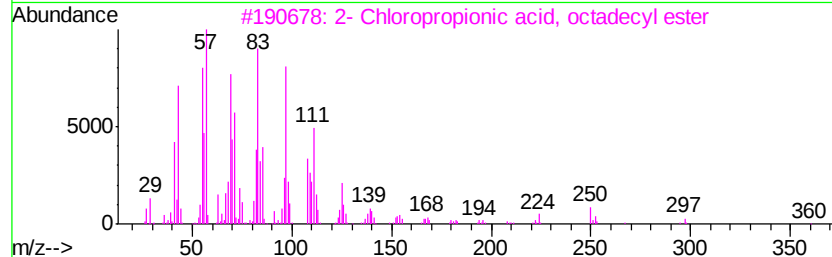
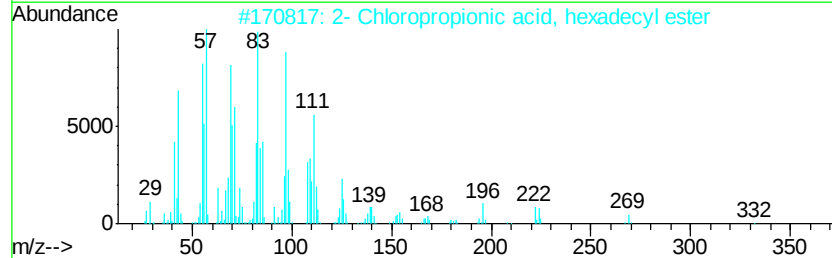
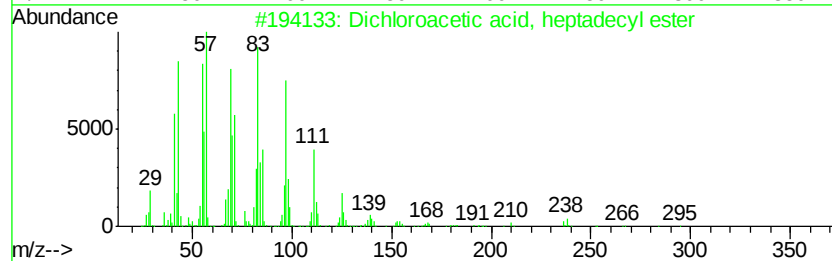
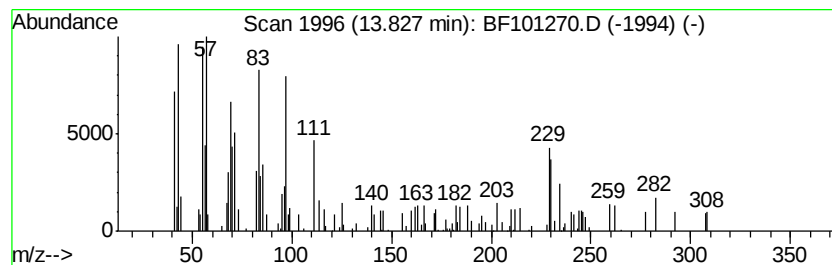
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Dichloroacetic acid, heptad... Concentration Rank 18

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.83 | 2.52 ng | 59774 | Chrysene-d12     | 14.01 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 78   |
| 2    |    |   | 2- Chloropropionic acid, hexadec... | 332 | C19H37ClO2  | 086711-81-1  | 60   |
| 3    |    |   | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2  | 088104-31-8  | 60   |
| 4    |    |   | 1-Heneicosanol                      | 312 | C21H44O     | 015594-90-8  | 60   |
| 5    |    |   | Behenic alcohol                     | 326 | C22H46O     | 000661-19-8  | 60   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120817\  
Data File : BF101270.D  
Acq On : 9 Dec 2017 8:24  
Operator : SJ/JU  
Sample : I6744-01  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

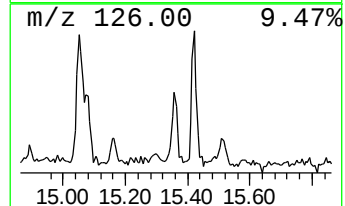
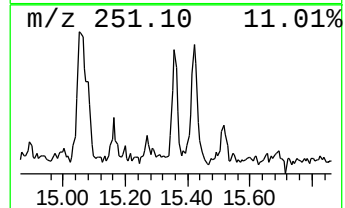
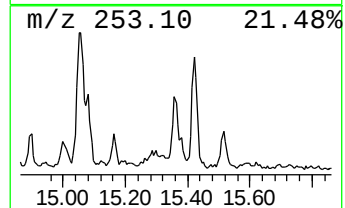
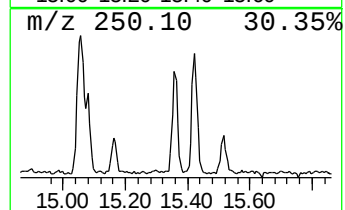
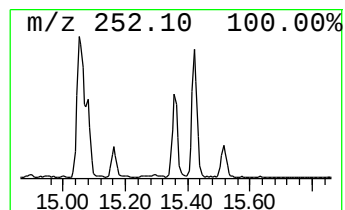
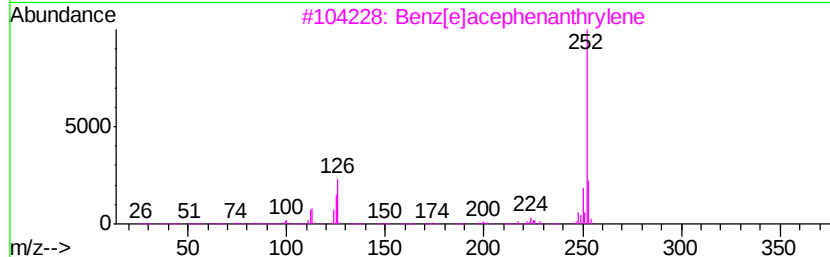
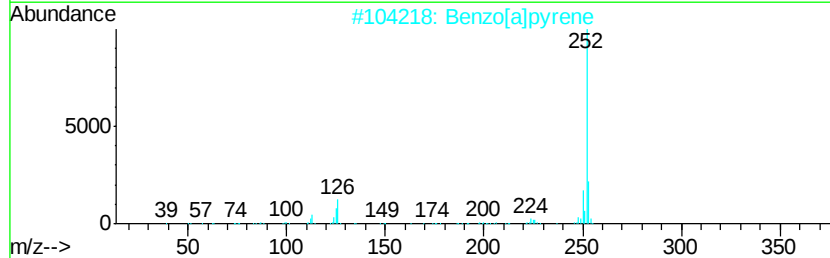
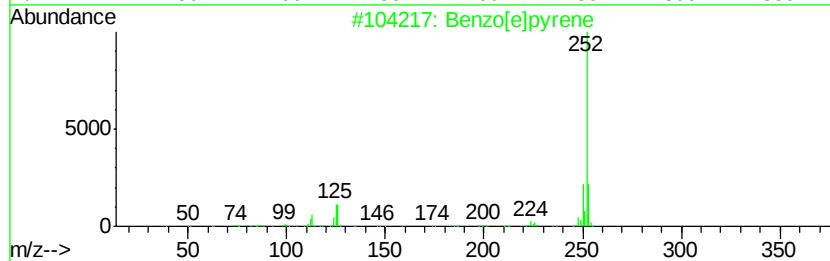
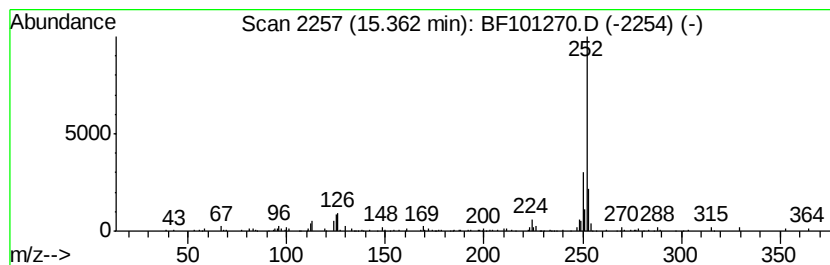
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

| R.T.  | EstConc  | Area  | Relative to ISTD | R.T.  |
|-------|----------|-------|------------------|-------|
| 15.36 | 10.81 ng | 85435 | Perylene-d12     | 15.49 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 96   |
| 2    |    | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 94   |
| 3    |    | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 92   |
| 4    |    | Perylene                 | 252 | C20H12  | 000198-55-0 | 90   |
| 5    |    | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 90   |



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 Operator : SJ/JU  
 Sample : I6744-01  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PROS-3-E(0-1)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.05  | 5.6 ng  |       | 70252    | 1                     | 6.83  | 249773 | 20.0 |
| unknown6.60          | 6.60  | 75.9 ng |       | 948213   | 1                     | 6.83  | 249773 | 20.0 |
| Tetradecane          | 9.79  | 2.7 ng  |       | 40394    | 3                     | 9.86  | 296676 | 20.0 |
| Tridecane            | 10.29 | 3.0 ng  |       | 44364    | 3                     | 9.86  | 296676 | 20.0 |
| Eicosane, 10-methyl- | 10.76 | 5.0 ng  |       | 69653    | 4                     | 11.36 | 281376 | 20.0 |
| Phenanthrene, 2-m... | 11.86 | 4.2 ng  |       | 59102    | 4                     | 11.36 | 281376 | 20.0 |
| Anthracene, 9-met... | 11.93 | 2.4 ng  |       | 33951    | 4                     | 11.36 | 281376 | 20.0 |
| Benzaldehyde, 3,5... | 11.97 | 6.9 ng  |       | 96479    | 4                     | 11.36 | 281376 | 20.0 |
| Naphthalene, 2-ph... | 12.15 | 2.5 ng  |       | 34881    | 4                     | 11.36 | 281376 | 20.0 |
| di-p-Tolylacetylene  | 12.41 | 3.7 ng  |       | 52674    | 4                     | 11.36 | 281376 | 20.0 |
| Phenanthrene, 3,6... | 12.44 | 3.0 ng  |       | 41821    | 4                     | 11.36 | 281376 | 20.0 |
| Cyclopenta(def)ph... | 12.50 | 3.6 ng  |       | 50989    | 4                     | 11.36 | 281376 | 20.0 |
| 11H-Benzo[b]fluorene | 13.02 | 2.8 ng  |       | 66523    | 5                     | 14.01 | 473828 | 20.0 |
| Pyrene, 2-methyl-    | 13.24 | 3.2 ng  |       | 76011    | 5                     | 14.01 | 473828 | 20.0 |
| Dichloroacetic ac... | 13.83 | 2.5 ng  |       | 59774    | 5                     | 14.01 | 473828 | 20.0 |
| Benzo[e]pyrene       | 15.36 | 10.8 ng |       | 85435    | 6                     | 15.49 | 158048 | 20.0 |