

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF022719\  
 Data File : BF112735.D  
 Acq On : 27 Feb 2019 22:50  
 Operator : JU/SJ  
 Sample : K1627-02 5X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-01-(6-2)

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 # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 5.334    | 549        | 552      | 556       | rBV   | 812488      | 764197     | 14.87%       | 1.275%     |
| 2      | 6.357    | 723        | 726      | 737       | rVB   | 906909      | 812259     | 15.81%       | 1.355%     |
| 3      | 6.504    | 747        | 751      | 754       | rBV   | 1000297     | 788577     | 15.35%       | 1.315%     |
| 4      | 6.740    | 788        | 791      | 795       | rBV   | 1309060     | 1035856    | 20.16%       | 1.728%     |
| 5      | 6.892    | 814        | 817      | 821       | rBV   | 658995      | 588623     | 11.46%       | 0.982%     |
| 6      | 7.292    | 881        | 885      | 888       | rBV   | 565348      | 416693     | 8.11%        | 0.695%     |
| 7      | 8.022    | 1005       | 1009     | 1011      | rBV   | 1621788     | 1250563    | 24.34%       | 2.086%     |
| 8      | 8.039    | 1011       | 1012     | 1015      | rVB   | 198150      | 136728     | 2.66%        | 0.228%     |
| 9      | 9.092    | 1188       | 1191     | 1195      | rBV   | 864469      | 667199     | 12.99%       | 1.113%     |
| 10     | 9.769    | 1302       | 1306     | 1309      | rBV2  | 1455149     | 1180300    | 22.97%       | 1.969%     |
| 11     | 9.798    | 1309       | 1311     | 1315      | rVB   | 505557      | 430923     | 8.39%        | 0.719%     |
| 12     | 9.969    | 1337       | 1340     | 1344      | rBV   | 183208      | 155007     | 3.02%        | 0.259%     |
| 13     | 10.310   | 1395       | 1398     | 1402      | rVB   | 328187      | 284159     | 5.53%        | 0.474%     |
| 14     | 10.380   | 1403       | 1410     | 1412      | rBV   | 41597       | 51820      | 1.01%        | 0.086%     |
| 15     | 10.545   | 1435       | 1438     | 1443      | rBV2  | 515197      | 475522     | 9.26%        | 0.793%     |
| 16     | 11.110   | 1529       | 1534     | 1536      | rBV2  | 72341       | 69071      | 1.34%        | 0.115%     |
| 17     | 11.139   | 1536       | 1539     | 1543      | rVB   | 157101      | 140226     | 2.73%        | 0.234%     |
| 18     | 11.245   | 1554       | 1557     | 1559      | rBV   | 1491104     | 1324960    | 25.79%       | 2.210%     |
| 19     | 11.269   | 1559       | 1561     | 1565      | rVV   | 2743220     | 2301173    | 44.79%       | 3.839%     |
| 20     | 11.322   | 1565       | 1570     | 1572      | rVV   | 739229      | 673922     | 13.12%       | 1.124%     |
| 21     | 11.351   | 1572       | 1575     | 1579      | rVB   | 109970      | 96542      | 1.88%        | 0.161%     |
| 22     | 11.469   | 1590       | 1595     | 1599      | rBV   | 516895      | 459399     | 8.94%        | 0.766%     |
| 23     | 11.745   | 1636       | 1642     | 1644      | rBV   | 199591      | 164352     | 3.20%        | 0.274%     |
| 24     | 11.775   | 1644       | 1647     | 1651      | rVV   | 302375      | 284448     | 5.54%        | 0.474%     |
| 25     | 11.822   | 1651       | 1655     | 1658      | rVV   | 110121      | 108839     | 2.12%        | 0.182%     |
| 26     | 11.857   | 1658       | 1661     | 1663      | rVV   | 540928      | 469481     | 9.14%        | 0.783%     |
| 27     | 11.880   | 1663       | 1665     | 1668      | rVB   | 112304      | 89543      | 1.74%        | 0.149%     |
| 28     | 12.039   | 1689       | 1692     | 1698      | rVB2  | 173627      | 181114     | 3.53%        | 0.302%     |
| 29     | 12.292   | 1732       | 1735     | 1738      | rBV   | 76021       | 87195      | 1.70%        | 0.145%     |
| 30     | 12.333   | 1738       | 1742     | 1744      | rVV2  | 62891       | 72257      | 1.41%        | 0.121%     |
| 31     | 12.374   | 1747       | 1749     | 1754      | rVB4  | 36255       | 53347      | 1.04%        | 0.089%     |
| 32     | 12.457   | 1758       | 1763     | 1766      | rBV   | 4311168     | 3877828    | 75.48%       | 6.469%     |
| 33     | 12.510   | 1766       | 1772     | 1775      | rBV2  | 84497       | 94858      | 1.85%        | 0.158%     |
| 34     | 12.598   | 1783       | 1787     | 1795      | rVB2  | 148586      | 208157     | 4.05%        | 0.347%     |

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 Sample : K1627-02 5X  
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 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-01-(6-2)

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

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 12.680 | 1795 | 1801 | 1807 | rBV  | 3664022 | 4492966 | 87.45%  | 7.495% |
| 36 | 12.727 | 1807 | 1809 | 1815 | rVB3 | 166560  | 167342  | 3.26%   | 0.279% |
| 37 | 12.798 | 1818 | 1821 | 1823 | rBV  | 249482  | 200496  | 3.90%   | 0.334% |
| 38 | 12.827 | 1823 | 1826 | 1831 | rVB2 | 1087756 | 995209  | 19.37%  | 1.660% |
| 39 | 12.898 | 1832 | 1838 | 1840 | rBV3 | 179248  | 317695  | 6.18%   | 0.530% |
| 40 | 12.921 | 1840 | 1842 | 1845 | rVB  | 215115  | 168027  | 3.27%   | 0.280% |
| 41 | 12.957 | 1845 | 1848 | 1850 | rBV2 | 81567   | 86203   | 1.68%   | 0.144% |
| 42 | 13.004 | 1853 | 1856 | 1859 | rVB  | 753110  | 777534  | 15.13%  | 1.297% |
| 43 | 13.074 | 1864 | 1868 | 1871 | rBV  | 911797  | 769652  | 14.98%  | 1.284% |
| 44 | 13.110 | 1871 | 1874 | 1876 | rVV  | 365628  | 324638  | 6.32%   | 0.542% |
| 45 | 13.133 | 1876 | 1878 | 1881 | rVB  | 315511  | 285079  | 5.55%   | 0.476% |
| 46 | 13.169 | 1881 | 1884 | 1887 | rBV2 | 96654   | 79047   | 1.54%   | 0.132% |
| 47 | 13.198 | 1887 | 1889 | 1892 | rVB  | 172900  | 144762  | 2.82%   | 0.241% |
| 48 | 13.227 | 1892 | 1894 | 1899 | rBV2 | 192275  | 212444  | 4.13%   | 0.354% |
| 49 | 13.363 | 1915 | 1917 | 1919 | rBV  | 157019  | 117248  | 2.28%   | 0.196% |
| 50 | 13.433 | 1926 | 1929 | 1931 | rVB  | 167989  | 158109  | 3.08%   | 0.264% |
| 51 | 13.486 | 1935 | 1938 | 1939 | rBV2 | 121838  | 113868  | 2.22%   | 0.190% |
| 52 | 13.621 | 1956 | 1961 | 1964 | rBV  | 547483  | 588111  | 11.45%  | 0.981% |
| 53 | 13.651 | 1964 | 1966 | 1968 | rVV  | 417589  | 357615  | 6.96%   | 0.597% |
| 54 | 13.674 | 1968 | 1970 | 1978 | rVB5 | 349687  | 594660  | 11.57%  | 0.992% |
| 55 | 13.786 | 1984 | 1989 | 1993 | rBV  | 190894  | 273587  | 5.33%   | 0.456% |
| 56 | 13.868 | 1996 | 2003 | 2006 | rVV3 | 3526615 | 5137722 | 100.00% | 8.570% |
| 57 | 13.904 | 2006 | 2009 | 2014 | rVB  | 2853702 | 2831038 | 55.10%  | 4.722% |
| 58 | 13.980 | 2016 | 2022 | 2025 | rVV  | 815517  | 845860  | 16.46%  | 1.411% |
| 59 | 14.027 | 2028 | 2030 | 2032 | rVV2 | 94633   | 104262  | 2.03%   | 0.174% |
| 60 | 14.057 | 2032 | 2035 | 2037 | rVV  | 475208  | 410076  | 7.98%   | 0.684% |
| 61 | 14.092 | 2037 | 2041 | 2045 | rVV2 | 431900  | 548461  | 10.68%  | 0.915% |
| 62 | 14.127 | 2045 | 2047 | 2051 | rVB2 | 76646   | 68154   | 1.33%   | 0.114% |
| 63 | 14.186 | 2054 | 2057 | 2060 | rBV2 | 176321  | 199368  | 3.88%   | 0.333% |
| 64 | 14.221 | 2060 | 2063 | 2065 | rBV  | 168489  | 162439  | 3.16%   | 0.271% |
| 65 | 14.257 | 2065 | 2069 | 2072 | rVV  | 470312  | 555686  | 10.82%  | 0.927% |
| 66 | 14.292 | 2072 | 2075 | 2077 | rVB2 | 234929  | 231998  | 4.52%   | 0.387% |
| 67 | 14.351 | 2082 | 2085 | 2087 | rBV2 | 301032  | 278722  | 5.43%   | 0.465% |
| 68 | 14.380 | 2087 | 2090 | 2091 | rVV  | 258659  | 215395  | 4.19%   | 0.359% |
| 69 | 14.398 | 2091 | 2093 | 2097 | rVB2 | 547978  | 562010  | 10.94%  | 0.937% |
| 70 | 14.433 | 2097 | 2099 | 2101 | rBV  | 146671  | 161979  | 3.15%   | 0.270% |
| 71 | 14.663 | 2136 | 2138 | 2143 | rVB3 | 110767  | 120981  | 2.35%   | 0.202% |

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Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-01-(6-2)

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

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 14.733 | 2147 | 2150 | 2153 | rVV  | 225406  | 233000  | 4.54%  | 0.389% |
| 73 | 14.827 | 2164 | 2166 | 2170 | rVB  | 89196   | 76482   | 1.49%  | 0.128% |
| 74 | 14.886 | 2171 | 2176 | 2179 | rBV  | 2402916 | 3835175 | 74.65% | 6.397% |
| 75 | 14.980 | 2189 | 2192 | 2198 | rVB  | 590452  | 617563  | 12.02% | 1.030% |
| 76 | 15.068 | 2203 | 2207 | 2208 | rBV2 | 108839  | 137928  | 2.68%  | 0.230% |
| 77 | 15.168 | 2219 | 2224 | 2229 | rVB  | 1479836 | 1845981 | 35.93% | 3.079% |
| 78 | 15.227 | 2229 | 2234 | 2239 | rVB  | 2230500 | 2584596 | 50.31% | 4.311% |
| 79 | 15.280 | 2239 | 2243 | 2245 | rBV  | 875445  | 978143  | 19.04% | 1.632% |
| 80 | 15.310 | 2245 | 2248 | 2255 | rVB  | 711913  | 925327  | 18.01% | 1.544% |
| 81 | 15.621 | 2298 | 2301 | 2306 | rVB3 | 124644  | 193793  | 3.77%  | 0.323% |
| 82 | 15.798 | 2328 | 2331 | 2339 | rVB  | 165806  | 227463  | 4.43%  | 0.379% |
| 83 | 16.462 | 2440 | 2444 | 2453 | rVB2 | 139765  | 369741  | 7.20%  | 0.617% |
| 84 | 16.639 | 2468 | 2474 | 2481 | rVB2 | 953609  | 1845536 | 35.92% | 3.079% |
| 85 | 16.792 | 2497 | 2500 | 2505 | rVB2 | 146523  | 228068  | 4.44%  | 0.380% |
| 86 | 16.851 | 2506 | 2510 | 2515 | rBV2 | 132370  | 214546  | 4.18%  | 0.358% |
| 87 | 17.045 | 2536 | 2543 | 2553 | rVB  | 751429  | 1491294 | 29.03% | 2.488% |
| 88 | 17.256 | 2573 | 2579 | 2592 | rVB  | 298206  | 689956  | 13.43% | 1.151% |

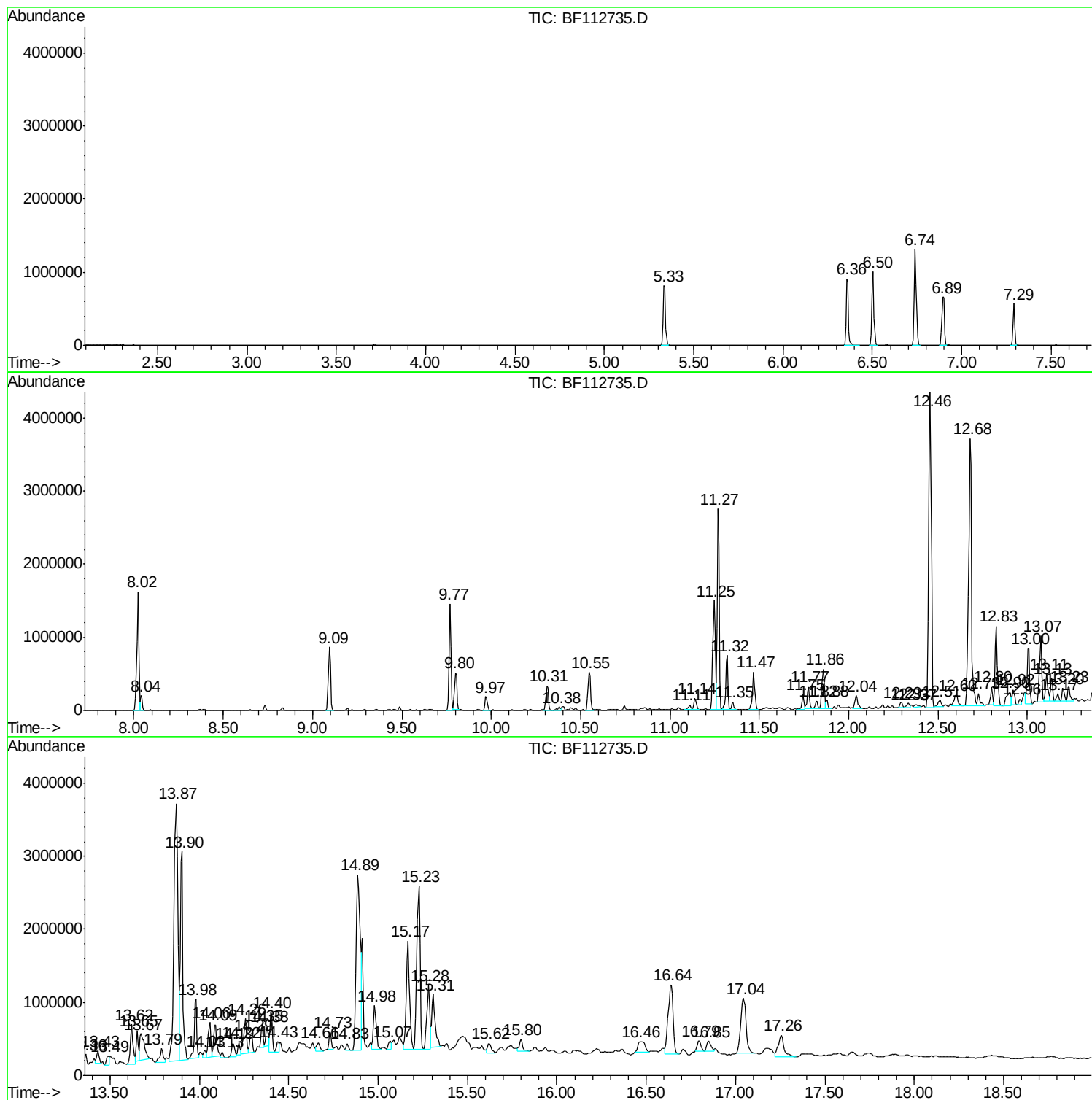
Sum of corrected areas: 59948173

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Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-01-(6-2)

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
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Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

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

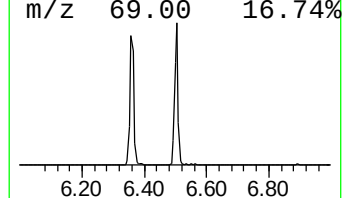
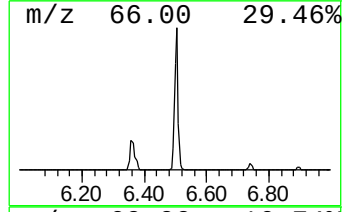
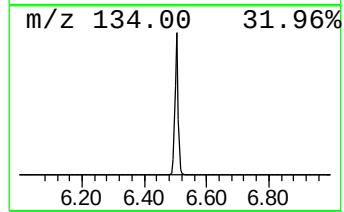
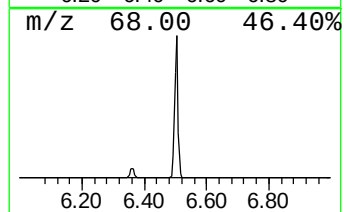
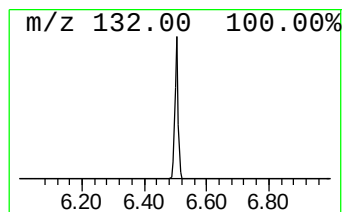
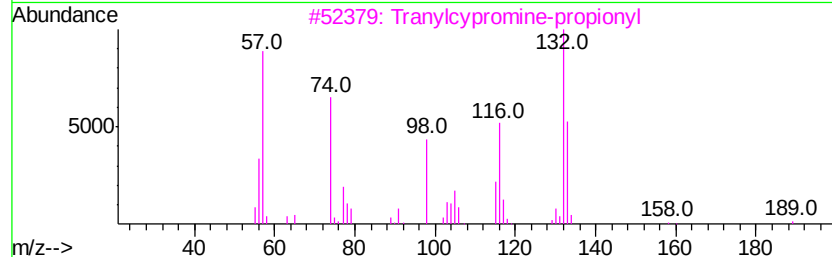
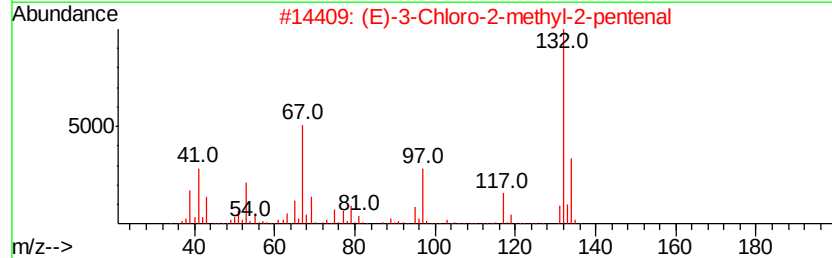
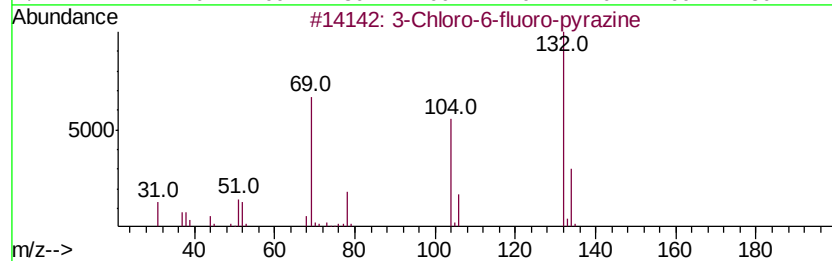
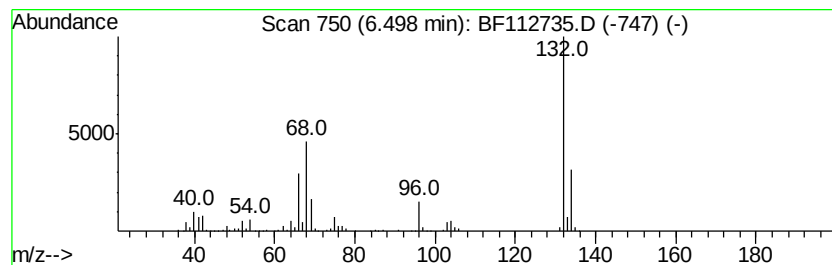
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown6.50 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.50 | 15.23 ng | 788577 | 1,4-Dichlorobenzene-d4 | 6.74 |

| 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    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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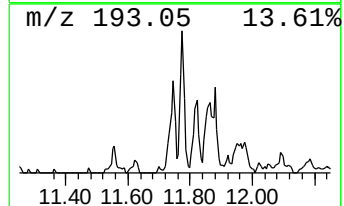
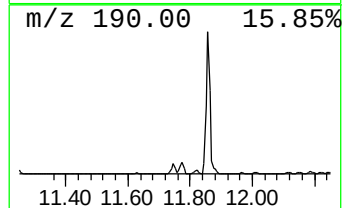
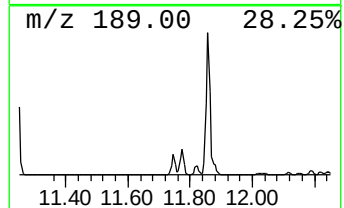
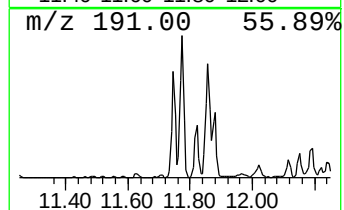
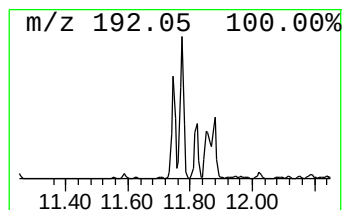
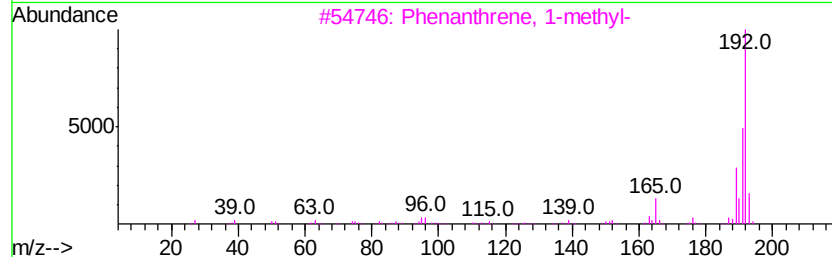
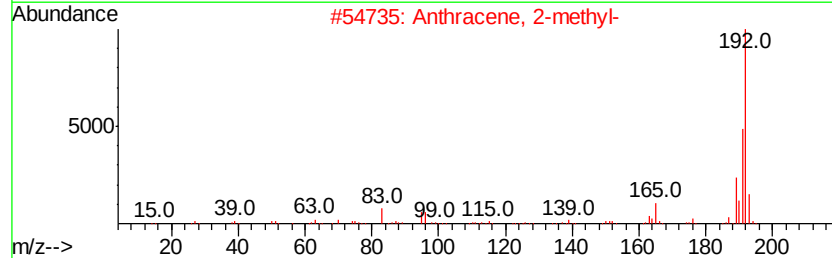
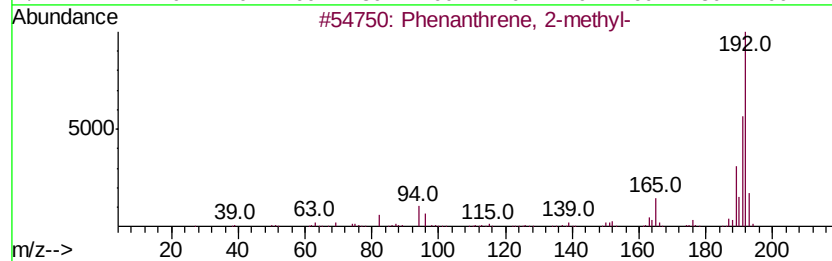
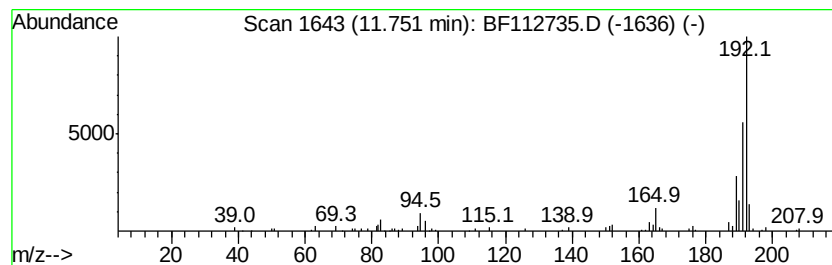
Instrument :  
BNA\_F  
ClientSampleId :  
SB-01-(6-2)

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 3 Phenanthrene, 2-methyl- Concentration Rank 19

| R.T.      | EstConc                 | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------|--------|------------------|-------------|-------|
| 11.75     | 2.48 ng                 | 164352 | Phenanthrene-d10 |             | 11.25 |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual  |
| 1         | Phenanthrene, 2-methyl- | 192    | C15H12           | 002531-84-2 | 97    |
| 2         | Anthracene, 2-methyl-   | 192    | C15H12           | 000613-12-7 | 94    |
| 3         | Phenanthrene, 1-methyl- | 192    | C15H12           | 000832-69-9 | 93    |
| 4         | Anthracene, 1-methyl-   | 192    | C15H12           | 000610-48-0 | 91    |
| 5         | Phenanthrene, 3-methyl- | 192    | C15H12           | 000832-71-3 | 91    |



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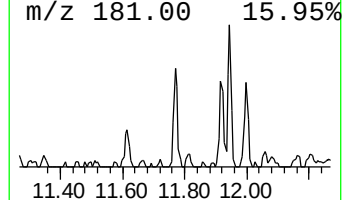
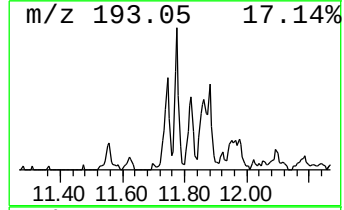
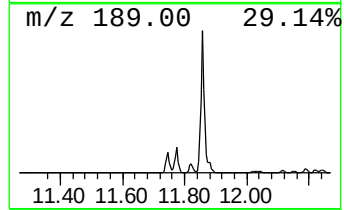
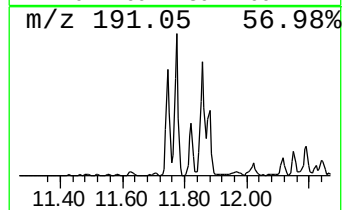
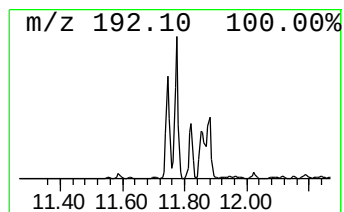
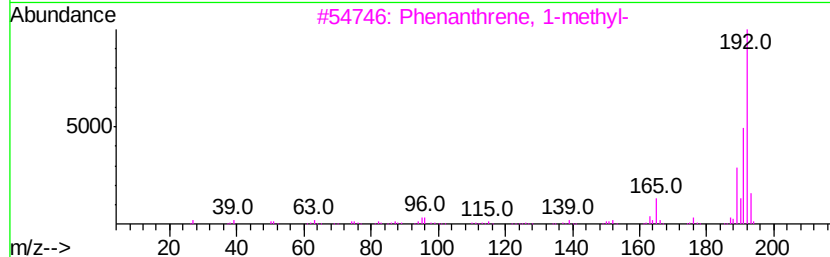
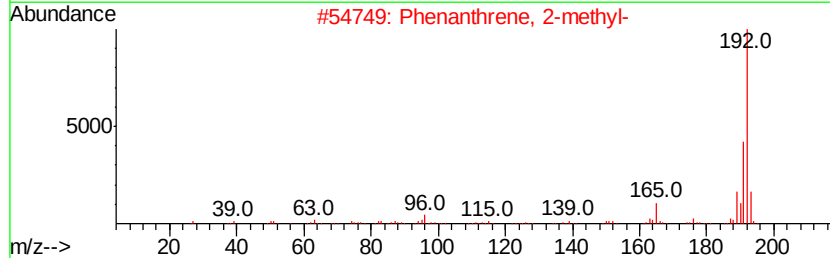
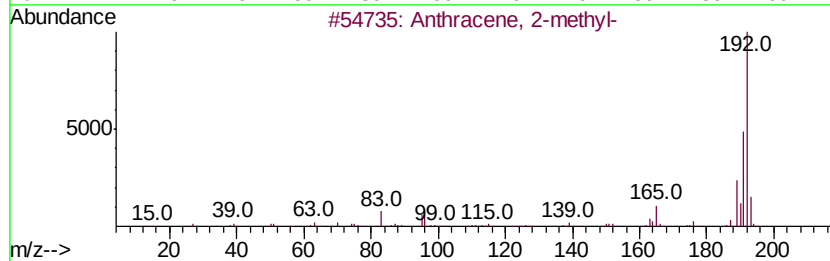
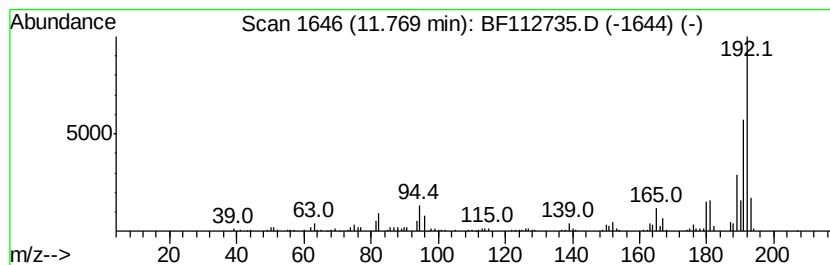
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Anthracene, 2-methyl- Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.77 | 4.29 ng | 284448 | Phenanthrene-d10 | 11.25 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------|-----|---------|-------------|------|
| 1       |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 96   |
| 2       |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 3       |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 95   |
| 4       |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 93   |
| 5       |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

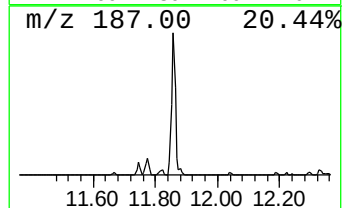
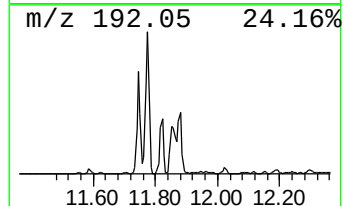
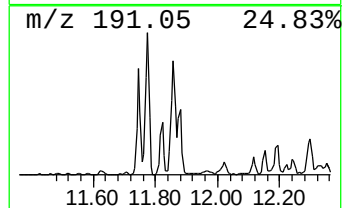
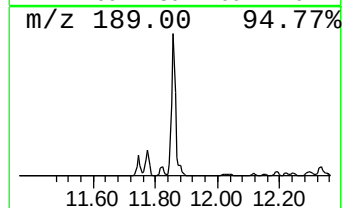
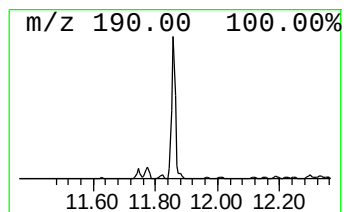
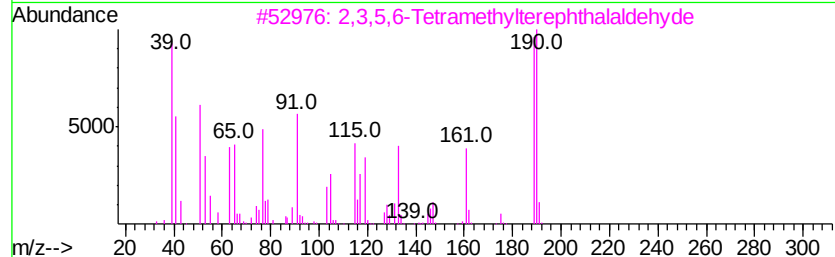
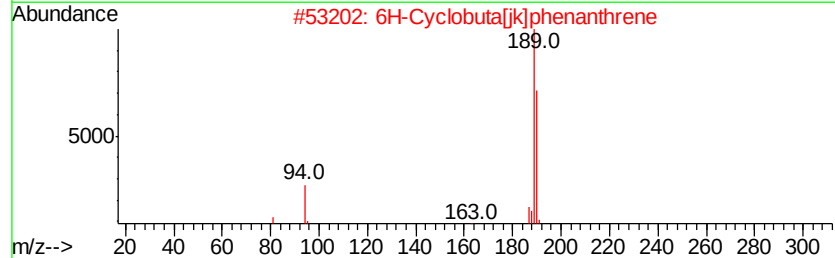
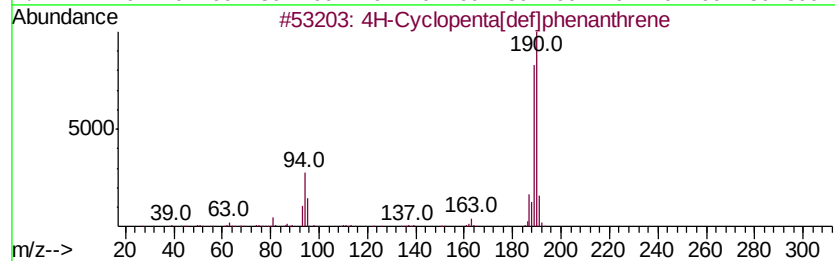
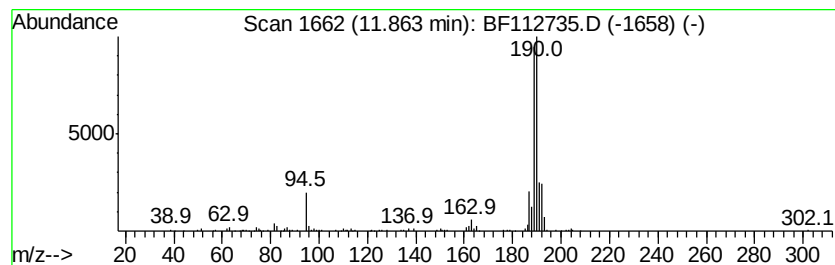
Instrument :  
BNA\_F  
ClientSampleId :  
SB-01-(6-2)

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 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 11.86     | 7.09 ng                             | 469481 | Phenanthrene-d10 | 11.25       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 4H-Cyclopenta[def]phenanthrene      | 190    | C15H10           | 000203-64-5 | 94   |
| 2         | 6H-Cyclobuta[i]phenanthrene         | 190    | C15H10           | 083469-43-6 | 64   |
| 3         | 2,3,5,6-Tetramethylterephthalald... | 190    | C12H14O2         | 007072-01-7 | 50   |
| 4         | Thiophene-3-carboxaldehyde, 5-ch... | 190    | C5H4BClO3S       | 036155-87-0 | 40   |
| 5         | 2,2'-Bis(4,5-dimethylimidazole)     | 190    | C10H14N4         | 069286-06-2 | 40   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
SB-01-(6-2)

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

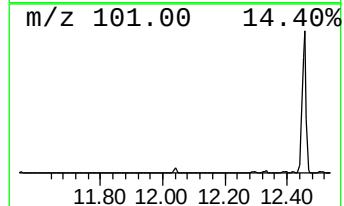
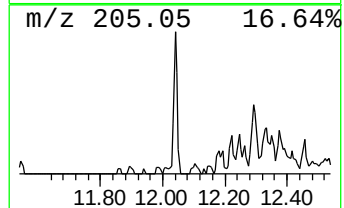
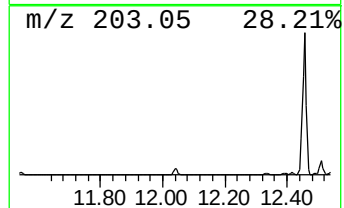
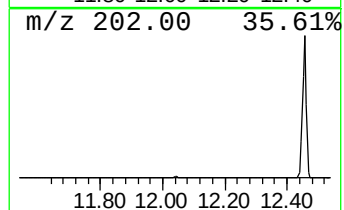
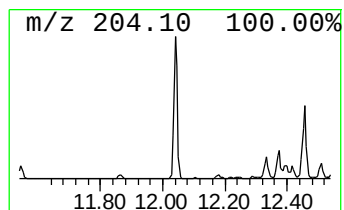
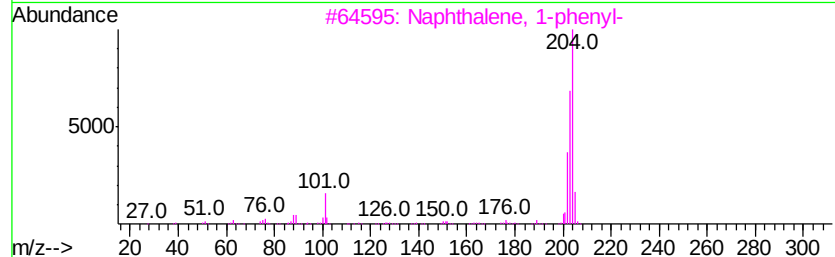
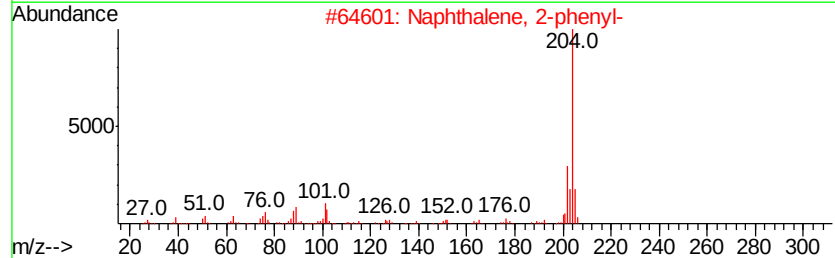
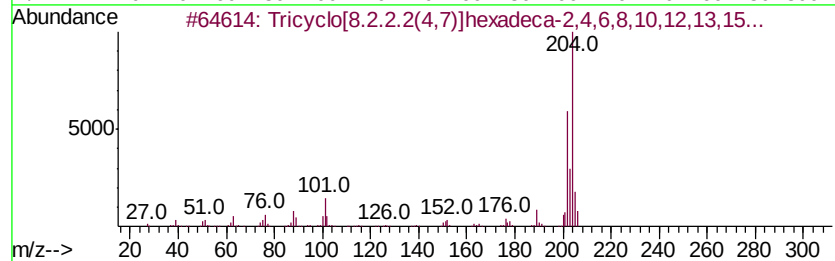
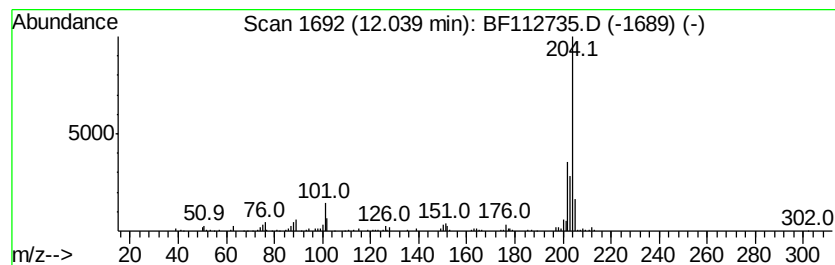
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.04 | 2.73 ng | 181114 | Phenanthrene-d10 | 11.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12  | 006572-60-7 | 90   |
| 2    |    | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 76   |
| 3    |    | Naphthalene, 1-phenyl-              | 204 | C16H12  | 000605-02-7 | 70   |
| 4    |    | 3,4-Biphenyldicarbonitrile          | 204 | C14H8N2 | 004128-63-6 | 53   |
| 5    |    | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24  | 005672-97-9 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-01-(6-2)

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

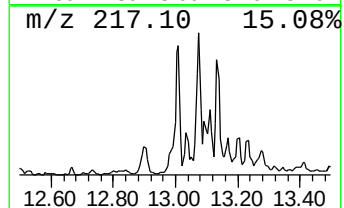
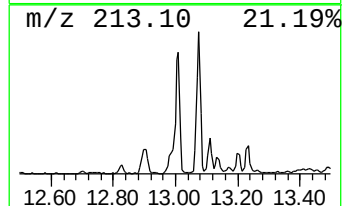
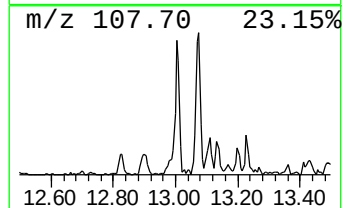
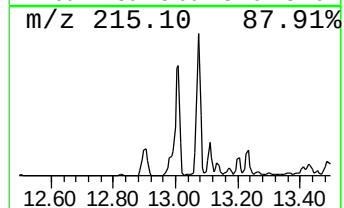
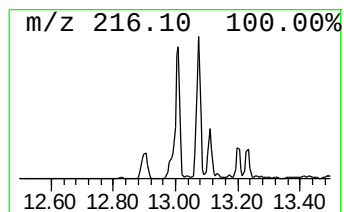
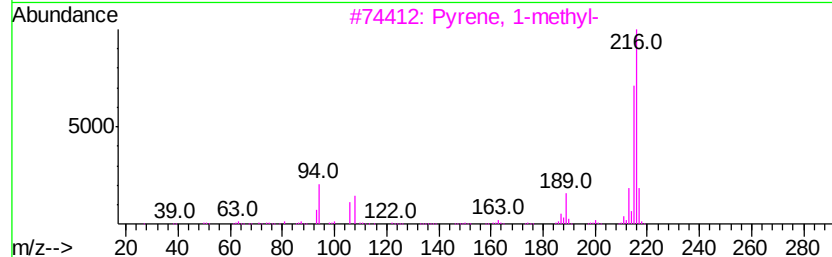
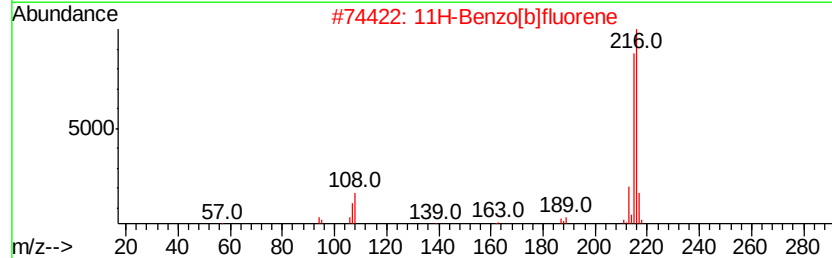
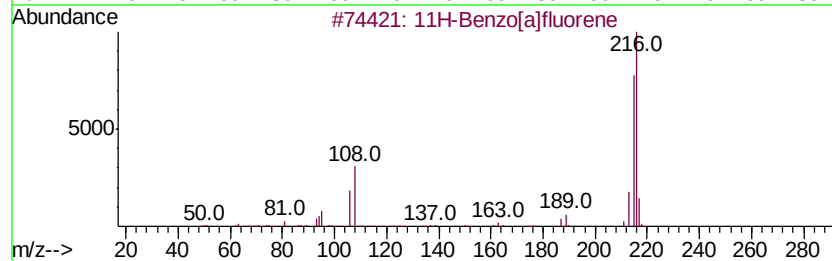
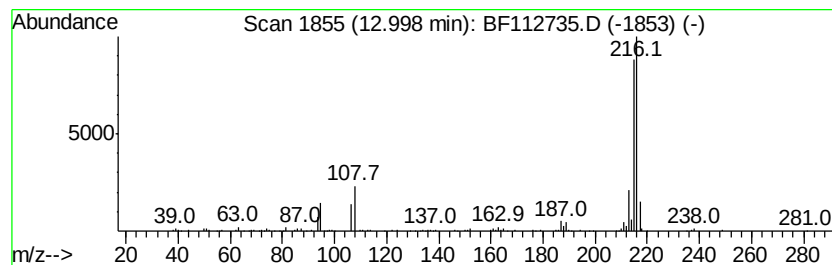
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.00 | 3.03 ng | 777534 | Chrysene-d12     | 13.87 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 93   |
| 2    |    | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 91   |
| 3    |    | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 83   |
| 4    |    | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 74   |
| 5    |    | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-01-(6-2)

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

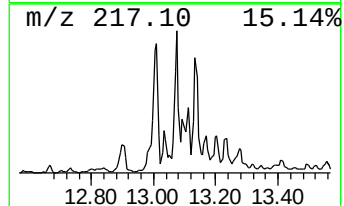
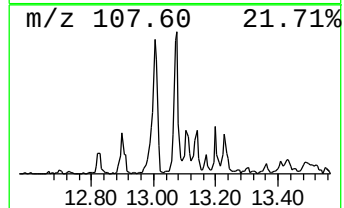
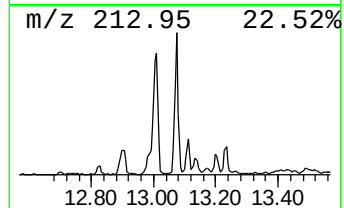
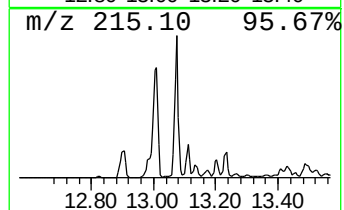
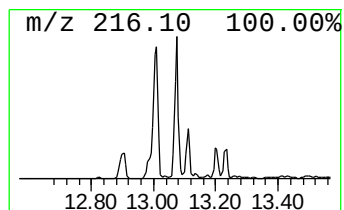
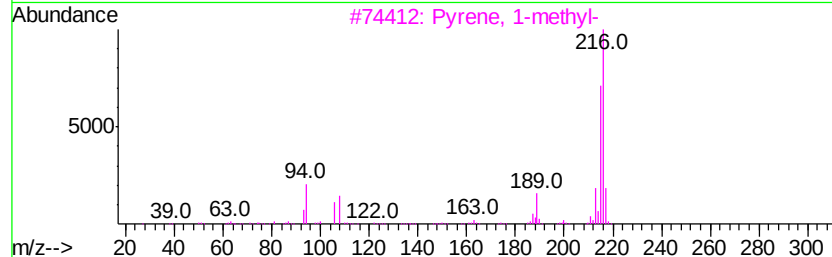
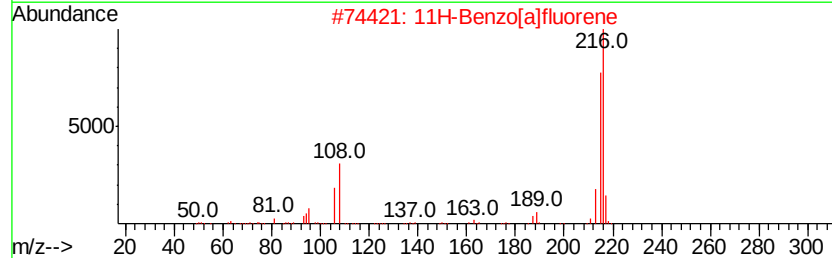
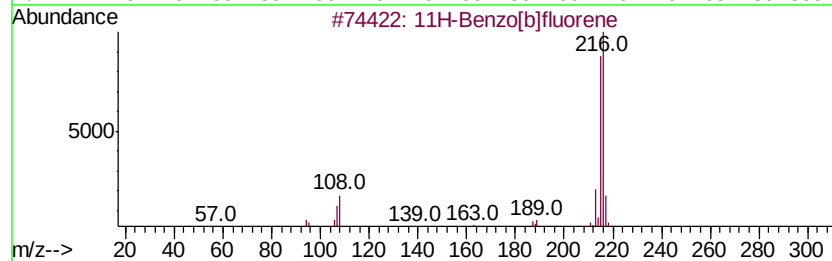
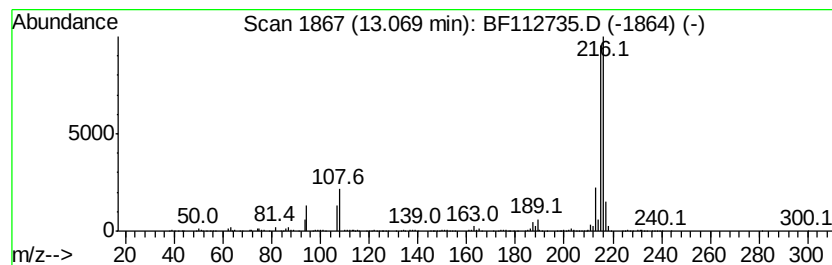
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.07 | 3.00 ng | 769652 | Chrysene-d12     | 13.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 11H-Benzo[b]fluorene                | 216 | C17H12    | 000243-17-4 | 91   |
| 2    |    | 11H-Benzo[a]fluorene                | 216 | C17H12    | 000238-84-6 | 91   |
| 3    |    | Pvrene, 1-methyl-                   | 216 | C17H12    | 002381-21-7 | 70   |
| 4    |    | Fluoranthene, 2-methyl-             | 216 | C17H12    | 033543-31-6 | 60   |
| 5    |    | trans-p-(Trifluoromethyl)cinnami... | 216 | C10H7F3O2 | 016642-92-5 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

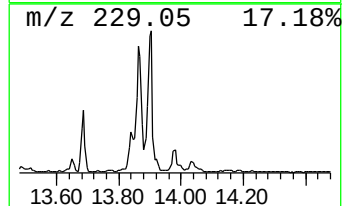
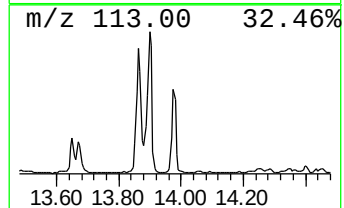
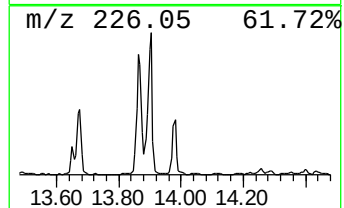
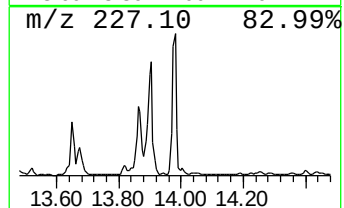
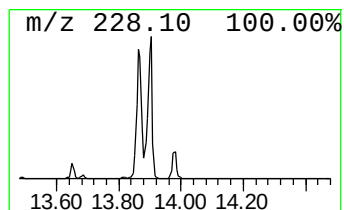
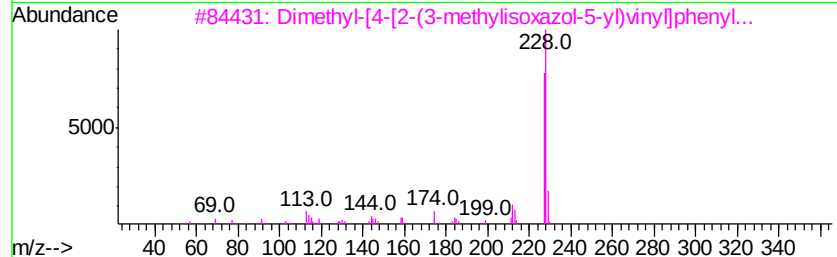
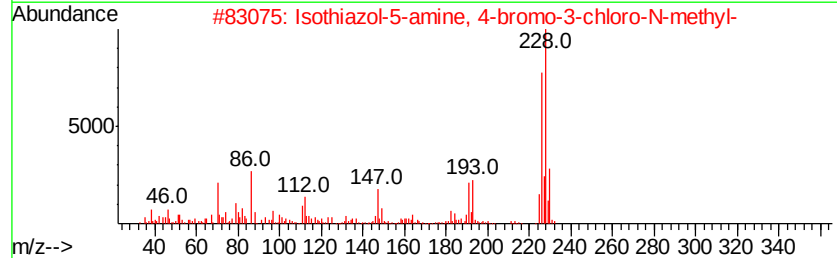
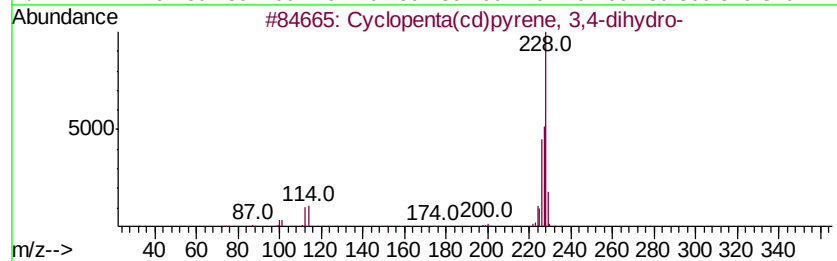
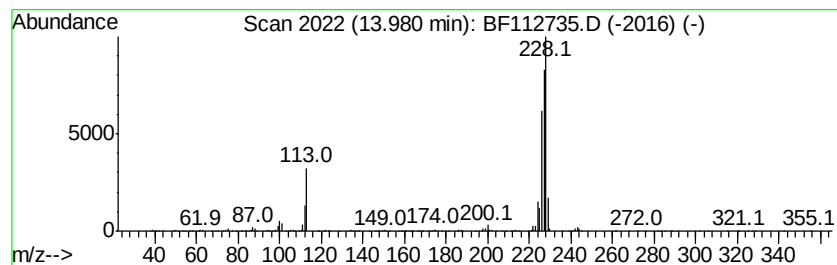
Instrument :  
BNA\_F  
ClientSampleId :  
SB-01-(6-2)

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 9 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 14

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.        |              |      |
|---------|---------|-------------------------------------|------------------|-------------|--------------|------|
| 13.98   | 3.29 ng | 845860                              | Chrysene-d12     | 13.87       |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |         | Cvclopenta(cd)pvrene, 3,4-dihydro-  | 228              | C18H12      | 025732-74-5  | 70   |
| 2       |         | Isothiazol-5-amine, 4-bromo-3-ch... | 226              | C4H4BrClN2S | 1000272-59-9 | 50   |
| 3       |         | Dimethyl-[4-[2-(3-methylisoxazol... | 228              | C14H16N2O   | 1000306-39-6 | 50   |
| 4       |         | Pyrazole-4-carboxaldehyde-, 3,5-... | 228              | C14H16N2O   | 1000272-54-8 | 40   |
| 5       |         | Purine-6(1H)-thione, 3,7-dimethy... | 228              | C7H8N4Se    | 023663-58-3  | 37   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

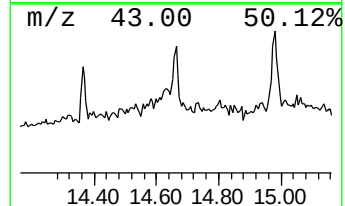
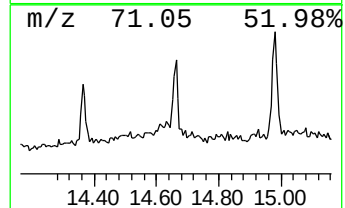
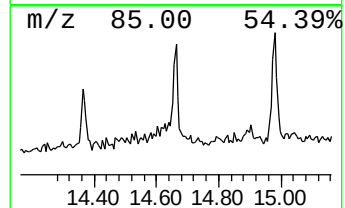
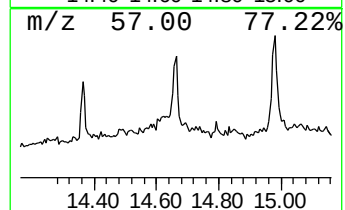
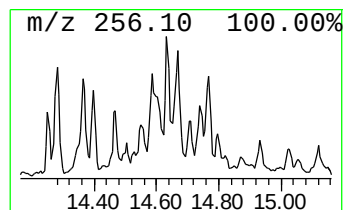
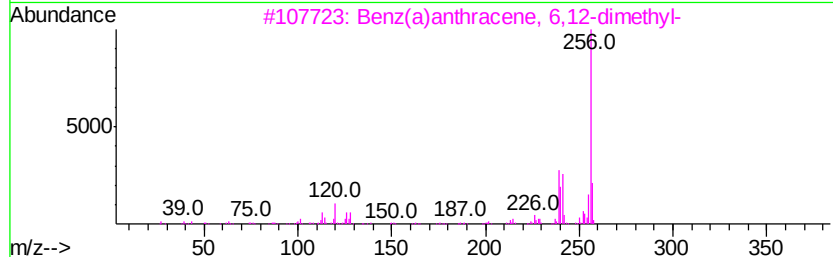
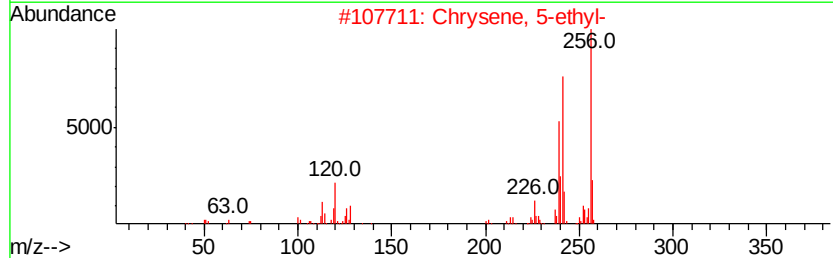
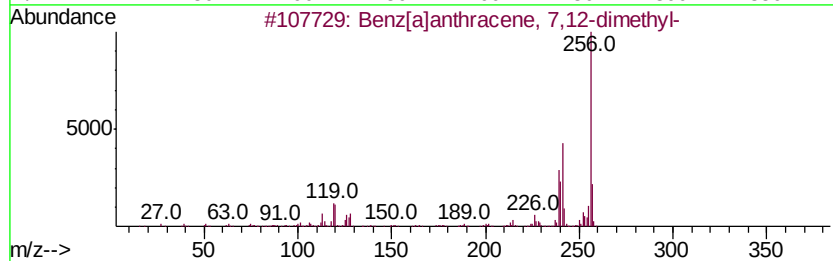
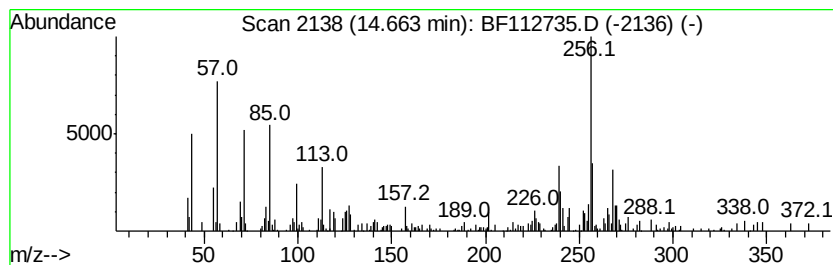
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SB-01-(6-2)

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 10 Benz[a]anthracene, 7,12-dim... Concentration Rank 20

| R.T.    | EstConc | Area                              | Relative to ISTD | R.T.    |             |      |
|---------|---------|-----------------------------------|------------------|---------|-------------|------|
| 14.66   | 2.47 ng | 120981                            | Perylene-d12     | 15.28   |             |      |
| Hit# of | 5       | Tentative ID                      | MW               | MolForm | CAS#        | Qual |
| 1       |         | Benz[alanthracene, 7,12-dimethyl- | 256              | C20H16  | 000057-97-6 | 64   |
| 2       |         | Chrysene, 5-ethyl-                | 256              | C20H16  | 054986-62-8 | 53   |
| 3       |         | Benz(a)anthracene, 6,12-dimethyl- | 256              | C20H16  | 000568-81-0 | 50   |
| 4       |         | 3,9-Dimethylbenz[alanthracene     | 256              | C20H16  | 000316-51-8 | 50   |
| 5       |         | 5,12-Dimethylbenz[alanthracene    | 256              | C20H16  | 021297-22-3 | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-01-(6-2)

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

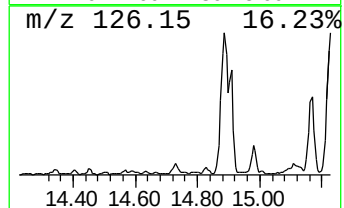
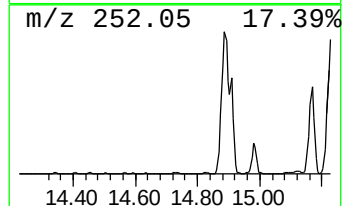
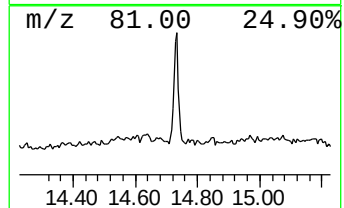
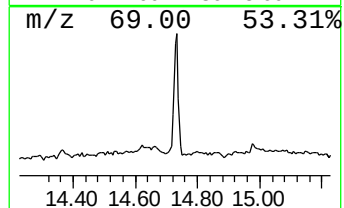
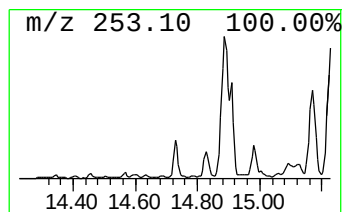
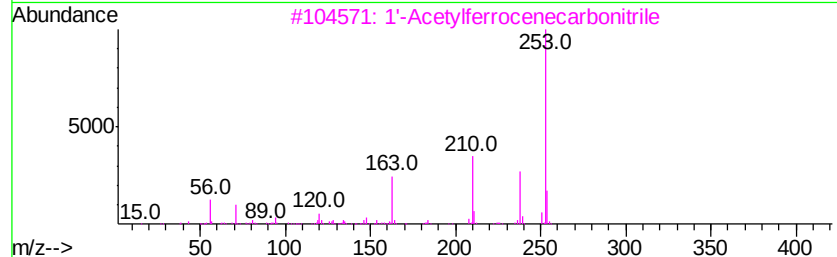
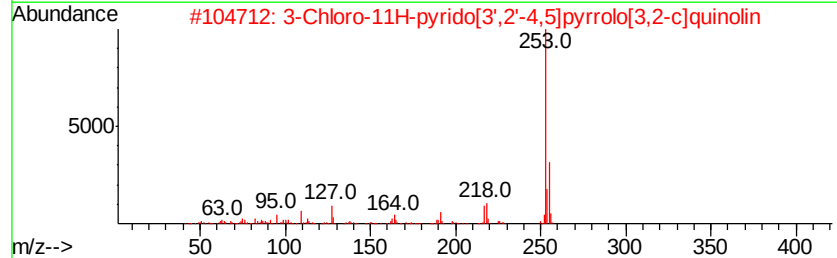
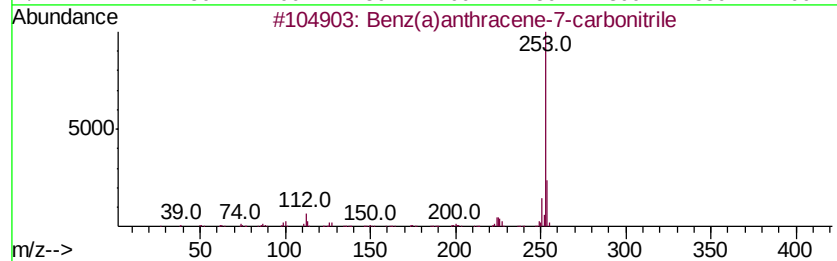
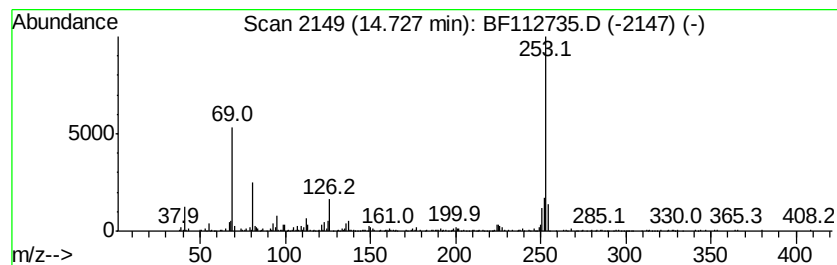
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Benz(a)anthracene-7-carboni... Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.73 | 4.76 ng | 233000 | Perylene-d12     | 15.28 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Benz(a)anthracene-7-carbonitrile    | 253 | C19H11N    | 007476-08-6  | 62   |
| 2    |    | 3-Chloro-11H-pyrido[3',2'-4,5]py... | 253 | C14H8ClN3  | 1000212-59-4 | 59   |
| 3    |    | 1'-Acetylferrocenecarbonitrile      | 253 | C13H11FeNO | 012276-85-6  | 53   |
| 4    |    | 1,3-Isoindolinedione, 2-(4-metho... | 253 | C15H11NO3  | 002142-04-3  | 50   |
| 5    |    | Phthalic acid, di(2,3-dimethylph... | 374 | C24H22O4   | 1000357-09-2 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

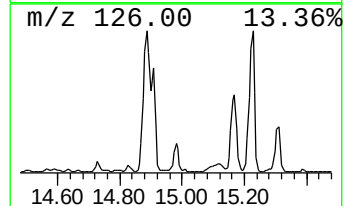
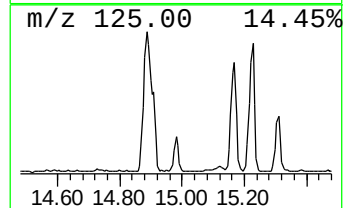
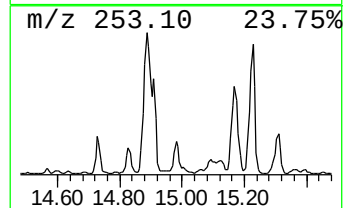
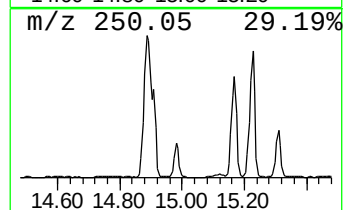
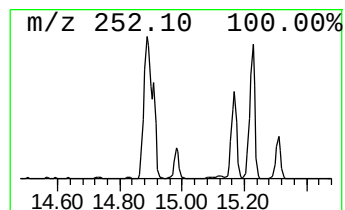
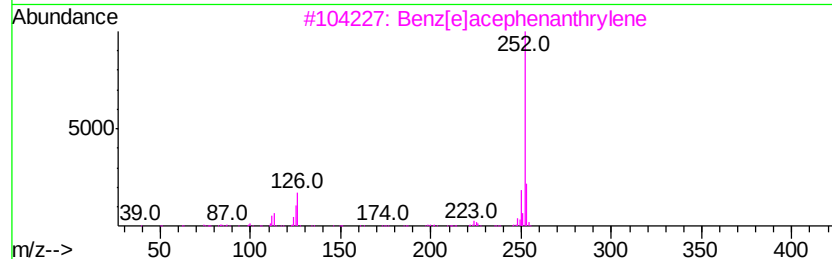
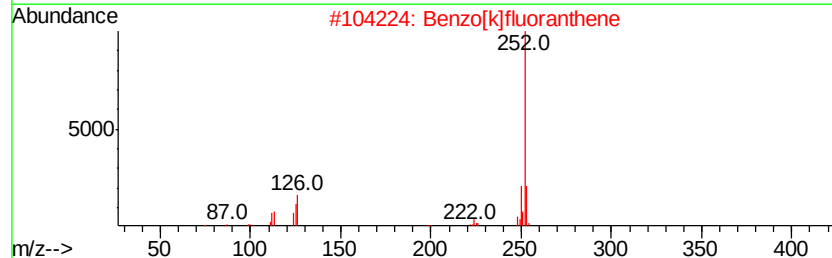
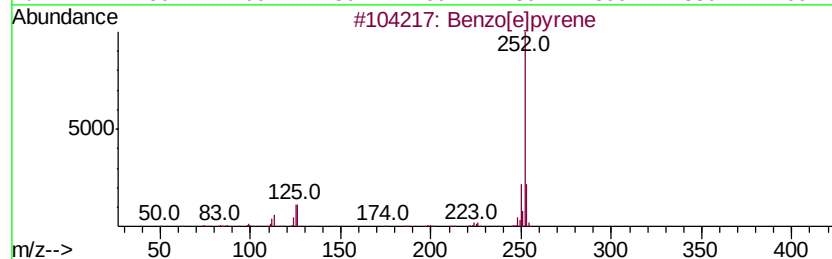
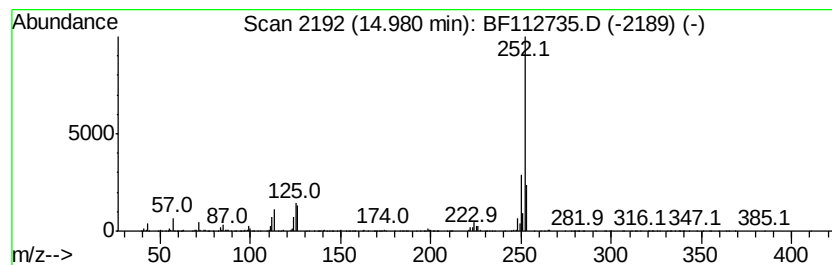
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ClientSampleId :  
SB-01-(6-2)

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 Benzo[e]pyrene Concentration Rank 4

| R.T.    | EstConc  | Area                      | Relative to ISTD | R.T.           |
|---------|----------|---------------------------|------------------|----------------|
| 14.98   | 12.63 ng | 617563                    | Perylene-d12     | 15.28          |
| Hit# of | 5        | Tentative ID              | MW MolForm       | CAS# Qual      |
| 1       |          | Benzo[e]pyrene            | 252 C20H12       | 000192-97-2 98 |
| 2       |          | Benzo[k]fluoranthene      | 252 C20H12       | 000207-08-9 96 |
| 3       |          | Benzo[e]acephenanthrylene | 252 C20H12       | 000205-99-2 96 |
| 4       |          | Benzo[a]pyrene            | 252 C20H12       | 000050-32-8 93 |
| 5       |          | Benzo[j]fluoranthene      | 252 C20H12       | 000205-82-3 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

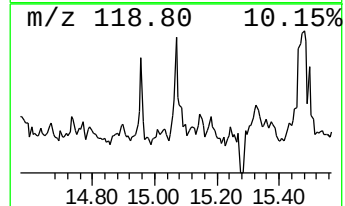
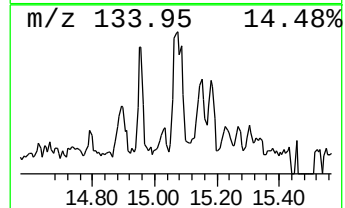
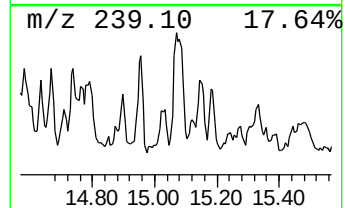
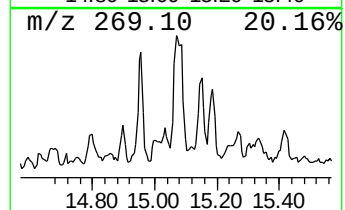
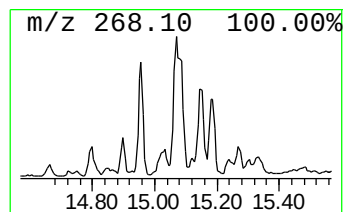
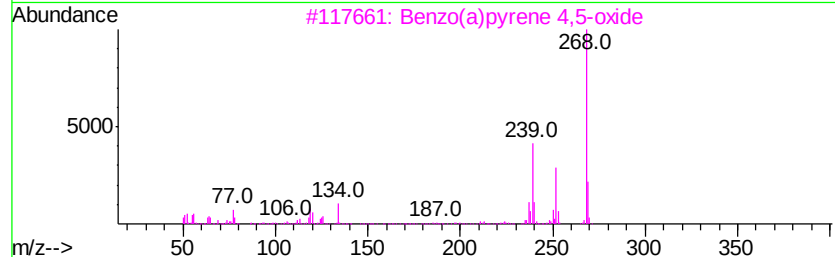
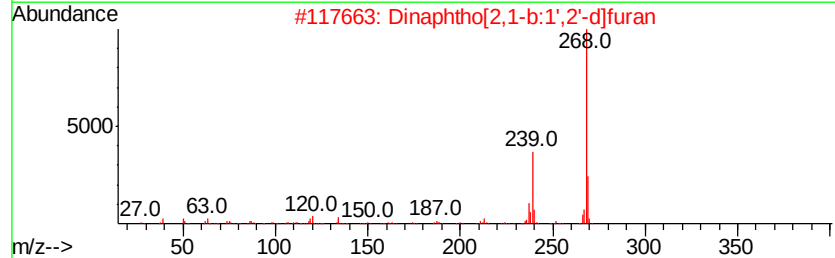
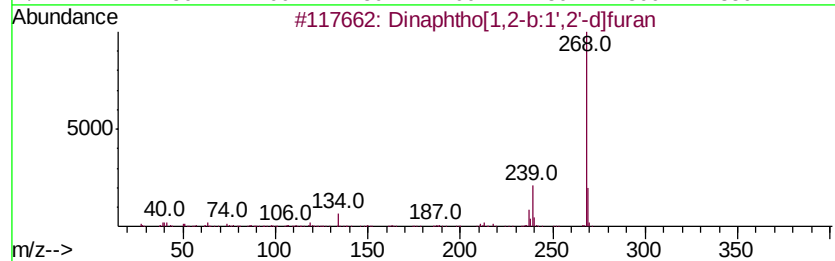
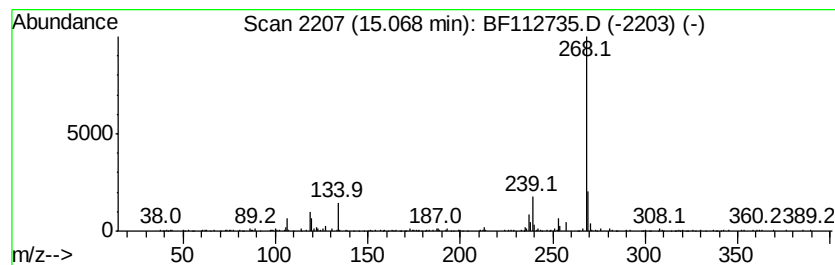
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ClientSampleId :  
SB-01-(6-2)

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 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 17

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.           |
|---------|---------|-------------------------------------|------------------|----------------|
| 15.07   | 2.82 ng | 137928                              | Perylene-d12     | 15.28          |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |         | Dinaphtho[1,2-b:1',2'-d]furan       | 268 C20H12O      | 000207-93-2 90 |
| 2       |         | Dinaphtho[2,1-b:1',2'-d]furan       | 268 C20H12O      | 000194-63-8 83 |
| 3       |         | Benzo(a)pyrene 4,5-oxide            | 268 C20H12O      | 037574-47-3 64 |
| 4       |         | trans-4'-Methyl-4-(methylthio)ch... | 268 C17H16OS     | 126443-27-4 59 |
| 5       |         | Benzo(a)pyren-7-ol                  | 268 C20H12O      | 037994-82-4 59 |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-01-(6-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

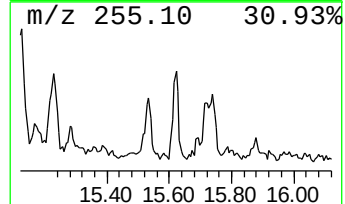
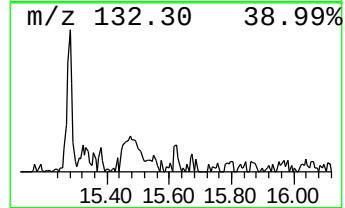
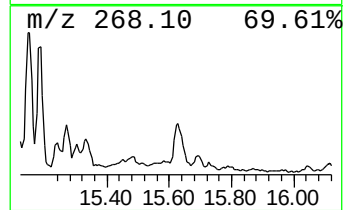
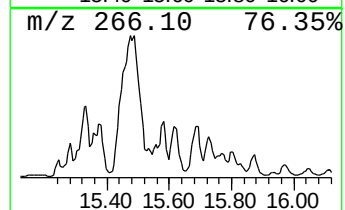
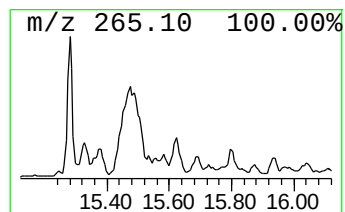
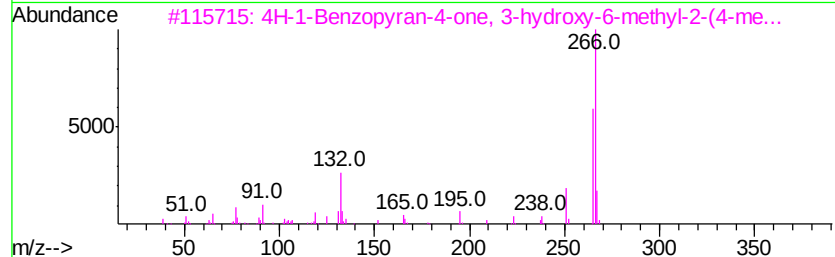
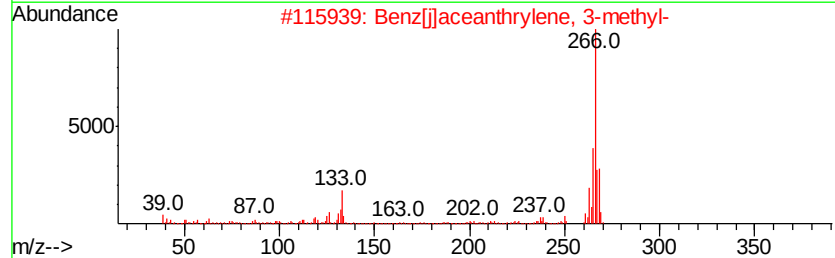
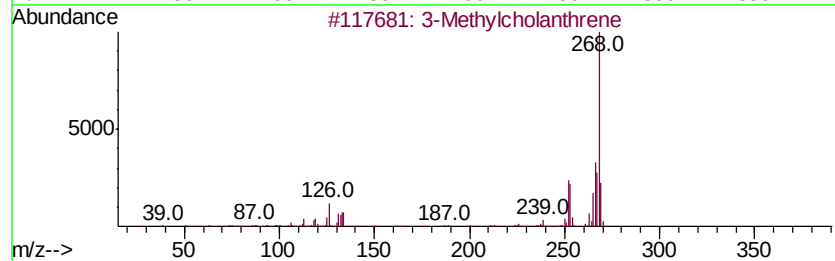
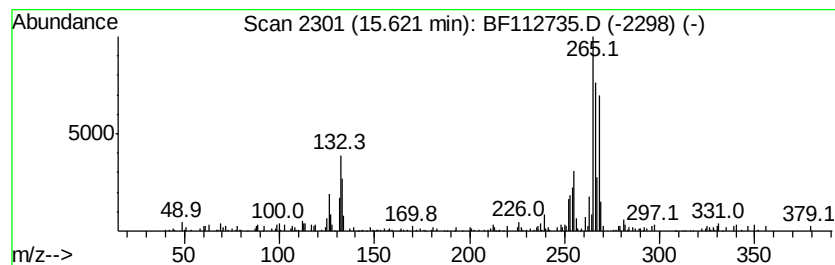
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 3-Methylcholanthrene Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.62 | 3.96 ng | 193793 | Perylene-d12     | 15.28 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 3-Methylcholanthrene                | 268 | C21H16     | 000056-49-5  | 59   |
| 2    |    | Benz[il]aceanthrylene, 3-methyl-    | 266 | C21H14     | 003343-10-0  | 41   |
| 3    |    | 4H-1-Benzopyran-4-one, 3-hydroxy... | 266 | C17H14O3   | 078396-37-9  | 38   |
| 4    |    | 1-Methyl-4-oxo-5-phenyl-1,3-dihy... | 266 | C16H14N2O2 | 1000286-08-5 | 38   |
| 5    |    | 8H-Indeno[2,1-b]phenanthrene        | 266 | C21H14     | 000241-28-1  | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

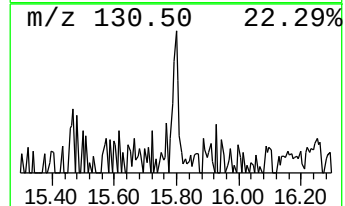
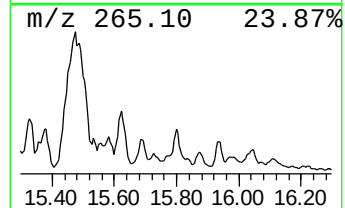
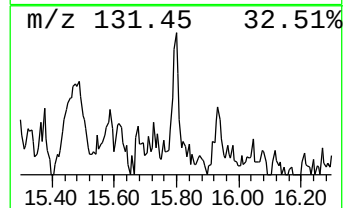
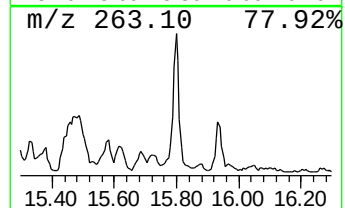
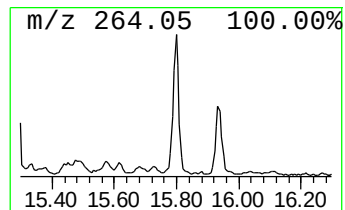
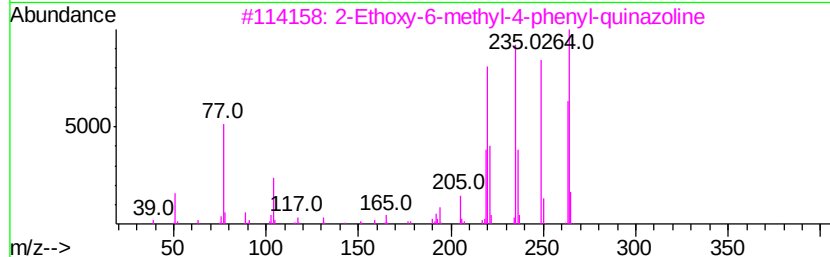
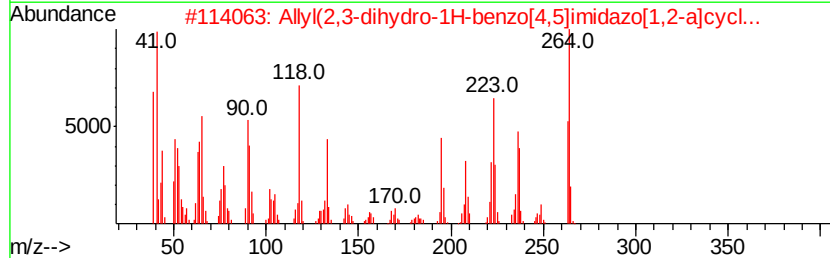
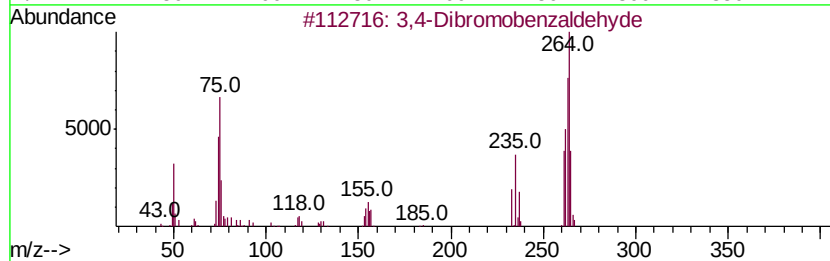
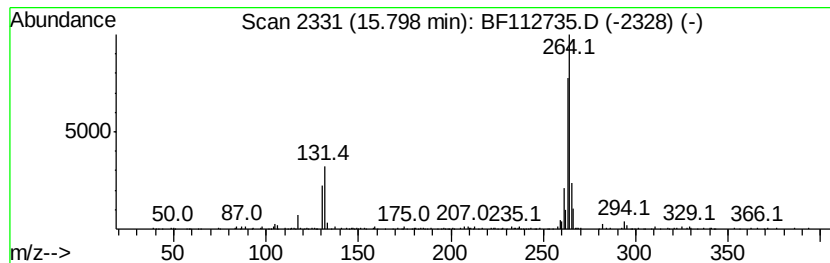
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ClientSampleId :  
SB-01-(6-2)

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 16 3,4-Dibromobenzaldehyde Concentration Rank 10

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 15.80   | 4.65 ng                             | 227463       | Perylene-d12     | 15.28           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | 3,4-Dibromobenzaldehyde             | 262          | C7H4Br2O         | 074003-55-7 64  |
| 2       | Allyl(2,3-dihydro-1H-benzo[4,5]i... | 264          | C16H16N4         | 1000322-09-2 40 |
| 3       | 2-Ethoxy-6-methyl-4-phenyl-quina... | 264          | C17H16N2O        | 1000318-42-5 35 |
| 4       | Lycopodan-5-one, 12-hydroxy-15-m... | 263          | C16H25NO2        | 006900-92-1 25  |
| 5       | Iron, (.eta.-5-cyclopentadienyl)... | 264          | C16H16Fe         | 1000155-06-6 23 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
SB-01-(6-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

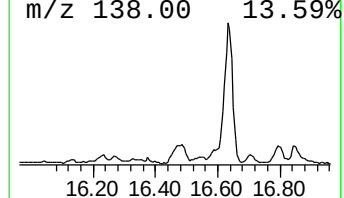
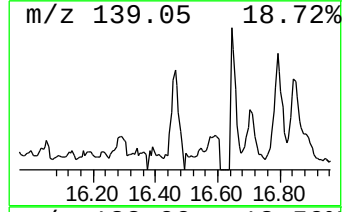
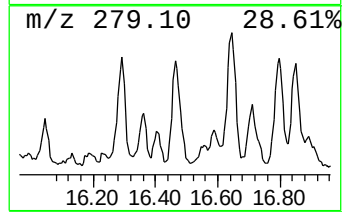
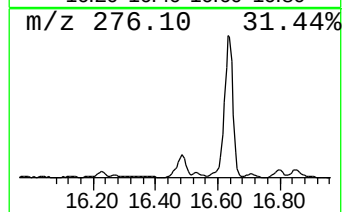
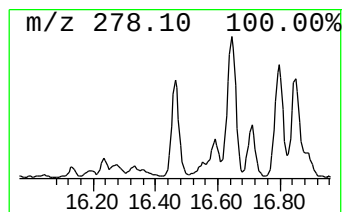
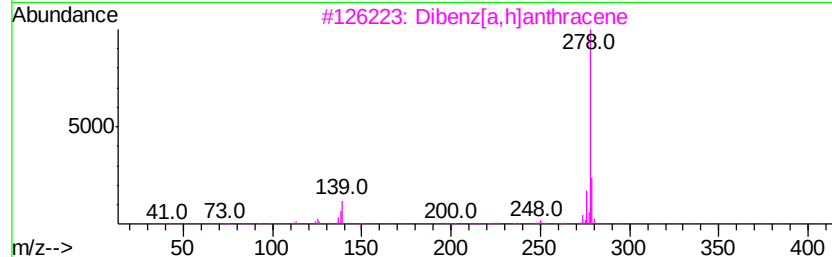
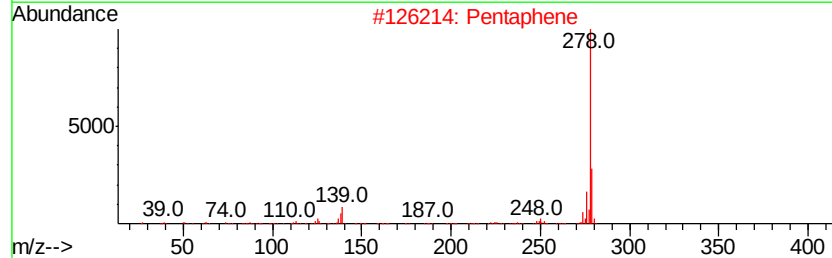
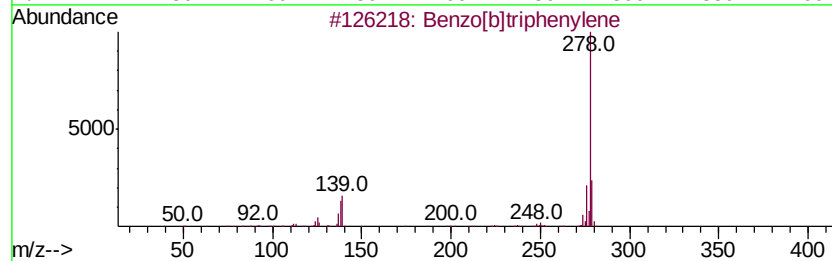
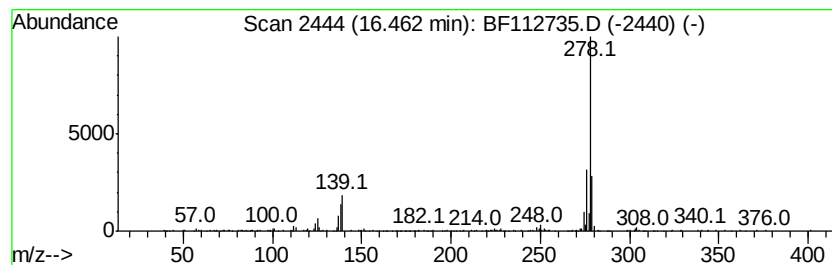
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Benzo[b]triphenylene Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.46 | 7.56 ng | 369741 | Perylene-d12     | 15.28 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[b]triphenylene     | 278 | C22H14  | 000215-58-7 | 98   |
| 2    |    |   | Pentaphene               | 278 | C22H14  | 000222-93-5 | 97   |
| 3    |    |   | Dibenz[a,h]anthracene    | 278 | C22H14  | 000053-70-3 | 95   |
| 4    |    |   | Naphtho[1,2-a]anthracene | 278 | C22H14  | 000195-06-2 | 89   |
| 5    |    |   | Benzo[b]chrysene         | 278 | C22H14  | 000214-17-5 | 89   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\  
Data File : BF112735.D  
Acq On : 27 Feb 2019 22:50  
Operator : JU/SJ  
Sample : K1627-02 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-01-(6-2)

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

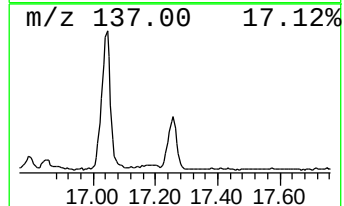
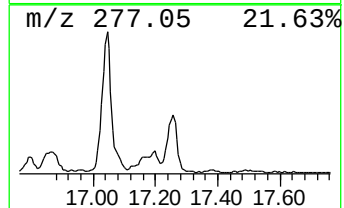
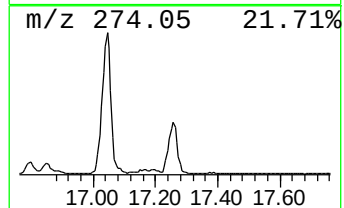
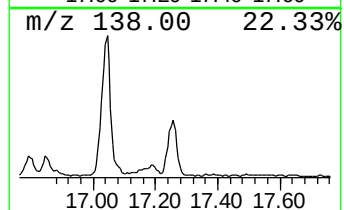
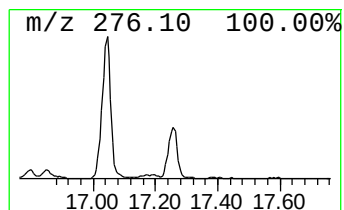
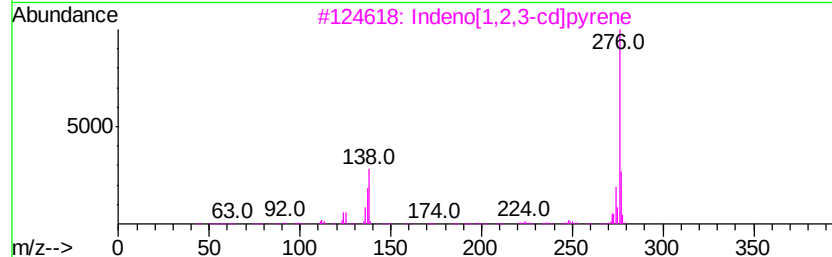
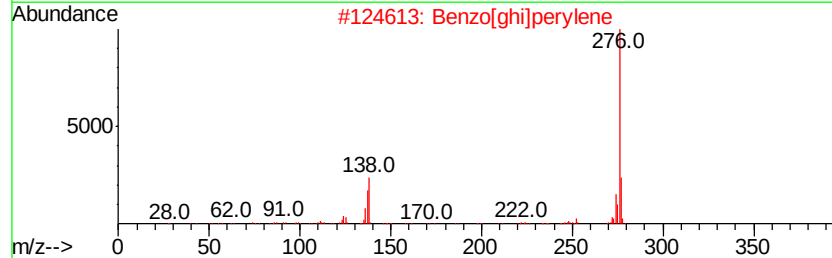
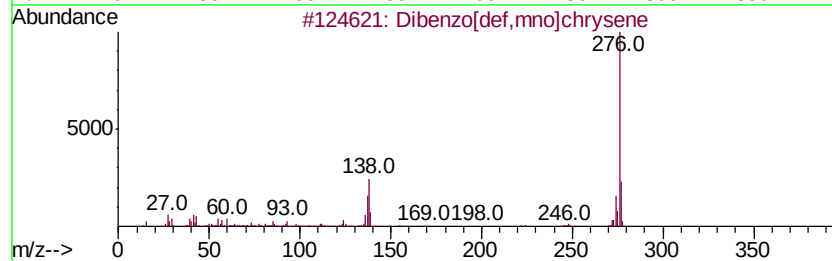
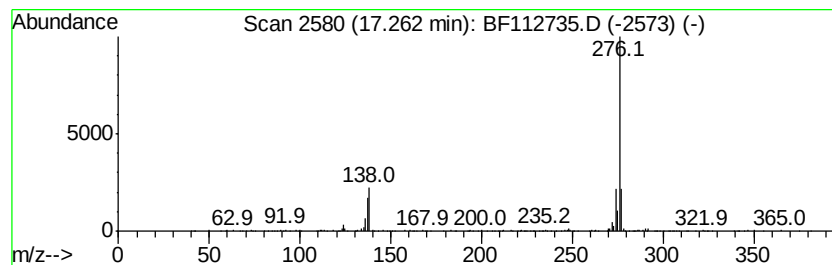
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 17.26 | 14.11 ng | 689956 | Perylene-d12     | 15.28 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Dibenzo[def,mno]chrysene            | 276 | C22H12    | 000191-26-4 | 94   |
| 2    |    | Benzo[ghi]perylene                  | 276 | C22H12    | 000191-24-2 | 93   |
| 3    |    | Indeno[1,2,3-cd]pyrene              | 276 | C22H12    | 000193-39-5 | 64   |
| 4    |    | Indeno[1,2,3-cd]fluoranthene        | 276 | C22H12    | 000193-43-1 | 50   |
| 5    |    | 6H-Pyrido[4,3-b]carbazole, 9-met... | 276 | C18H16N2O | 010371-86-5 | 40   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF022719\  
 Data File : BF112735.D  
 Acq On : 27 Feb 2019 22:50  
 Operator : JU/SJ  
 Sample : K1627-02 5X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-01-(6-2)

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 |
| unknown6.50          | 6.50  | 15.2    | ng    | 788577   | 1                     | 6.74  | 1035860 | 20.0 |
| Phenanthrene, 2-m... | 11.75 | 2.5     | ng    | 164352   | 4                     | 11.25 | 1324960 | 20.0 |
| Anthracene, 2-met... | 11.77 | 4.3     | ng    | 284448   | 4                     | 11.25 | 1324960 | 20.0 |
| 4H-Cyclopenta[def... | 11.86 | 7.1     | ng    | 469481   | 4                     | 11.25 | 1324960 | 20.0 |
| Tricyclo[8.2.2.2(... | 12.04 | 2.7     | ng    | 181114   | 4                     | 11.25 | 1324960 | 20.0 |
| 11H-Benzo[a]fluorene | 13.00 | 3.0     | ng    | 777534   | 5                     | 13.87 | 5137720 | 20.0 |
| 11H-Benzo[b]fluorene | 13.07 | 3.0     | ng    | 769652   | 5                     | 13.87 | 5137720 | 20.0 |
| Cyclopenta(cd)pyr... | 13.98 | 3.3     | ng    | 845860   | 5                     | 13.87 | 5137720 | 20.0 |
| Benz[a]anthracene... | 14.66 | 2.5     | ng    | 120981   | 6                     | 15.28 | 978143  | 20.0 |
| Benz(a)anthracene... | 14.73 | 4.8     | ng    | 233000   | 6                     | 15.28 | 978143  | 20.0 |
| Benzo[e]pyrene       | 14.98 | 12.6    | ng    | 617563   | 6                     | 15.28 | 978143  | 20.0 |
| Dinaphtho[1,2-b:1... | 15.07 | 2.8     | ng    | 137928   | 6                     | 15.28 | 978143  | 20.0 |
| 3-Methylcholanthrene | 15.62 | 4.0     | ng    | 193793   | 6                     | 15.28 | 978143  | 20.0 |
| 3,4-Dibromobenzal... | 15.80 | 4.7     | ng    | 227463   | 6                     | 15.28 | 978143  | 20.0 |
| Benzo[b]triphenylene | 16.46 | 7.6     | ng    | 369741   | 6                     | 15.28 | 978143  | 20.0 |
| Dibenzo[def,mno]c... | 17.26 | 14.1    | ng    | 689956   | 6                     | 15.28 | 978143  | 20.0 |