

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
 Data File : BF137986.D  
 Acq On : 21 May 2024 19:14  
 Operator : CG\JU  
 Sample : P2500-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-112-SB01

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-BF051424.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF137986.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.163       | 5             | 13          | 19           | rVB2     | 37660          | 100323        | 2.64%           | 0.219%        |
| 2         | 2.387       | 43            | 51          | 57           | rBV      | 1893541        | 2561021       | 67.31%          | 5.594%        |
| 3         | 3.663       | 265           | 268         | 278          | rBV      | 32871          | 62641         | 1.65%           | 0.137%        |
| 4         | 5.657       | 602           | 607         | 610          | rBV      | 2819771        | 2601564       | 68.38%          | 5.683%        |
| 5         | 6.646       | 770           | 775         | 778          | rBV      | 2641830        | 2670860       | 70.20%          | 5.834%        |
| 6         | 6.851       | 807           | 810         | 815          | rBV3     | 56761          | 61707         | 1.62%           | 0.135%        |
| 7         | 7.034       | 837           | 841         | 844          | rBV      | 1023514        | 845183        | 22.21%          | 1.846%        |
| 8         | 7.593       | 931           | 936         | 939          | rBV      | 2005310        | 1857655       | 48.83%          | 4.058%        |
| 9         | 7.834       | 973           | 977         | 982          | rVB3     | 63705          | 59534         | 1.56%           | 0.130%        |
| 10        | 8.204       | 1037          | 1040        | 1044         | rBV      | 64034          | 66071         | 1.74%           | 0.144%        |
| 11        | 8.316       | 1055          | 1059        | 1061         | rBV      | 1432184        | 1164624       | 30.61%          | 2.544%        |
| 12        | 8.334       | 1061          | 1062        | 1064         | rVB      | 145563         | 86615         | 2.28%           | 0.189%        |
| 13        | 8.616       | 1108          | 1110        | 1114         | rBV      | 80143          | 77649         | 2.04%           | 0.170%        |
| 14        | 9.028       | 1177          | 1180        | 1183         | rBV      | 127698         | 92715         | 2.44%           | 0.203%        |
| 15        | 9.128       | 1194          | 1197        | 1200         | rBV      | 109906         | 83338         | 2.19%           | 0.182%        |
| 16        | 9.392       | 1237          | 1242        | 1245         | rBV      | 4686559        | 3804703       | 100.00%         | 8.311%        |
| 17        | 9.457       | 1250          | 1253        | 1256         | rBV      | 83705          | 67458         | 1.77%           | 0.147%        |
| 18        | 9.651       | 1283          | 1286        | 1291         | rVB      | 47640          | 62200         | 1.63%           | 0.136%        |
| 19        | 9.728       | 1296          | 1299        | 1302         | rVV      | 85937          | 89746         | 2.36%           | 0.196%        |
| 20        | 9.781       | 1306          | 1308        | 1316         | rVB3     | 95055          | 90224         | 2.37%           | 0.197%        |
| 21        | 9.939       | 1332          | 1335        | 1338         | rVB      | 159249         | 131920        | 3.47%           | 0.288%        |
| 22        | 9.992       | 1338          | 1344        | 1347         | rVB      | 103776         | 94807         | 2.49%           | 0.207%        |
| 23        | 10.081      | 1355          | 1359        | 1362         | rVB      | 1661961        | 1349285       | 35.46%          | 2.947%        |
| 24        | 10.163      | 1367          | 1373        | 1379         | rVB4     | 76287          | 128782        | 3.38%           | 0.281%        |
| 25        | 10.281      | 1390          | 1393        | 1396         | rVB2     | 108838         | 99635         | 2.62%           | 0.218%        |
| 26        | 10.316      | 1396          | 1399        | 1403         | rVB2     | 61333          | 61535         | 1.62%           | 0.134%        |
| 27        | 10.392      | 1408          | 1412        | 1414         | rBV      | 65705          | 64022         | 1.68%           | 0.140%        |
| 28        | 10.492      | 1422          | 1429        | 1432         | rBV2     | 171643         | 206779        | 5.43%           | 0.452%        |
| 29        | 10.616      | 1448          | 1450        | 1458         | rVB3     | 57556          | 90832         | 2.39%           | 0.198%        |
| 30        | 10.710      | 1458          | 1466        | 1469         | rBV      | 96960          | 116850        | 3.07%           | 0.255%        |
| 31        | 10.781      | 1474          | 1478        | 1482         | rBV3     | 58792          | 84695         | 2.23%           | 0.185%        |
| 32        | 10.869      | 1489          | 1493        | 1497         | rBV      | 2526735        | 2183357       | 57.39%          | 4.769%        |
| 33        | 10.981      | 1507          | 1512        | 1520         | rVB2     | 278853         | 464060        | 12.20%          | 1.014%        |
| 34        | 11.304      | 1562          | 1567        | 1569         | rBV2     | 72969          | 104111        | 2.74%           | 0.227%        |
| 35        | 11.328      | 1569          | 1571        | 1576         | rVB2     | 56837          | 67185         | 1.77%           | 0.147%        |
| 36        | 11.375      | 1576          | 1579        | 1582         | rBV2     | 123030         | 115820        | 3.04%           | 0.253%        |

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Integrator: RTE

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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-BF051424.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.416 | 1583 | 1586 | 1589 | rVV  | 310048  | 242583  | 6.38%  | 0.530% |
| 38 | 11.445 | 1589 | 1591 | 1593 | rVB  | 98484   | 73277   | 1.93%  | 0.160% |
| 39 | 11.575 | 1609 | 1613 | 1615 | rBV  | 1680200 | 1360599 | 35.76% | 2.972% |
| 40 | 11.598 | 1615 | 1617 | 1621 | rVV  | 676273  | 513587  | 13.50% | 1.122% |
| 41 | 11.645 | 1622 | 1625 | 1628 | rVV  | 157935  | 150746  | 3.96%  | 0.329% |
| 42 | 11.669 | 1628 | 1629 | 1636 | rVB4 | 54539   | 82694   | 2.17%  | 0.181% |
| 43 | 11.798 | 1648 | 1651 | 1653 | rBV  | 129015  | 121295  | 3.19%  | 0.265% |
| 44 | 11.845 | 1656 | 1659 | 1661 | rVB  | 270147  | 202259  | 5.32%  | 0.442% |
| 45 | 11.904 | 1666 | 1669 | 1673 | rVB2 | 56511   | 57128   | 1.50%  | 0.125% |
| 46 | 12.080 | 1695 | 1699 | 1701 | rBV2 | 393453  | 403032  | 10.59% | 0.880% |
| 47 | 12.104 | 1701 | 1703 | 1706 | rVV  | 266358  | 222415  | 5.85%  | 0.486% |
| 48 | 12.151 | 1706 | 1711 | 1714 | rVV2 | 65438   | 93749   | 2.46%  | 0.205% |
| 49 | 12.186 | 1714 | 1717 | 1720 | rVV2 | 206781  | 251871  | 6.62%  | 0.550% |
| 50 | 12.210 | 1720 | 1721 | 1725 | rVB  | 129532  | 76638   | 2.01%  | 0.167% |
| 51 | 12.251 | 1725 | 1728 | 1731 | rBV  | 255685  | 230851  | 6.07%  | 0.504% |
| 52 | 12.369 | 1745 | 1748 | 1750 | rBV  | 143819  | 121185  | 3.19%  | 0.265% |
| 53 | 12.398 | 1750 | 1753 | 1759 | rVB  | 163933  | 164085  | 4.31%  | 0.358% |
| 54 | 12.575 | 1781 | 1783 | 1785 | rVB  | 77325   | 59766   | 1.57%  | 0.131% |
| 55 | 12.628 | 1788 | 1792 | 1793 | rBV  | 203337  | 193677  | 5.09%  | 0.423% |
| 56 | 12.645 | 1793 | 1795 | 1800 | rVV2 | 191170  | 241153  | 6.34%  | 0.527% |
| 57 | 12.680 | 1800 | 1801 | 1804 | rVB  | 77736   | 58070   | 1.53%  | 0.127% |
| 58 | 12.710 | 1804 | 1806 | 1812 | rBV  | 166596  | 193082  | 5.07%  | 0.422% |
| 59 | 12.792 | 1817 | 1820 | 1824 | rVB  | 1937837 | 1633702 | 42.94% | 3.569% |
| 60 | 12.833 | 1824 | 1827 | 1829 | rBV  | 79265   | 71503   | 1.88%  | 0.156% |
| 61 | 12.869 | 1829 | 1833 | 1834 | rBV3 | 62948   | 85155   | 2.24%  | 0.186% |
| 62 | 12.916 | 1838 | 1841 | 1844 | rBV2 | 66952   | 61036   | 1.60%  | 0.133% |
| 63 | 13.027 | 1853 | 1860 | 1864 | rBV2 | 1678065 | 1852172 | 48.68% | 4.046% |
| 64 | 13.069 | 1864 | 1867 | 1872 | rVB2 | 147132  | 156150  | 4.10%  | 0.341% |
| 65 | 13.163 | 1875 | 1883 | 1886 | rBV  | 3792719 | 3410045 | 89.63% | 7.449% |
| 66 | 13.233 | 1891 | 1895 | 1903 | rBV4 | 193356  | 384190  | 10.10% | 0.839% |
| 67 | 13.327 | 1907 | 1911 | 1913 | rBV5 | 169422  | 252972  | 6.65%  | 0.553% |
| 68 | 13.375 | 1917 | 1919 | 1921 | rBV2 | 114313  | 82282   | 2.16%  | 0.180% |
| 69 | 13.416 | 1923 | 1926 | 1928 | rVB2 | 87162   | 72222   | 1.90%  | 0.158% |
| 70 | 13.451 | 1928 | 1932 | 1935 | rBV2 | 221459  | 276253  | 7.26%  | 0.603% |
| 71 | 13.551 | 1946 | 1949 | 1951 | rBV  | 124577  | 113951  | 3.00%  | 0.249% |
| 72 | 13.580 | 1951 | 1954 | 1957 | rVV2 | 94283   | 104087  | 2.74%  | 0.227% |
| 73 | 13.722 | 1975 | 1978 | 1981 | rVV4 | 76479   | 87780   | 2.31%  | 0.192% |
| 74 | 13.857 | 1998 | 2001 | 2006 | rVB  | 328476  | 290372  | 7.63%  | 0.634% |
| 75 | 13.974 | 2016 | 2021 | 2023 | rBV2 | 162391  | 241374  | 6.34%  | 0.527% |
| 76 | 14.004 | 2023 | 2026 | 2028 | rVV2 | 197674  | 225749  | 5.93%  | 0.493% |

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 BNA\_F  
 ClientSampleId :  
 B-112-SB01

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-BF051424.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 14.027 | 2028 | 2030 | 2034 | rVV3 | 179202  | 265021  | 6.97%  | 0.579% |
| 78  | 14.063 | 2034 | 2036 | 2045 | rVB2 | 290438  | 366510  | 9.63%  | 0.801% |
| 79  | 14.145 | 2048 | 2050 | 2055 | rVB3 | 63253   | 76164   | 2.00%  | 0.166% |
| 80  | 14.222 | 2058 | 2063 | 2066 | rVV2 | 1289350 | 1935116 | 50.86% | 4.227% |
| 81  | 14.251 | 2066 | 2068 | 2075 | rVB  | 864696  | 781591  | 20.54% | 1.707% |
| 82  | 14.369 | 2083 | 2088 | 2092 | rBV5 | 97020   | 188881  | 4.96%  | 0.413% |
| 83  | 14.439 | 2097 | 2100 | 2105 | rBV3 | 80626   | 142042  | 3.73%  | 0.310% |
| 84  | 14.610 | 2127 | 2129 | 2132 | rVB  | 213891  | 175787  | 4.62%  | 0.384% |
| 85  | 14.651 | 2132 | 2136 | 2138 | rBV2 | 178008  | 184904  | 4.86%  | 0.404% |
| 86  | 14.745 | 2149 | 2152 | 2154 | rBV  | 111804  | 115724  | 3.04%  | 0.253% |
| 87  | 14.769 | 2154 | 2156 | 2161 | rVB2 | 98969   | 112905  | 2.97%  | 0.247% |
| 88  | 15.121 | 2214 | 2216 | 2228 | rVB5 | 80502   | 199130  | 5.23%  | 0.435% |
| 89  | 15.216 | 2229 | 2232 | 2236 | rVB2 | 77517   | 90603   | 2.38%  | 0.198% |
| 90  | 15.316 | 2244 | 2249 | 2253 | rBV  | 868053  | 1434206 | 37.70% | 3.133% |
| 91  | 15.433 | 2266 | 2269 | 2273 | rBV  | 159890  | 164767  | 4.33%  | 0.360% |
| 92  | 15.533 | 2282 | 2286 | 2293 | rBV3 | 61531   | 125850  | 3.31%  | 0.275% |
| 93  | 15.651 | 2302 | 2306 | 2312 | rVB  | 445292  | 578258  | 15.20% | 1.263% |
| 94  | 15.716 | 2313 | 2317 | 2324 | rVB  | 418498  | 553984  | 14.56% | 1.210% |
| 95  | 15.786 | 2324 | 2329 | 2333 | rBV  | 635209  | 892301  | 23.45% | 1.949% |
| 96  | 15.821 | 2333 | 2335 | 2342 | rVB2 | 114627  | 169227  | 4.45%  | 0.370% |
| 97  | 17.404 | 2598 | 2604 | 2612 | rVB2 | 156983  | 330283  | 8.68%  | 0.721% |
| 98  | 17.604 | 2632 | 2638 | 2643 | rBV3 | 50772   | 105588  | 2.78%  | 0.231% |
| 99  | 17.674 | 2644 | 2650 | 2664 | rVB4 | 67346   | 185214  | 4.87%  | 0.405% |
| 100 | 17.898 | 2682 | 2688 | 2697 | rVB2 | 103332  | 219287  | 5.76%  | 0.479% |

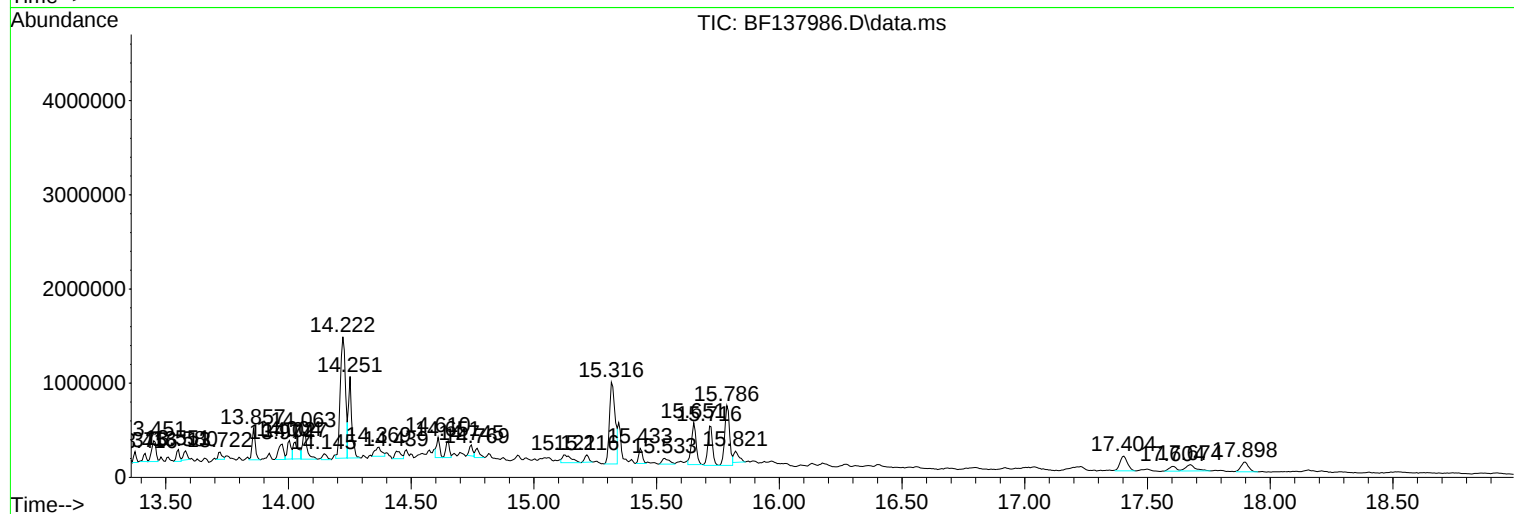
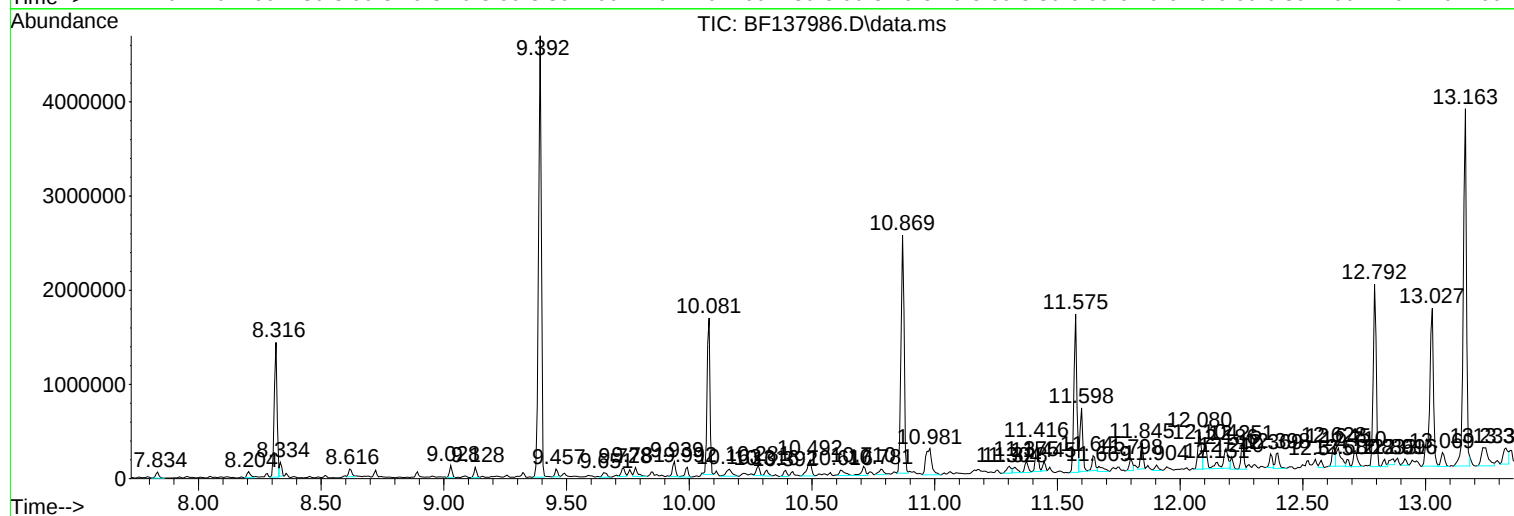
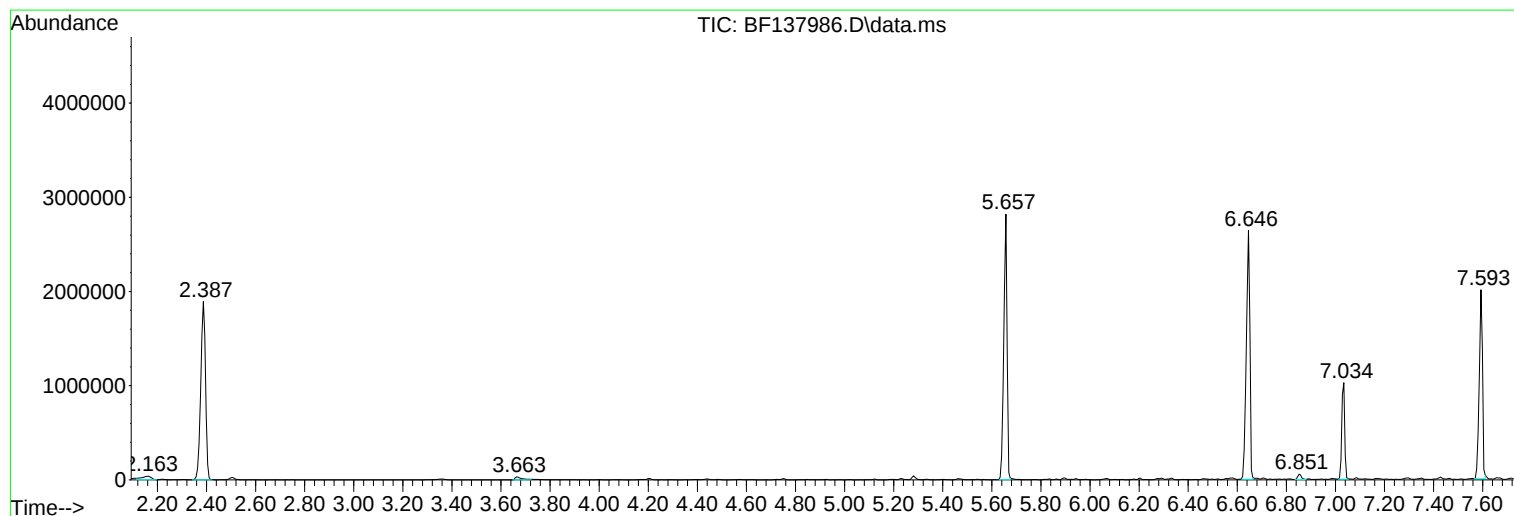
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
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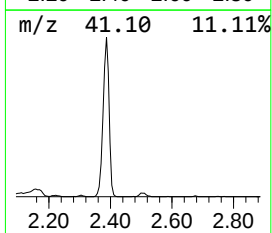
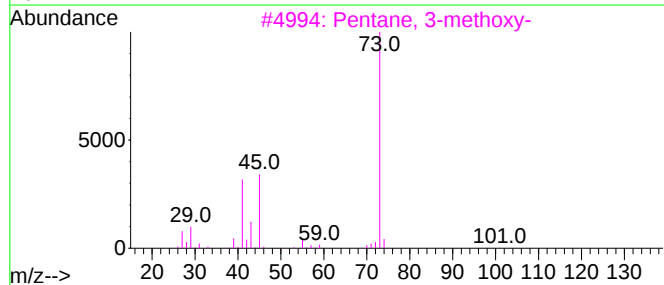
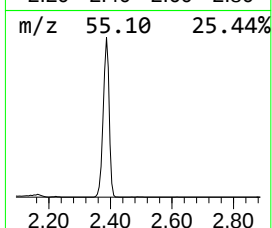
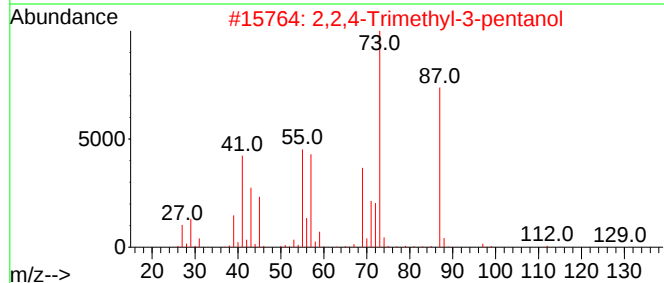
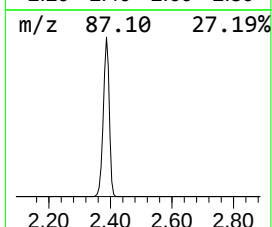
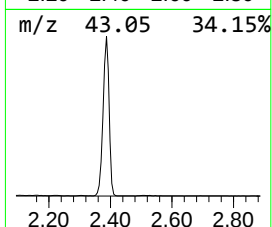
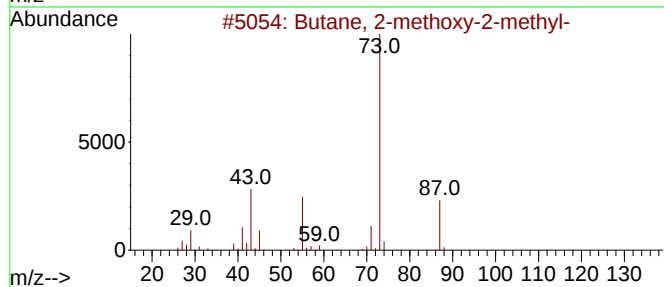
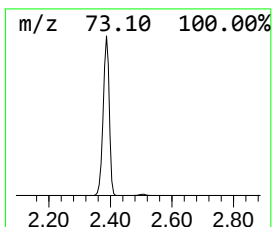
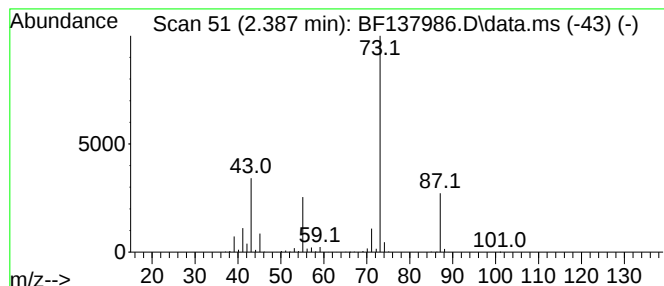
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 2.387 | 60.60 ng | 2561020 | 1,4-Dichlorobenzene-d4 | 7.034 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 5    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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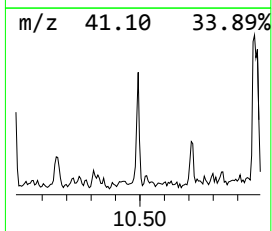
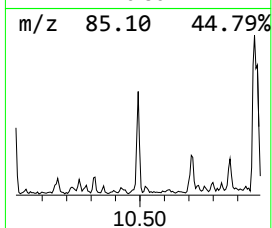
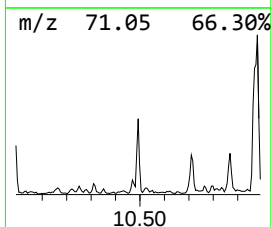
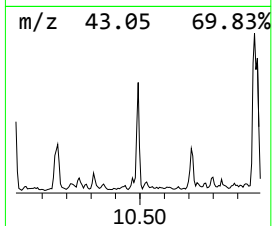
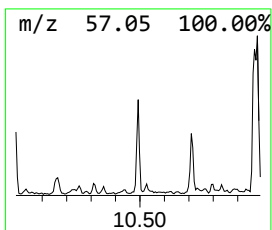
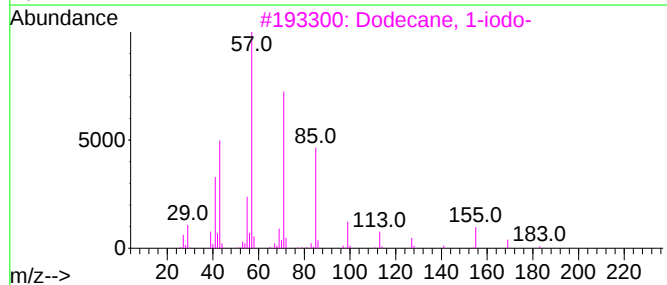
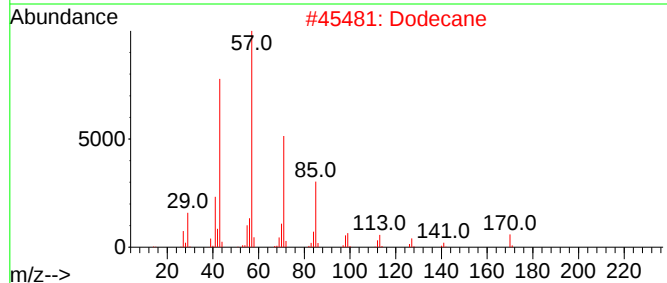
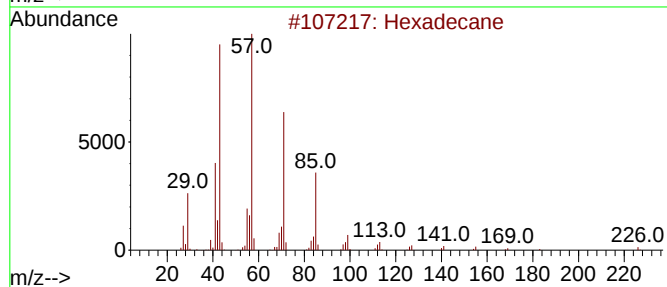
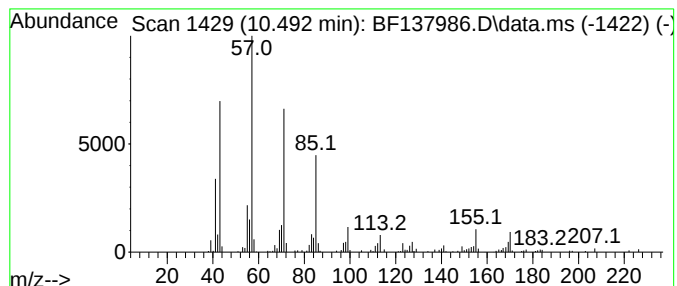
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Hexadecane Concentration Rank 15

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 10.492 | 3.07 ng | 206779 | Acenaphthene-d10 | 10.081 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|---|----------------------------------|-----|---------|--------------|------|
| 1    |    |   | Hexadecane                       | 226 | C16H34  | 000544-76-3  | 95   |
| 2    |    |   | Dodecane                         | 170 | C12H26  | 000112-40-3  | 92   |
| 3    |    |   | Dodecane, 1-iodo-                | 296 | C12H25I | 004292-19-7  | 87   |
| 4    |    |   | Hexadecane, 1-iodo-              | 352 | C16H33I | 000544-77-4  | 83   |
| 5    |    |   | 3-Ethyl-2,6,10-trimethylundecane | 226 | C16H34  | 1000432-25-9 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

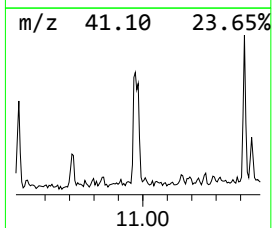
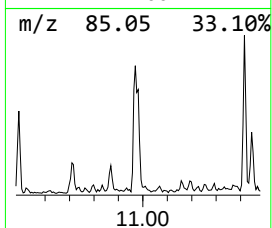
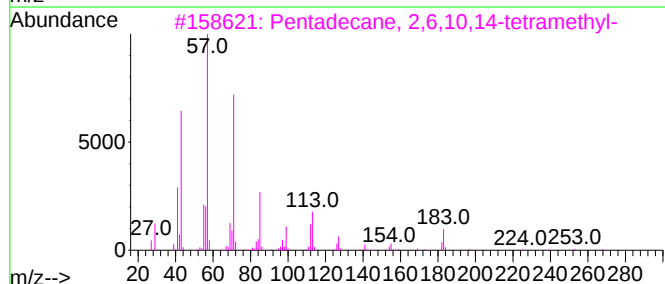
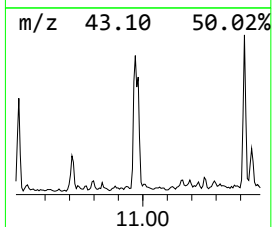
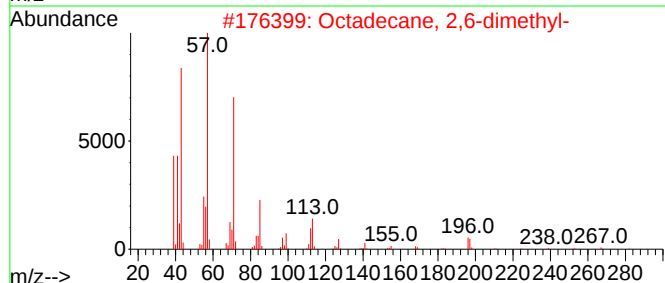
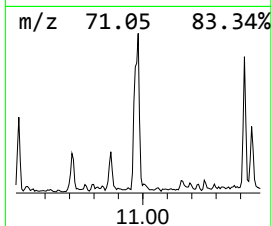
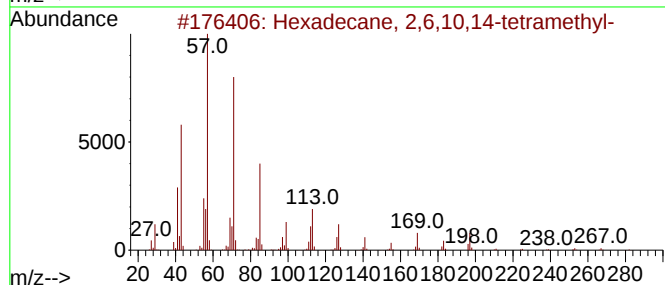
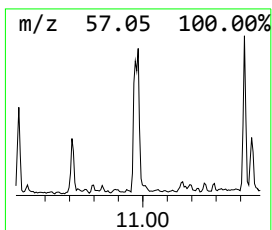
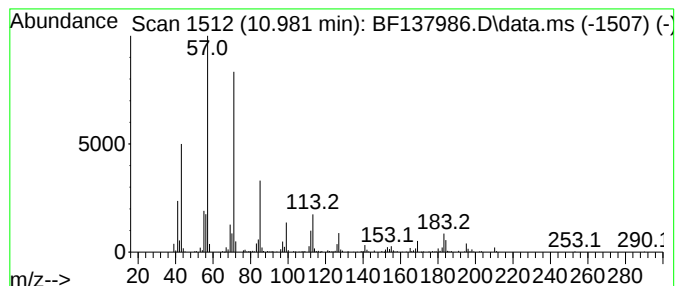
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Hexadecane, 2,6,10,14-tetra... Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 10.981 | 6.82 ng | 464060 | Phenanthrene-d10 | 11.575 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42    | 000638-36-8  | 86   |
| 2    |    |   | Octadecane, 2,6-dimethyl-           | 282 | C20H42    | 075163-97-2  | 86   |
| 3    |    |   | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40    | 001921-70-6  | 83   |
| 4    |    |   | Pentadecane, 7-methyl-              | 226 | C16H34    | 006165-40-8  | 80   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl tri... | 376 | C21H44O3S | 1000309-19-6 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

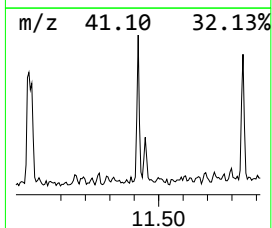
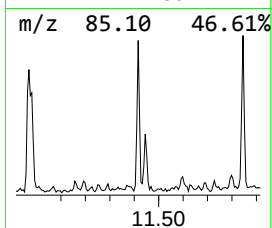
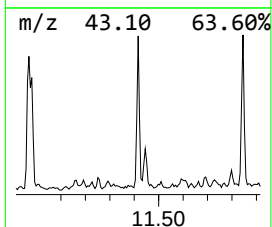
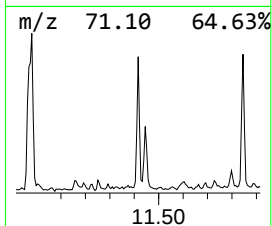
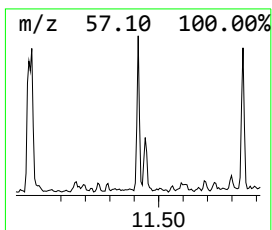
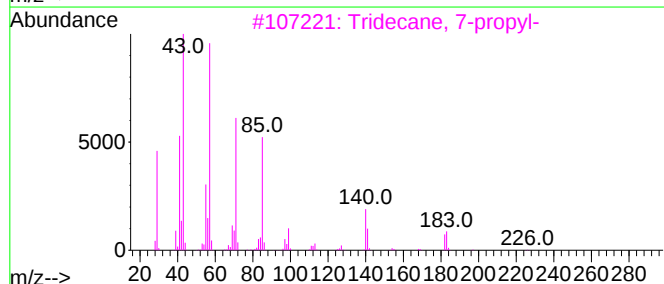
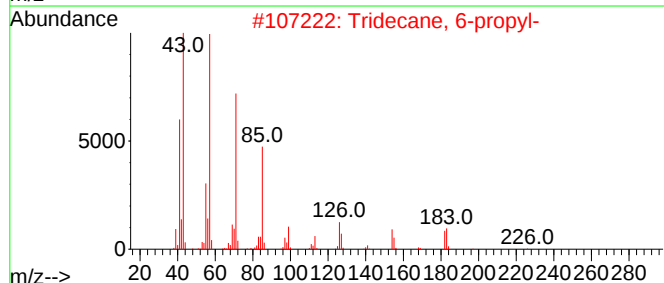
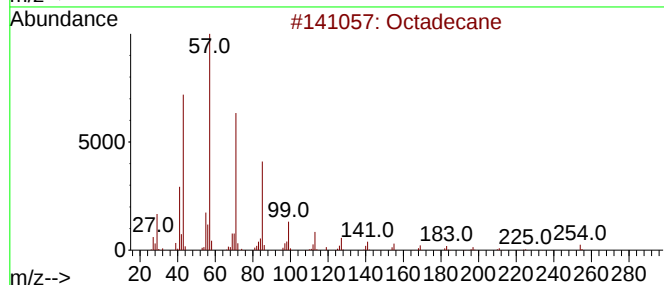
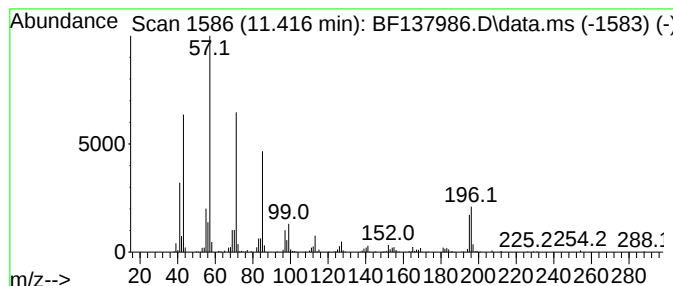
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Peak Number 4 Octadecane Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.416 | 3.57 ng | 242583 | Phenanthrene-d10 | 11.575 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Octadecane           | 254 | C18H38  | 000593-45-3 | 92   |
| 2    |    |   | Tridecane, 6-propyl- | 226 | C16H34  | 055045-10-8 | 89   |
| 3    |    |   | Tridecane, 7-propyl- | 226 | C16H34  | 055045-09-5 | 86   |
| 4    |    |   | Heneicosane          | 296 | C21H44  | 000629-94-7 | 70   |
| 5    |    |   | Dodecane             | 170 | C12H26  | 000112-40-3 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
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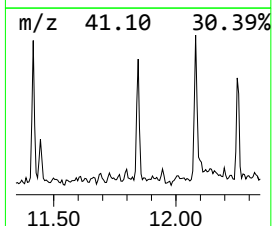
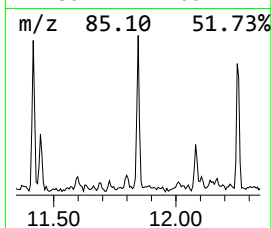
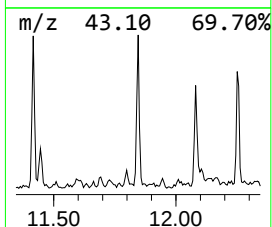
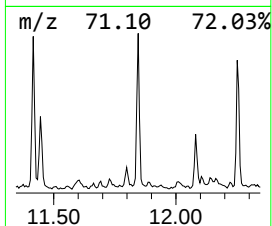
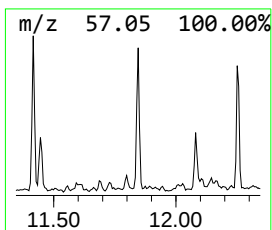
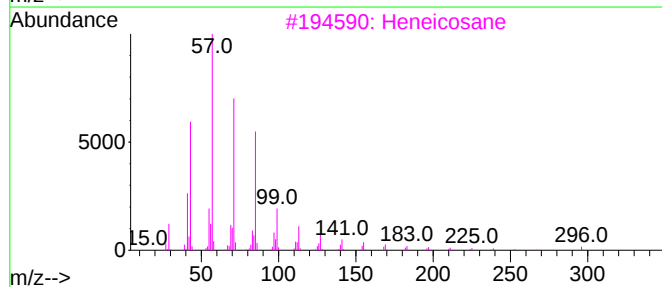
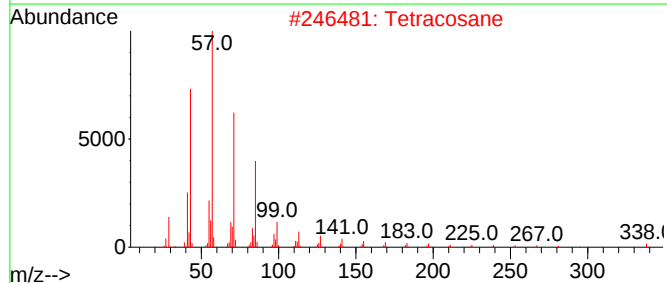
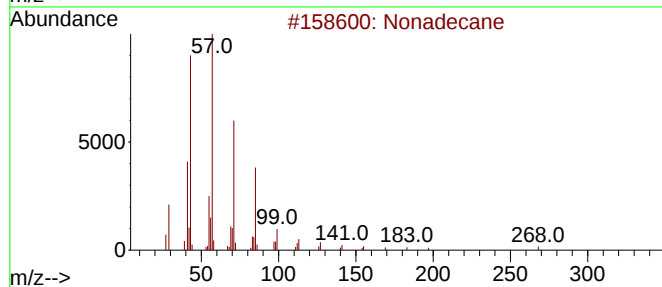
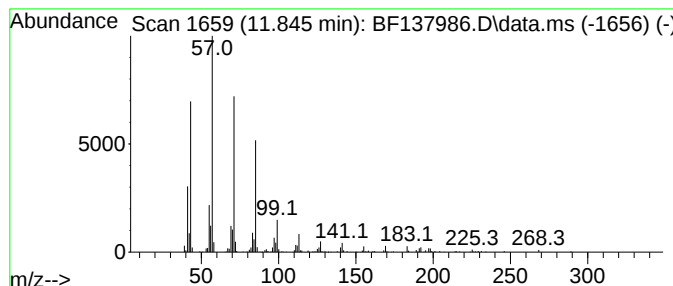
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Nonadecane Concentration Rank 17

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.845 | 2.97 ng | 202259 | Phenanthrene-d10 | 11.575 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Nonadecane   | 268 | C19H40  | 000629-92-5 | 97   |
| 2    |    |   | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |
| 3    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    |   | Octadecane   | 254 | C18H38  | 000593-45-3 | 91   |
| 5    |    |   | Heptadecane  | 240 | C17H36  | 000629-78-7 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

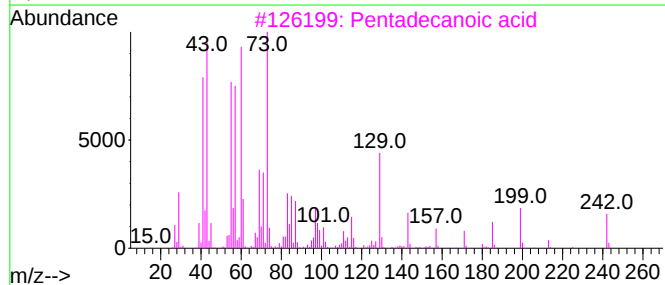
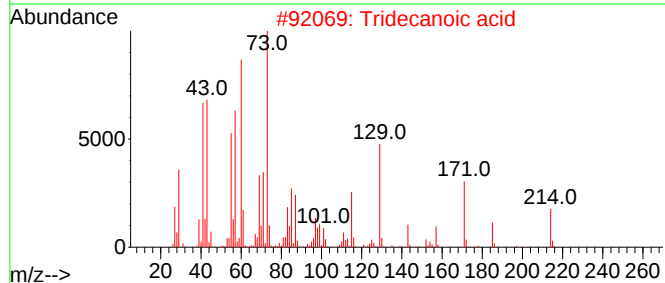
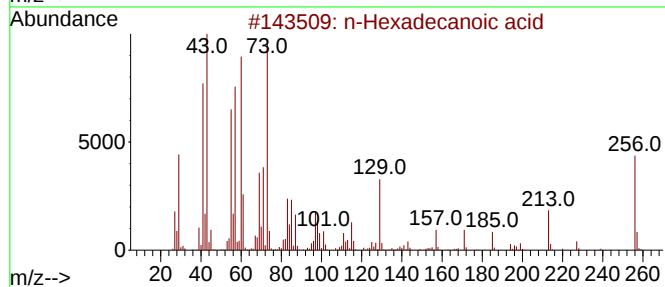
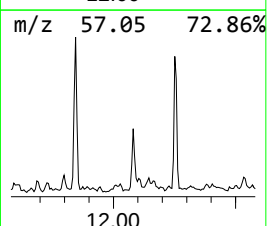
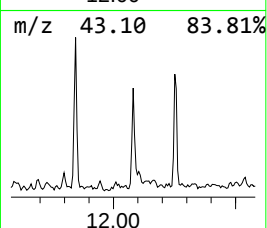
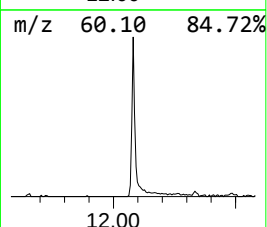
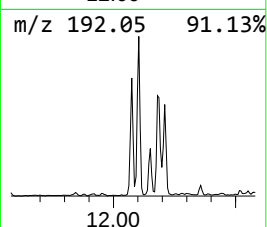
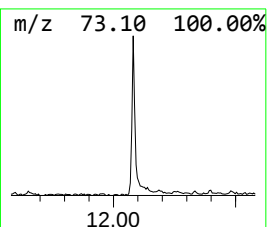
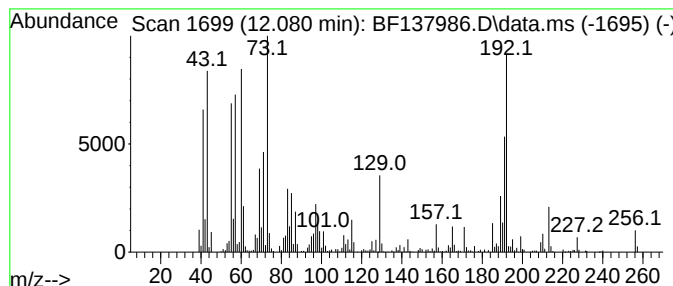
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.081 | 5.92 ng | 403032 | Phenanthrene-d10 | 11.575 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm  | CAS#        | Qual |
|------|------|-----------------------------|-----|----------|-------------|------|
| 1    |      | n-Hexadecanoic acid         | 256 | C16H32O2 | 000057-10-3 | 97   |
| 2    |      | Tridecanoic acid            | 214 | C13H26O2 | 000638-53-9 | 86   |
| 3    |      | Pentadecanoic acid          | 242 | C15H30O2 | 001002-84-2 | 50   |
| 4    |      | Naphtho[2,3-b]norbornadiene | 192 | C15H12   | 107426-38-0 | 47   |
| 5    |      | Tetradecanoic acid          | 228 | C14H28O2 | 000544-63-8 | 41   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

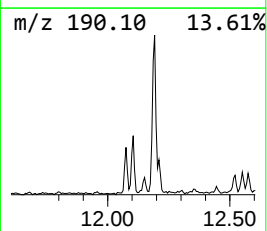
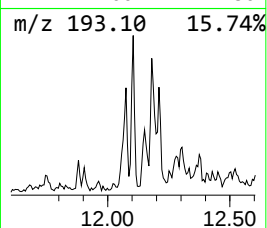
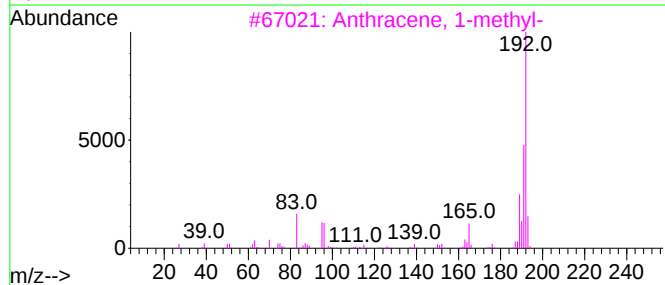
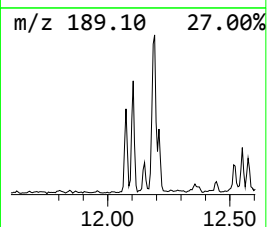
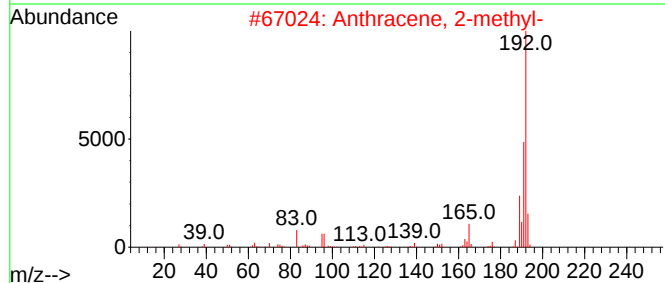
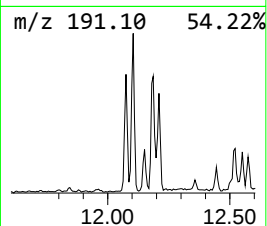
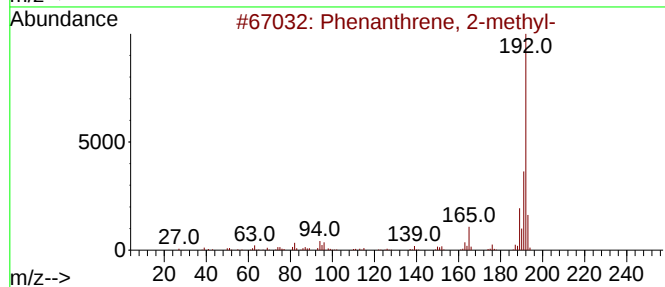
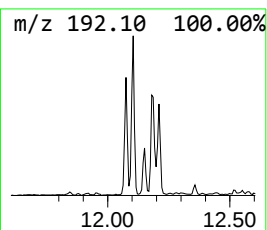
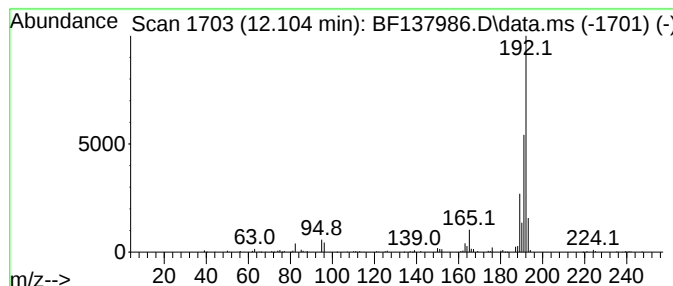
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 14

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.104 | 3.27 ng | 222415 | Phenanthrene-d10 | 11.575 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 2    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 95   |
| 3    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 94   |
| 4    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 87   |
| 5    |    |   | Phenanthrene, 3-methyl- | 192 | C15H12  | 000832-71-3 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

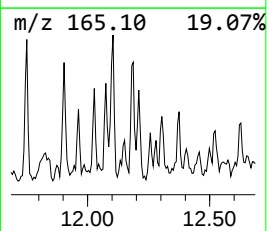
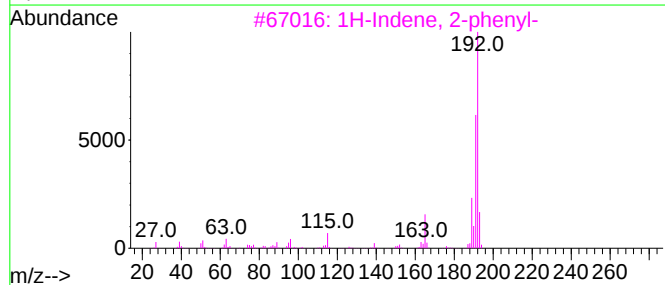
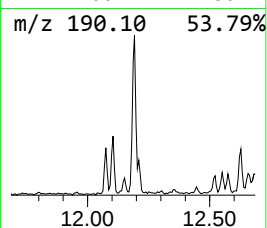
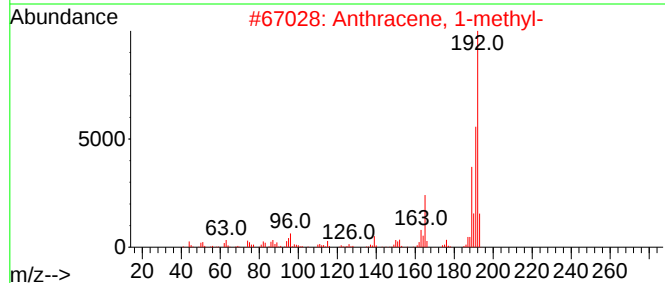
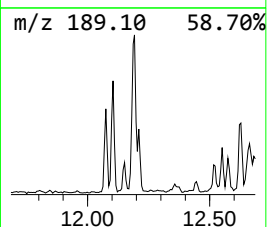
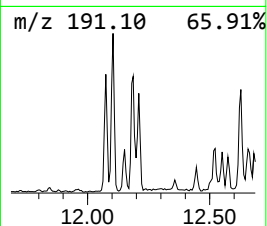
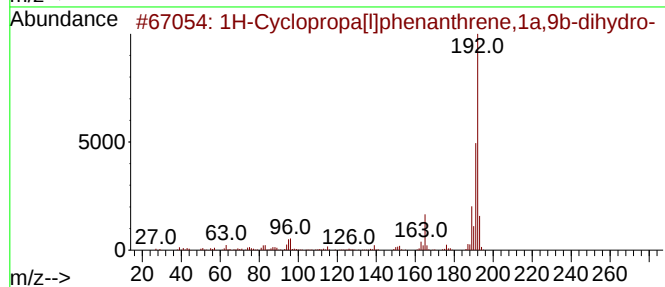
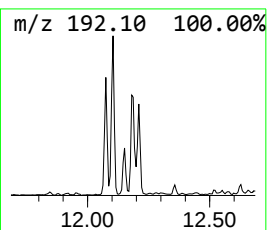
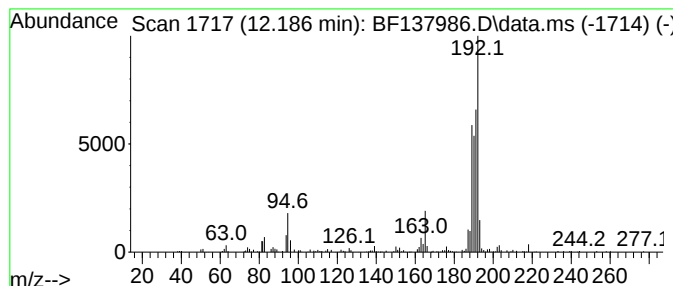
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.186 | 3.70 ng | 251871 | Phenanthrene-d10 | 11.575 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 90   |
| 2    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 70   |
| 3    |    |   | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 60   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 55   |
| 5    |    |   | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12  | 006109-24-6 | 55   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

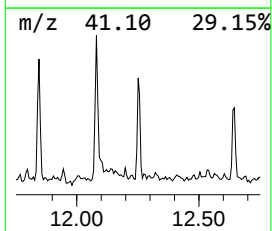
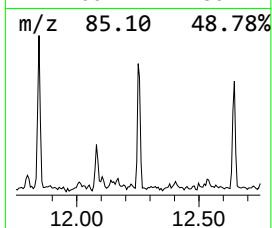
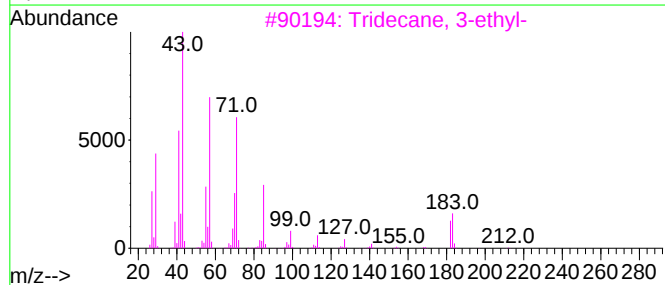
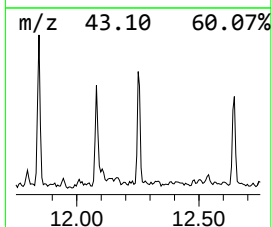
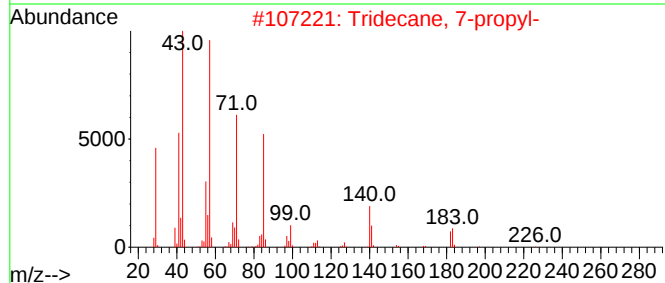
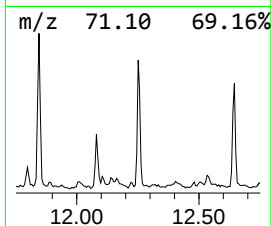
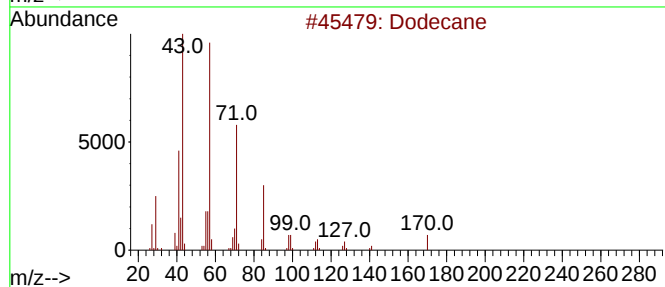
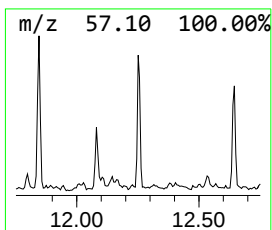
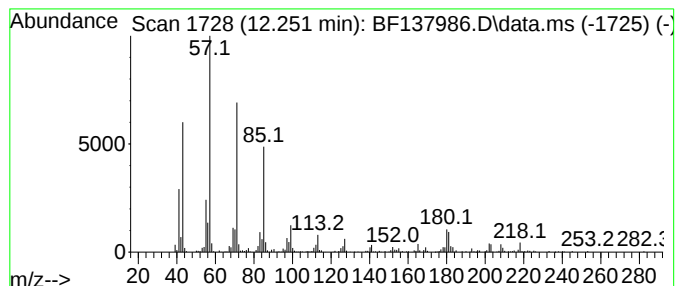
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Dodecane Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.251 | 3.39 ng | 230851 | Phenanthrene-d10 | 11.575 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane             | 170 | C12H26  | 000112-40-3 | 86   |
| 2    |    |   | Tridecane, 7-propyl- | 226 | C16H34  | 055045-09-5 | 86   |
| 3    |    |   | Tridecane, 3-ethyl-  | 212 | C15H32  | 013286-73-2 | 70   |
| 4    |    |   | Pentadecane          | 212 | C15H32  | 000629-62-9 | 62   |
| 5    |    |   | Nonadecane           | 268 | C19H40  | 000629-92-5 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

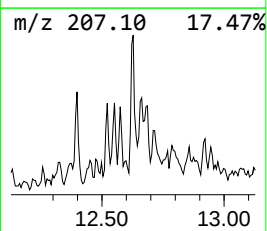
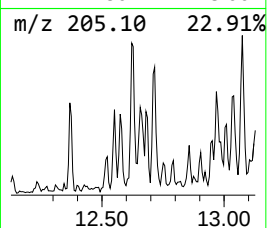
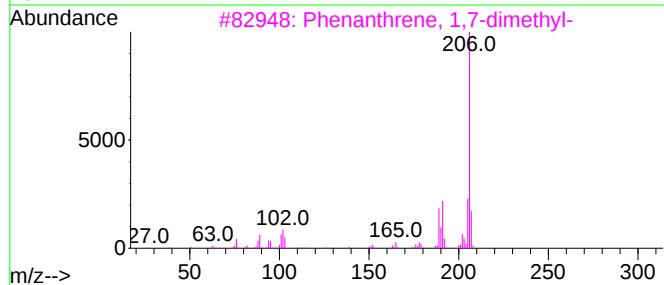
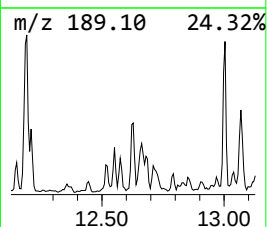
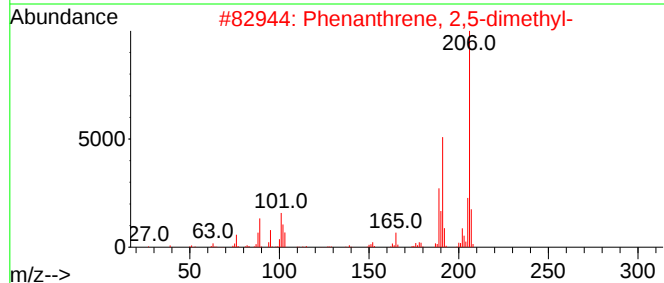
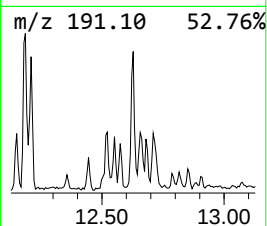
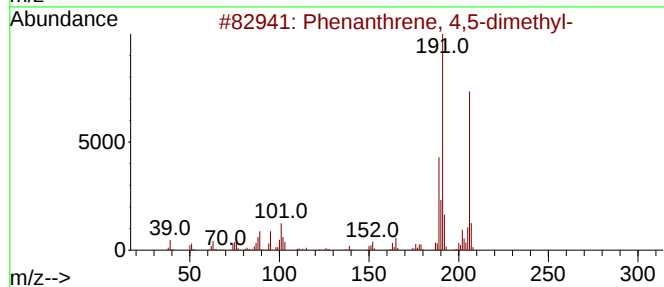
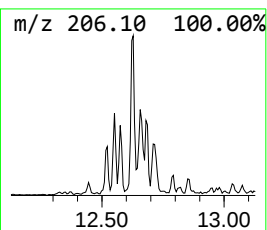
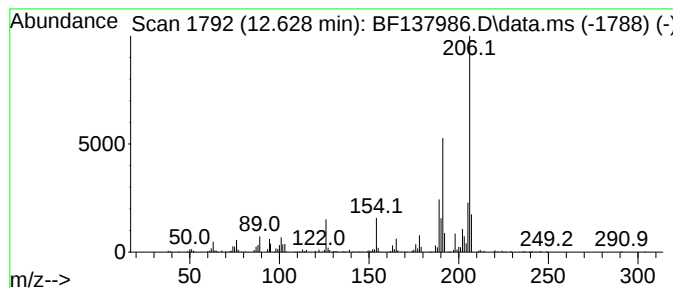
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 19

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.628 | 2.85 ng | 193677 | Phenanthrene-d10 | 11.575 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 4,5-dimethyl- | 206 | C16H14  | 003674-69-9 | 93   |
| 2    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 91   |
| 3    |    |   | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 89   |
| 4    |    |   | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 89   |
| 5    |    |   | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

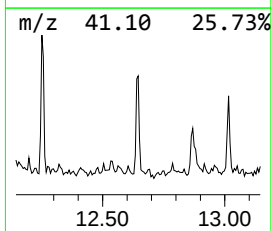
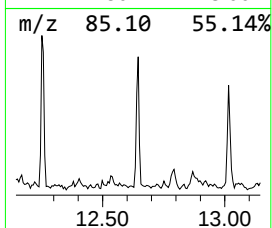
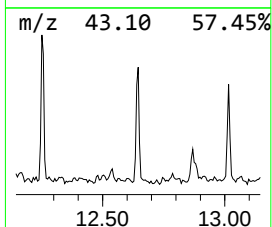
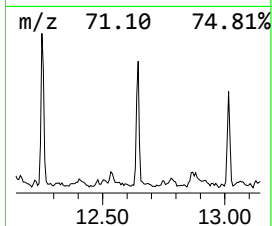
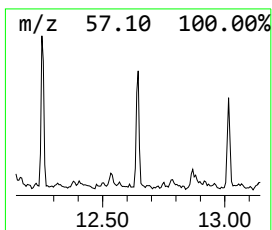
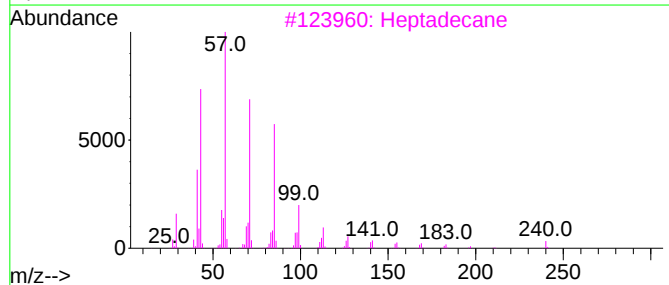
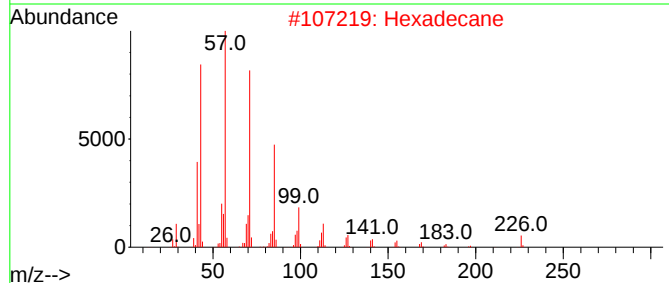
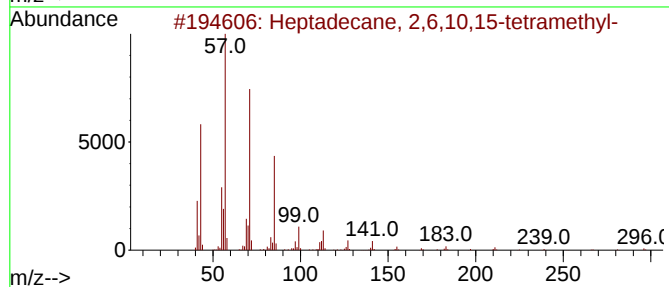
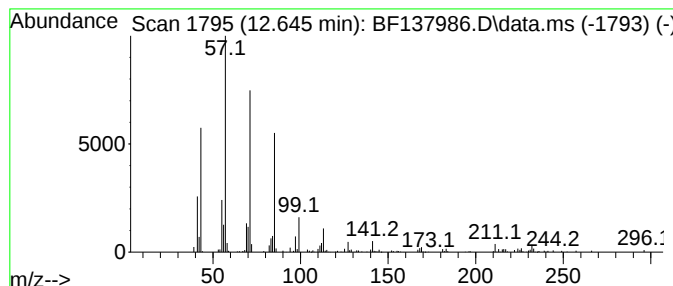
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Peak Number 11 Heptadecane, 2,6,10,15-tetr... Concentration Rank 12

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.645 | 3.54 ng | 241153 | Phenanthrene-d10 | 11.575 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 93   |
| 2    |      | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 93   |
| 3    |      | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 87   |
| 4    |      | Tetradecane, 1-iodo-                | 324 | C14H29I | 019218-94-1 | 86   |
| 5    |      | Nonadecane                          | 268 | C19H40  | 000629-92-5 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
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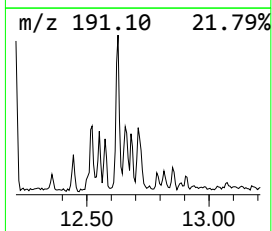
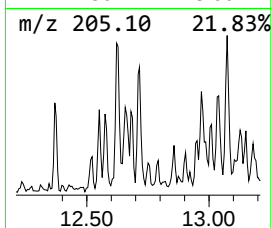
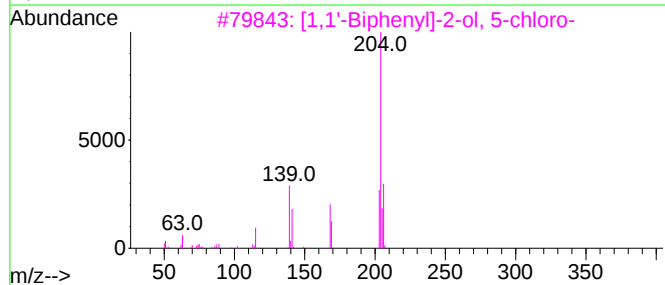
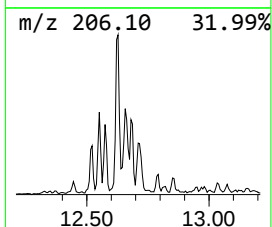
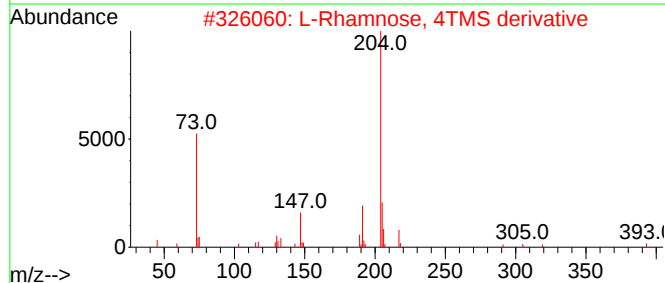
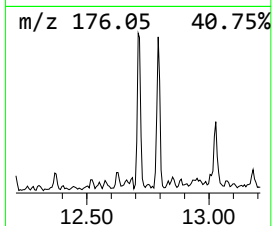
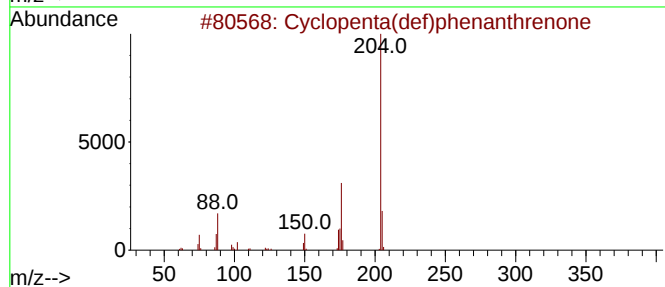
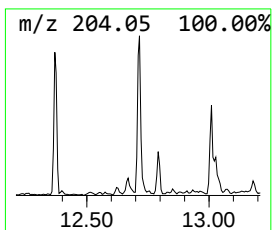
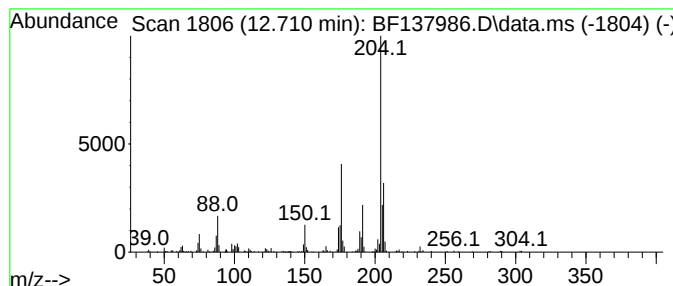
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 20

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.710 | 2.84 ng | 193082 | Phenanthrene-d10 | 11.575 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|------|-------------------------------------|-----|-------------|-------------|------|
| 1    |      | Cyclopenta(def)phenanthrenone       | 204 | C15H8O      | 005737-13-3 | 98   |
| 2    |      | L-Rhamnose, 4TMS derivative         | 452 | C18H44O5Si4 | 019127-15-2 | 43   |
| 3    |      | [1,1'-Biphenyl]-2-ol, 5-chloro-     | 204 | C12H9ClO    | 000607-12-5 | 43   |
| 4    |      | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2     | 001591-30-6 | 38   |
| 5    |      | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2     | 004341-02-0 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

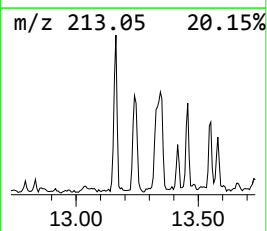
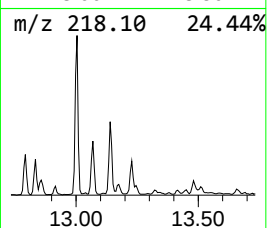
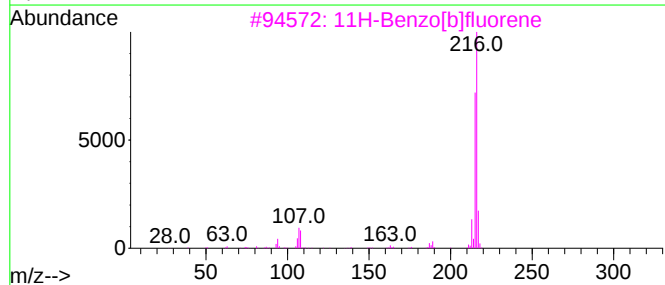
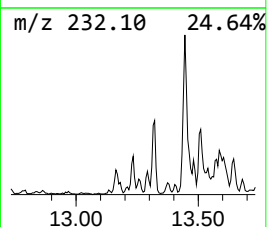
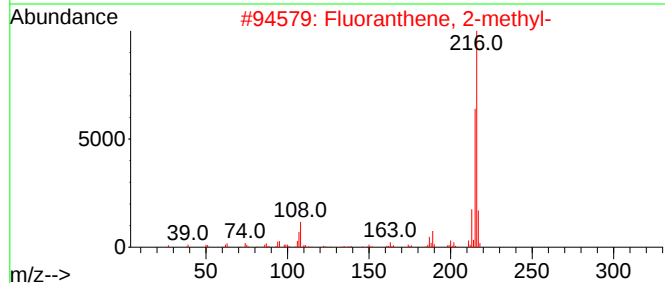
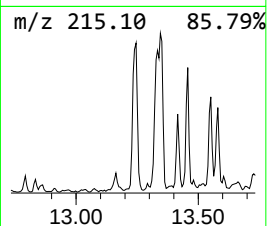
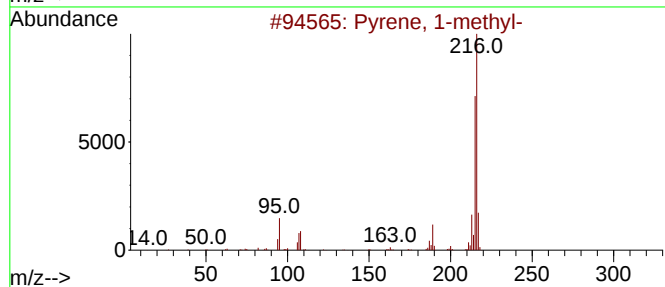
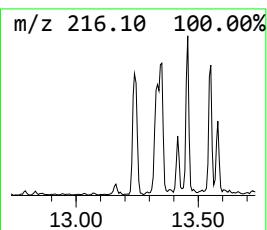
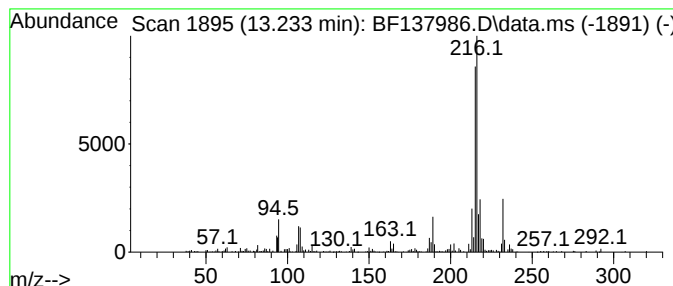
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Pyrene, 1-methyl- Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.233 | 3.97 ng | 384190 | Chrysene-d12     | 14.227 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 93   |
| 2    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 92   |
| 3    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 76   |
| 4    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 70   |
| 5    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

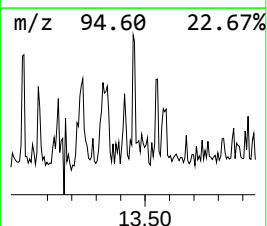
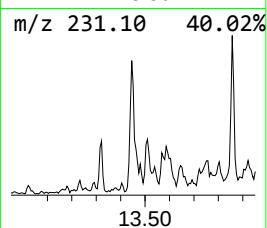
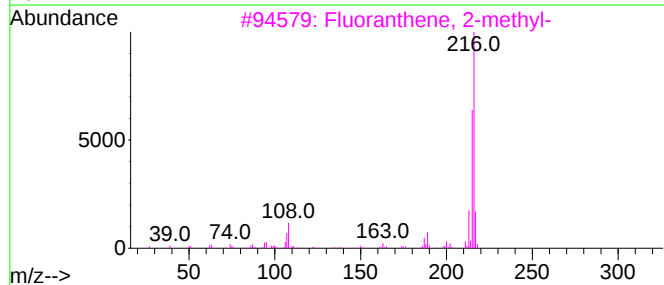
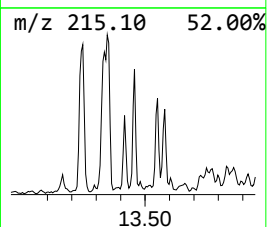
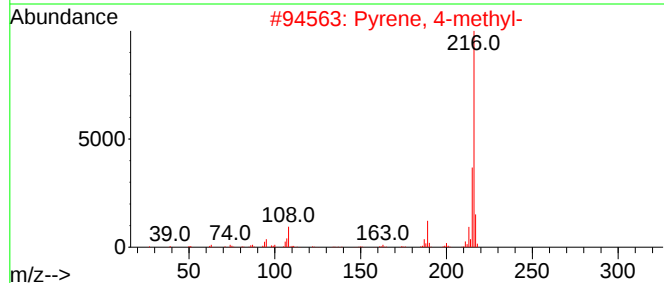
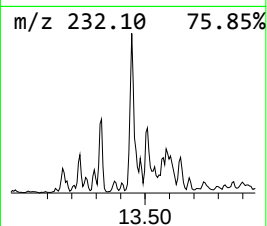
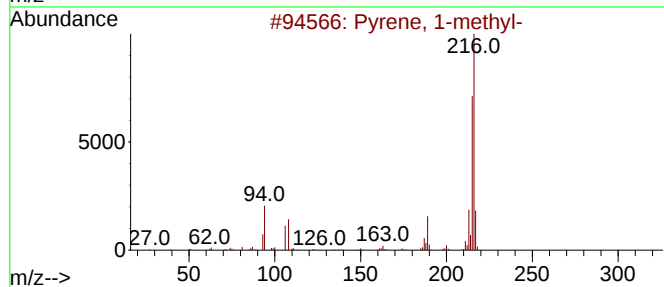
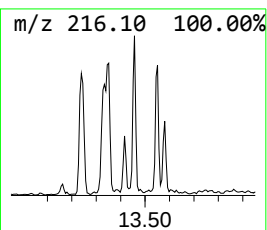
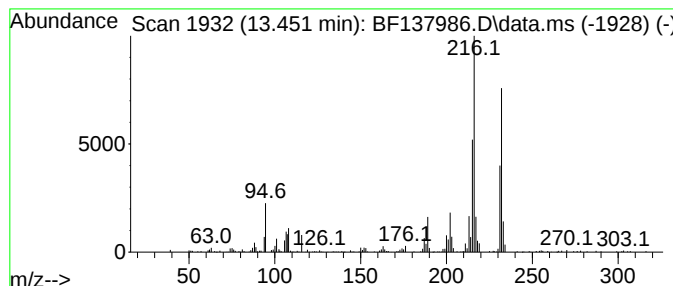
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Pyrene, 4-methyl- Concentration Rank 18

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.451 | 2.86 ng | 276253 | Chrysene-d12     | 14.227 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 94   |
| 2    |    |   | Pyrene, 4-methyl-       | 216 | C17H12  | 003353-12-6 | 86   |
| 3    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 86   |
| 4    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 64   |
| 5    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

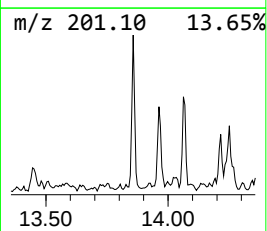
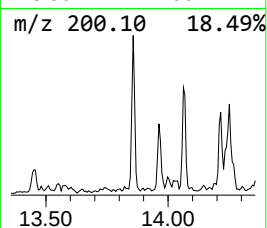
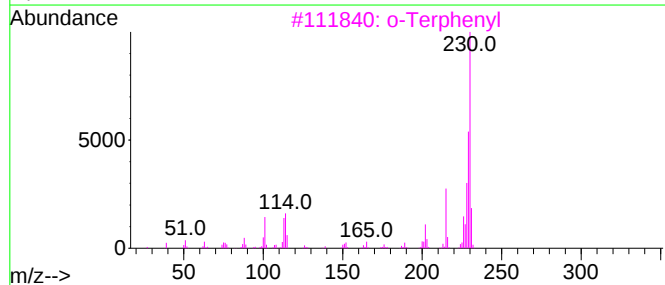
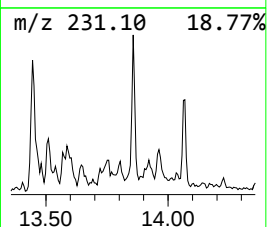
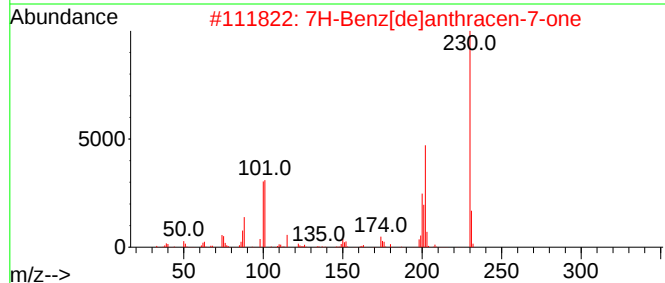
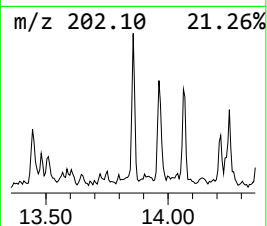
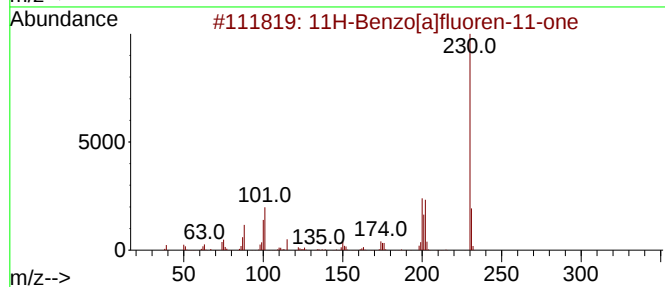
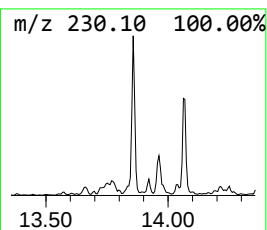
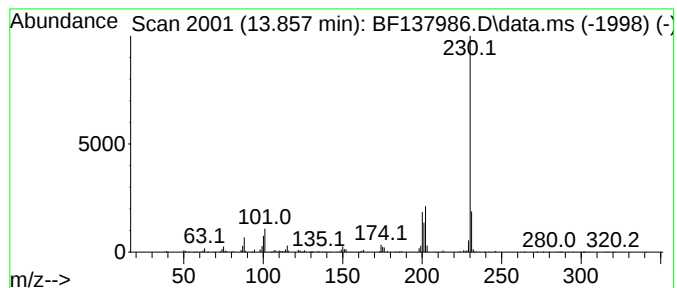
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 16

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.857 | 3.00 ng | 290372 | Chrysene-d12     | 14.227 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 11H-Benzo[a]fluoren-11-one          | 230 | C17H10O    | 000479-79-8  | 95   |
| 2    |    |   | 7H-Benz[de]anthracen-7-one          | 230 | C17H10O    | 000082-05-3  | 91   |
| 3    |    |   | o-Terphenyl                         | 230 | C18H14     | 000084-15-1  | 58   |
| 4    |    |   | 3H-pyrazol-3-one, 2-(1,3-dihydro... | 230 | C12H10N2O3 | 1000396-36-9 | 53   |
| 5    |    |   | 5-Amino-7-imino-4,8-diazatricycl... | 230 | C12H14N4O  | 1000388-35-6 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

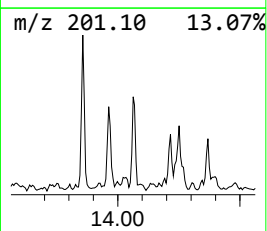
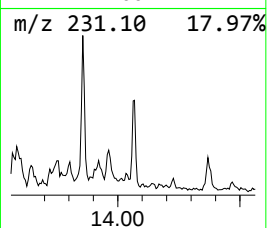
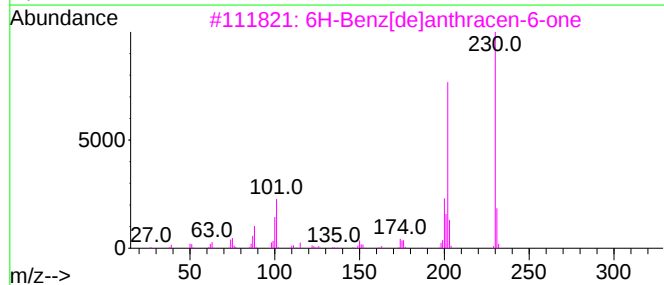
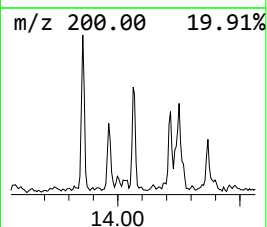
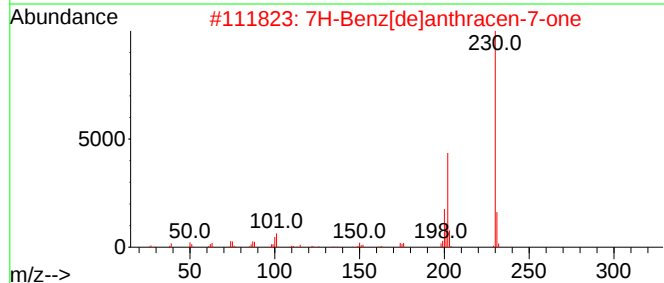
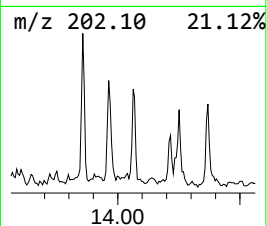
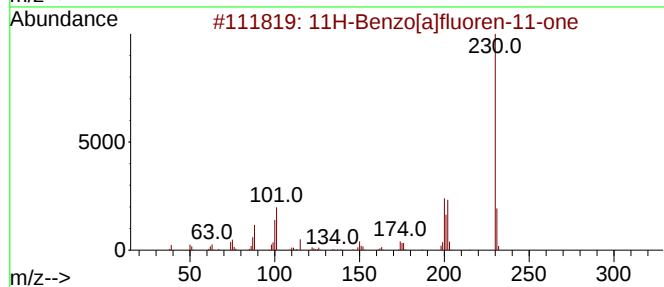
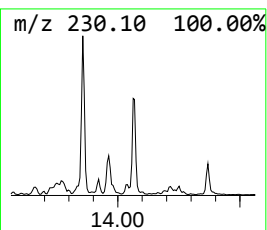
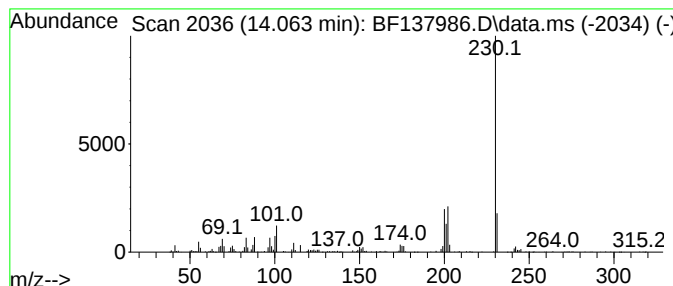
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.063 | 3.79 ng | 366510 | Chrysene-d12     | 14.227 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|------|-------------------------------------|-----|-----------|-------------|------|
| 1    |      | 11H-Benzo[a]fluoren-11-one          | 230 | C17H10O   | 000479-79-8 | 96   |
| 2    |      | 7H-Benz[de]anthracen-7-one          | 230 | C17H10O   | 000082-05-3 | 90   |
| 3    |      | 6H-Benz[de]anthracen-6-one          | 230 | C17H10O   | 080252-14-8 | 81   |
| 4    |      | 4-Isothiazolocarboxitrile, 3,5-b... | 230 | C8H10N2S3 | 024135-13-5 | 59   |
| 5    |      | .delta.(sup1),.alpha.-Acenaphthe... | 230 | C15H6N2O  | 014619-86-4 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

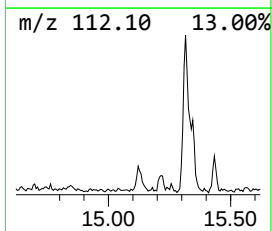
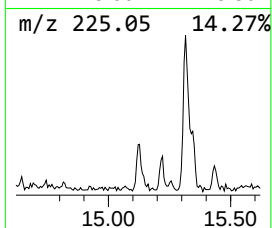
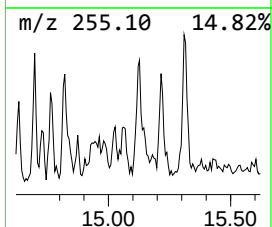
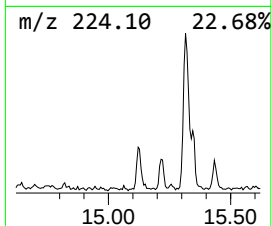
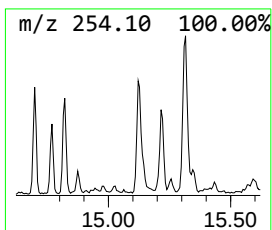
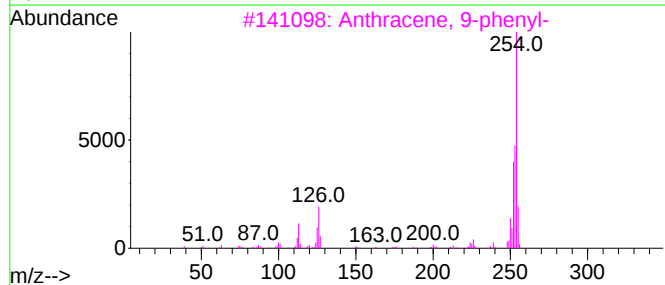
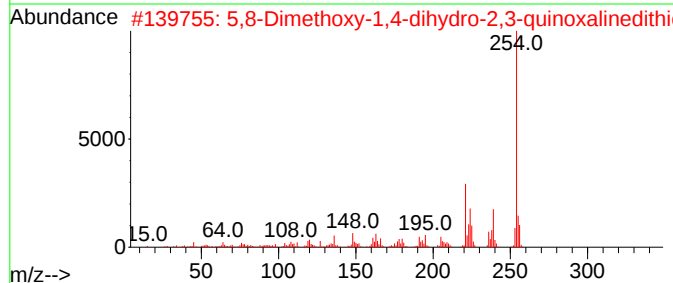
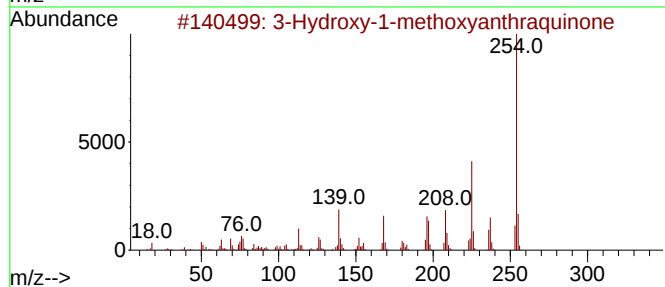
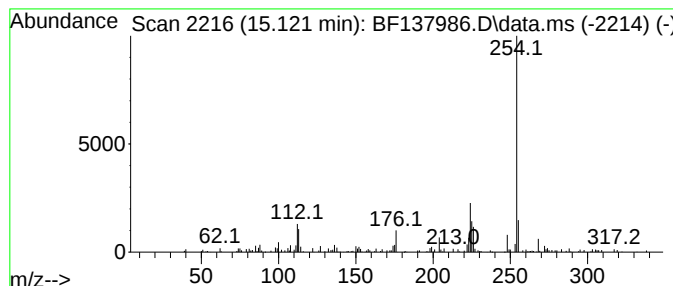
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 3-Hydroxy-1-methoxyanthraqu... Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.121 | 4.46 ng | 199130 | Perylene-d12     | 15.786 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|--------------|-------------|------|
| 1    |    |   | 3-Hydroxy-1-methoxyanthraquinone    | 254 | C15H10O4     | 028504-24-7 | 53   |
| 2    |    |   | 5,8-Dimethoxy-1,4-dihydro-2,3-qu... | 254 | C10H10N2O2S2 | 001790-96-1 | 53   |
| 3    |    |   | Anthracene, 9-phenyl-               | 254 | C20H14       | 000602-55-1 | 50   |
| 4    |    |   | 1,1'-Binaphthalene                  | 254 | C20H14       | 000604-53-5 | 50   |
| 5    |    |   | 9,10-Anthracenedione, 1,8-dihydr... | 254 | C15H10O4     | 000481-74-3 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

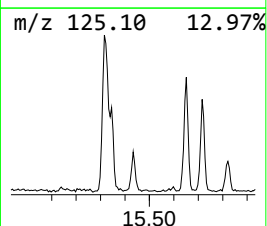
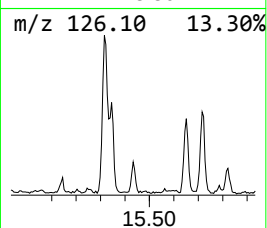
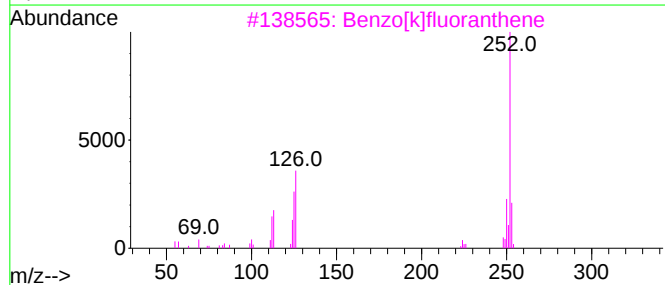
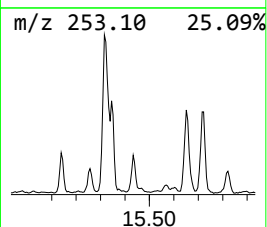
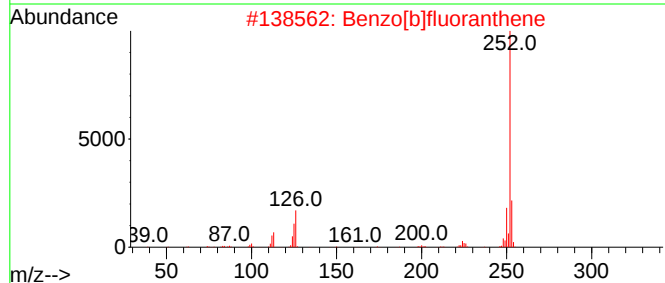
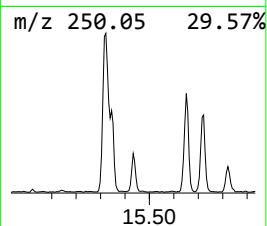
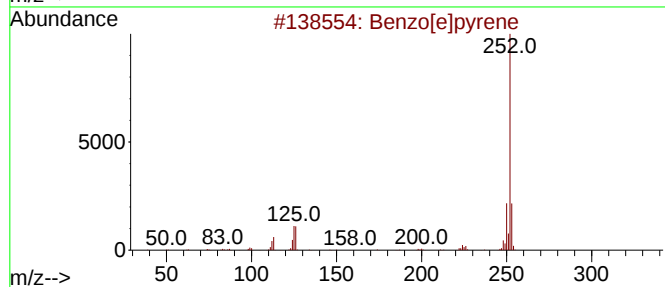
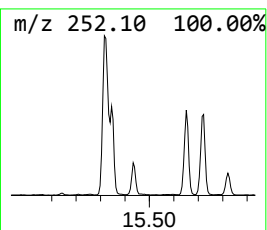
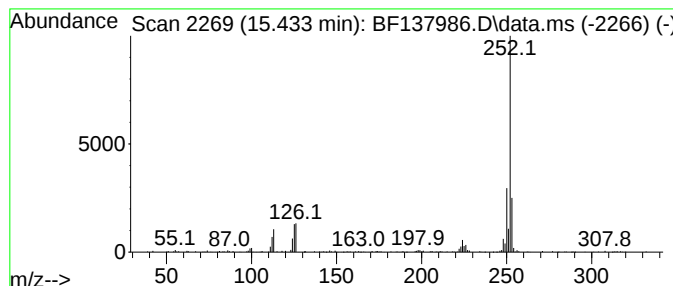
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Benzo[e]pyrene Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.433 | 3.69 ng | 164767 | Perylene-d12     | 15.786 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 97   |
| 3    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 93   |
| 4    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 93   |
| 5    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

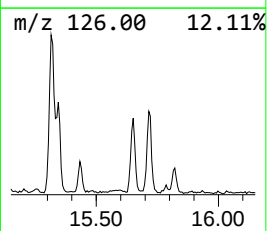
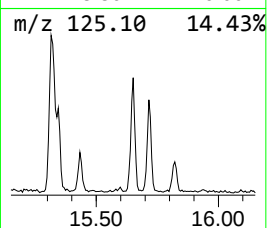
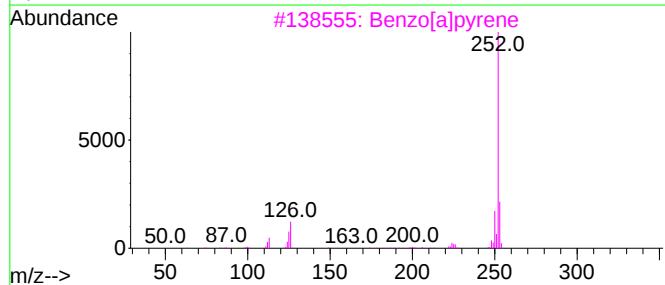
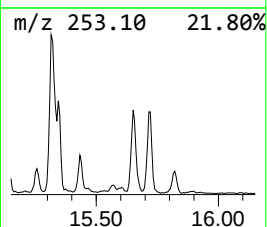
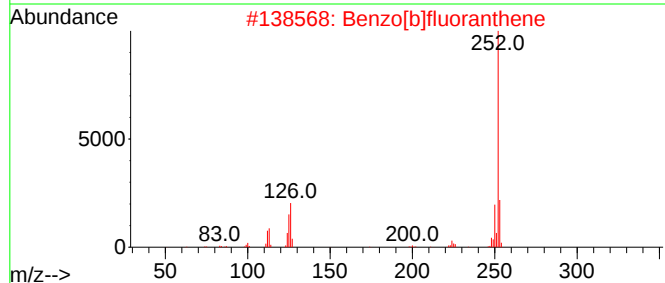
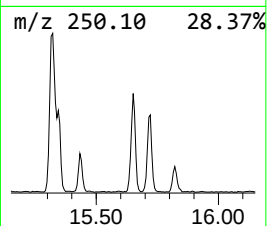
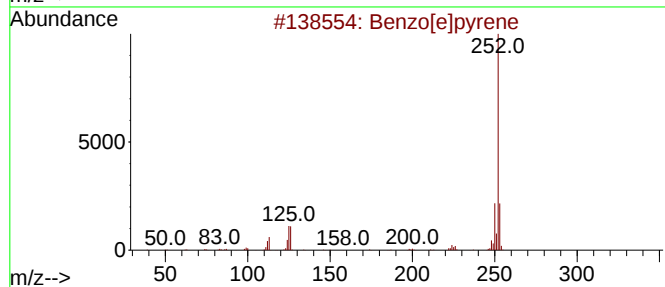
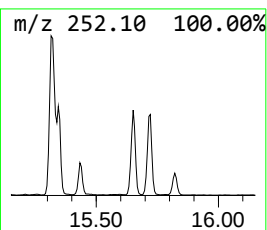
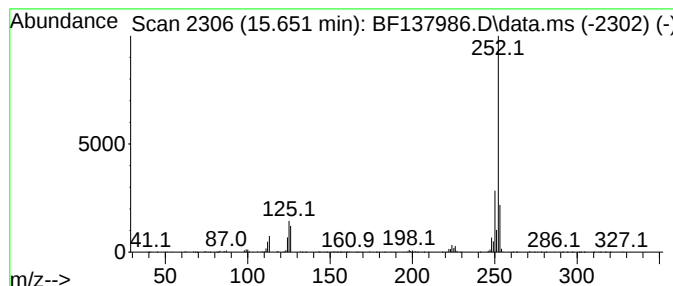
Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Benzo[j]fluoranthene Concentration Rank 2

| R.T.      | EstConc              | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------|--------|------------------|-------------|------|
| 15.651    | 12.96 ng             | 578258 | Perylene-d12     | 15.786      |      |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual |
| 1         | Benzo[e]pyrene       | 252    | C20H12           | 000192-97-2 | 98   |
| 2         | Benzo[b]fluoranthene | 252    | C20H12           | 000205-99-2 | 95   |
| 3         | Benzo[a]pyrene       | 252    | C20H12           | 000050-32-8 | 93   |
| 4         | Benzo[j]fluoranthene | 252    | C20H12           | 000205-82-3 | 90   |
| 5         | Perylene             | 252    | C20H12           | 000198-55-0 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

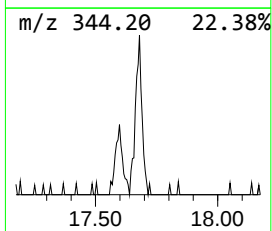
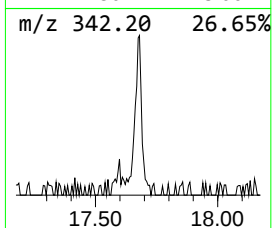
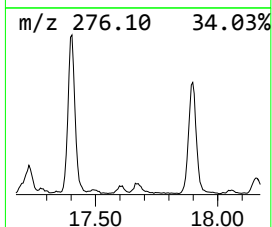
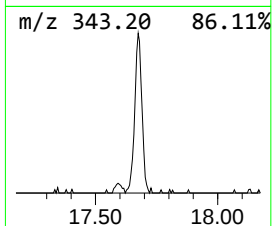
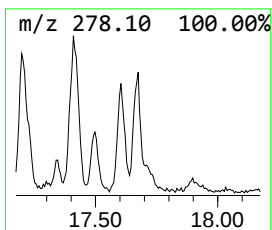
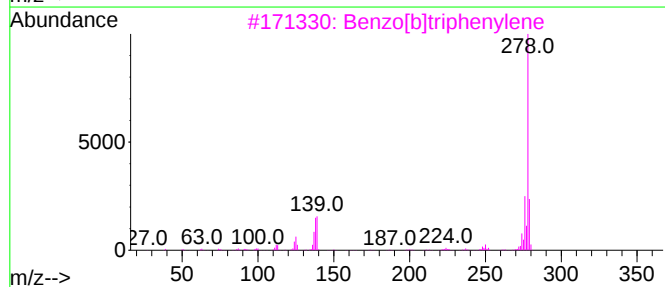
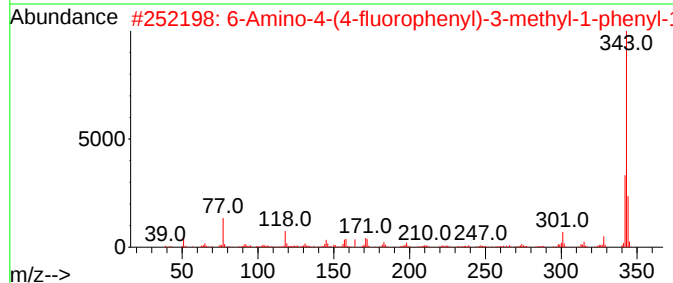
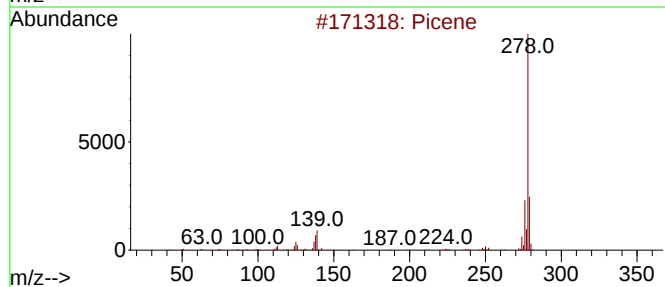
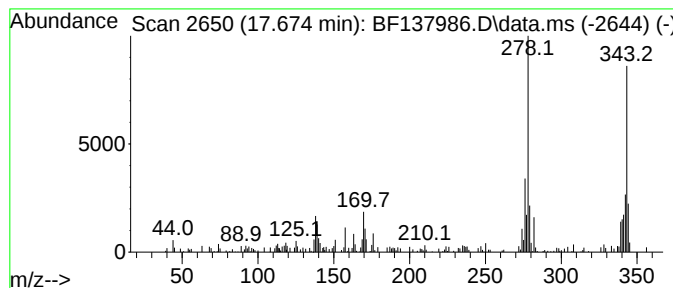
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 Picene Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.674 | 4.15 ng | 185214 | Perylene-d12     | 15.786 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Picene                              | 278 | C22H14    | 000213-46-7 | 70   |
| 2    |    |   | 6-Amino-4-(4-fluorophenyl)-3-met... | 343 | C20H14FN5 | 887396-42-1 | 42   |
| 3    |    |   | Benzo[b]triphenylene                | 278 | C22H14    | 000215-58-7 | 38   |
| 4    |    |   | Dibenz[a,h]anthracene               | 278 | C22H14    | 000053-70-3 | 30   |
| 5    |    |   | 6-[(3-Allylsalicylidene)amino]-1... | 278 | C16H14N4O | 339108-60-0 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
Data File : BF137986.D  
Acq On : 21 May 2024 19:14  
Operator : CG\JU  
Sample : P2500-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-112-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Butane, 2-metho... | 2.387  | 60.6    | ng    | 2561020  | 1                     | 7.034  | 845183  | 20.0 |
| Hexadecane         | 10.492 | 3.1     | ng    | 206779   | 3                     | 10.081 | 1349290 | 20.0 |
| Hexadecane, 2,6... | 10.981 | 6.8     | ng    | 464060   | 4                     | 11.575 | 1360600 | 20.0 |
| Octadecane         | 11.416 | 3.6     | ng    | 242583   | 4                     | 11.575 | 1360600 | 20.0 |
| Nonadecane         | 11.845 | 3.0     | ng    | 202259   | 4                     | 11.575 | 1360600 | 20.0 |
| n-Hexadecanoic ... | 12.081 | 5.9     | ng    | 403032   | 4                     | 11.575 | 1360600 | 20.0 |
| Phenanthrene, 2... | 12.104 | 3.3     | ng    | 222415   | 4                     | 11.575 | 1360600 | 20.0 |
| 1H-Cyclopropa[1... | 12.186 | 3.7     | ng    | 251871   | 4                     | 11.575 | 1360600 | 20.0 |
| Dodecane           | 12.251 | 3.4     | ng    | 230851   | 4                     | 11.575 | 1360600 | 20.0 |
| Phenanthrene, 4... | 12.628 | 2.9     | ng    | 193677   | 4                     | 11.575 | 1360600 | 20.0 |
| Heptadecane, 2...  | 12.645 | 3.5     | ng    | 241153   | 4                     | 11.575 | 1360600 | 20.0 |
| Cyclopenta(def)... | 12.710 | 2.8     | ng    | 193082   | 4                     | 11.575 | 1360600 | 20.0 |
| Pyrene, 1-methyl-  | 13.233 | 4.0     | ng    | 384190   | 5                     | 14.227 | 1935120 | 20.0 |
| Pyrene, 4-methyl-  | 13.451 | 2.9     | ng    | 276253   | 5                     | 14.227 | 1935120 | 20.0 |
| 11H-Benzo[a]flu... | 13.857 | 3.0     | ng    | 290372   | 5                     | 14.227 | 1935120 | 20.0 |
| 7H-Benz[de]anth... | 14.063 | 3.8     | ng    | 366510   | 5                     | 14.227 | 1935120 | 20.0 |
| 3-Hydroxy-1-met... | 15.121 | 4.5     | ng    | 199130   | 6                     | 15.786 | 892301  | 20.0 |
| Benzo[e]pyrene     | 15.433 | 3.7     | ng    | 164767   | 6                     | 15.786 | 892301  | 20.0 |
| Benzo[j]fluoran... | 15.651 | 13.0    | ng    | 578258   | 6                     | 15.786 | 892301  | 20.0 |
| Picene             | 17.674 | 4.2     | ng    | 185214   | 6                     | 15.786 | 892301  | 20.0 |