

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
 Data File : BF123394.D  
 Acq On : 18 Mar 2021 20:59  
 Operator : JU/CG  
 Sample : M1713-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6A

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-BF031721.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123394.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         | 2.122       | 3             | 6           | 14           | rVB2     | 33359          | 53283         | 1.26%           | 0.124%        |
| 2         | 5.004       | 492           | 496         | 506          | rVB      | 60337          | 83404         | 1.98%           | 0.195%        |
| 3         | 5.416       | 562           | 566         | 580          | rBV      | 4032211        | 4014129       | 95.23%          | 9.375%        |
| 4         | 6.433       | 735           | 739         | 757          | rBV      | 3930848        | 4215172       | 100.00%         | 9.844%        |
| 5         | 6.628       | 767           | 772         | 777          | rBV4     | 48202          | 84156         | 2.00%           | 0.197%        |
| 6         | 6.786       | 796           | 799         | 803          | rBV      | 1355151        | 1188426       | 28.19%          | 2.776%        |
| 7         | 7.351       | 891           | 895         | 900          | rBV      | 2734196        | 2694356       | 63.92%          | 6.293%        |
| 8         | 8.075       | 1012          | 1018        | 1020         | rBV      | 1818803        | 1617135       | 38.36%          | 3.777%        |
| 9         | 8.092       | 1020          | 1021        | 1026         | rVB      | 199140         | 138829        | 3.29%           | 0.324%        |
| 10        | 9.151       | 1196          | 1201        | 1204         | rBV      | 4572032        | 4113280       | 97.58%          | 9.606%        |
| 11        | 9.233       | 1211          | 1215        | 1217         | rBV      | 66127          | 65414         | 1.55%           | 0.153%        |
| 12        | 9.545       | 1264          | 1268        | 1272         | rBV      | 384433         | 362058        | 8.59%           | 0.846%        |
| 13        | 9.639       | 1281          | 1284        | 1290         | rBV4     | 42619          | 58963         | 1.40%           | 0.138%        |
| 14        | 9.686       | 1290          | 1292        | 1298         | rVB      | 216419         | 211916        | 5.03%           | 0.495%        |
| 15        | 9.763       | 1302          | 1305        | 1307         | rVB      | 65943          | 46810         | 1.11%           | 0.109%        |
| 16        | 9.827       | 1312          | 1316        | 1320         | rBV      | 2056897        | 1655922       | 39.28%          | 3.867%        |
| 17        | 10.033      | 1347          | 1351        | 1355         | rVB3     | 50051          | 54717         | 1.30%           | 0.128%        |
| 18        | 10.233      | 1381          | 1385        | 1387         | rBV2     | 45863          | 53450         | 1.27%           | 0.125%        |
| 19        | 10.263      | 1387          | 1390        | 1392         | rVB      | 56172          | 52849         | 1.25%           | 0.123%        |
| 20        | 10.374      | 1406          | 1409        | 1414         | rBV4     | 37695          | 54221         | 1.29%           | 0.127%        |
| 21        | 10.480      | 1422          | 1427        | 1433         | rBV2     | 66173          | 90681         | 2.15%           | 0.212%        |
| 22        | 10.621      | 1444          | 1451        | 1454         | rBV      | 2037886        | 2062948       | 48.94%          | 4.818%        |
| 23        | 10.745      | 1468          | 1472        | 1479         | rVB2     | 132727         | 193302        | 4.59%           | 0.451%        |
| 24        | 10.886      | 1493          | 1496        | 1499         | rBV      | 51244          | 45779         | 1.09%           | 0.107%        |
| 25        | 10.927      | 1499          | 1503        | 1506         | rBV5     | 36213          | 58082         | 1.38%           | 0.136%        |
| 26        | 11.121      | 1534          | 1536        | 1540         | rVB      | 55548          | 51307         | 1.22%           | 0.120%        |
| 27        | 11.168      | 1540          | 1544        | 1545         | rBV3     | 42048          | 47476         | 1.13%           | 0.111%        |
| 28        | 11.216      | 1549          | 1552        | 1557         | rVB2     | 69101          | 77836         | 1.85%           | 0.182%        |
| 29        | 11.274      | 1557          | 1562        | 1565         | rBV2     | 38300          | 48097         | 1.14%           | 0.112%        |
| 30        | 11.316      | 1565          | 1569        | 1572         | rBV      | 1643069        | 1444015       | 34.26%          | 3.372%        |
| 31        | 11.339      | 1572          | 1573        | 1575         | rVV      | 243937         | 135641        | 3.22%           | 0.317%        |
| 32        | 11.392      | 1579          | 1582        | 1585         | rVB      | 141752         | 135976        | 3.23%           | 0.318%        |
| 33        | 11.427      | 1585          | 1588        | 1591         | rBV3     | 51492          | 56799         | 1.35%           | 0.133%        |
| 34        | 11.574      | 1610          | 1613        | 1617         | rVB4     | 39571          | 63678         | 1.51%           | 0.149%        |
| 35        | 11.610      | 1617          | 1619        | 1624         | rBV2     | 89890          | 72806         | 1.73%           | 0.170%        |
| 36        | 11.710      | 1633          | 1636        | 1638         | rVB      | 68124          | 54708         | 1.30%           | 0.128%        |

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 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6A

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-BF031721.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.821 | 1651 | 1655 | 1657 | rBV  | 84281   | 102880  | 2.44%  | 0.240% |
| 38 | 11.851 | 1657 | 1660 | 1665 | rVV  | 560665  | 599840  | 14.23% | 1.401% |
| 39 | 11.898 | 1665 | 1668 | 1671 | rVV2 | 136648  | 194670  | 4.62%  | 0.455% |
| 40 | 11.933 | 1671 | 1674 | 1682 | rVB3 | 208094  | 330121  | 7.83%  | 0.771% |
| 41 | 12.021 | 1683 | 1689 | 1692 | rVV6 | 75112   | 142673  | 3.38%  | 0.333% |
| 42 | 12.057 | 1693 | 1695 | 1697 | rVV3 | 60947   | 64244   | 1.52%  | 0.150% |
| 43 | 12.098 | 1699 | 1702 | 1707 | rVV3 | 158053  | 207342  | 4.92%  | 0.484% |
| 44 | 12.139 | 1707 | 1709 | 1713 | rVB3 | 71242   | 79102   | 1.88%  | 0.185% |
| 45 | 12.263 | 1725 | 1730 | 1733 | rBV2 | 227924  | 239862  | 5.69%  | 0.560% |
| 46 | 12.292 | 1733 | 1735 | 1738 | rVV  | 292458  | 271657  | 6.44%  | 0.634% |
| 47 | 12.345 | 1741 | 1744 | 1746 | rVV2 | 118367  | 133574  | 3.17%  | 0.312% |
| 48 | 12.368 | 1746 | 1748 | 1750 | rVV  | 107396  | 88398   | 2.10%  | 0.206% |
| 49 | 12.410 | 1752 | 1755 | 1757 | rVV3 | 103834  | 108190  | 2.57%  | 0.253% |
| 50 | 12.457 | 1760 | 1763 | 1768 | rVB2 | 88567   | 104339  | 2.48%  | 0.244% |
| 51 | 12.533 | 1772 | 1776 | 1779 | rBV  | 942415  | 837669  | 19.87% | 1.956% |
| 52 | 12.574 | 1780 | 1783 | 1785 | rVB2 | 171545  | 144298  | 3.42%  | 0.337% |
| 53 | 12.633 | 1789 | 1793 | 1798 | rBV2 | 188696  | 283048  | 6.71%  | 0.661% |
| 54 | 12.698 | 1802 | 1804 | 1808 | rVB3 | 68141   | 56407   | 1.34%  | 0.132% |
| 55 | 12.762 | 1809 | 1815 | 1817 | rBV  | 983036  | 983318  | 23.33% | 2.296% |
| 56 | 12.874 | 1831 | 1834 | 1836 | rBV2 | 183102  | 188667  | 4.48%  | 0.441% |
| 57 | 12.910 | 1836 | 1840 | 1846 | rVV  | 2734962 | 2911506 | 69.07% | 6.800% |
| 58 | 12.980 | 1849 | 1852 | 1856 | rVV3 | 136587  | 210922  | 5.00%  | 0.493% |
| 59 | 13.045 | 1859 | 1863 | 1865 | rVV  | 283430  | 294717  | 6.99%  | 0.688% |
| 60 | 13.092 | 1869 | 1871 | 1874 | rVB  | 206914  | 172063  | 4.08%  | 0.402% |
| 61 | 13.157 | 1880 | 1882 | 1884 | rVB  | 123861  | 84432   | 2.00%  | 0.197% |
| 62 | 13.192 | 1884 | 1888 | 1892 | rBV2 | 216703  | 258048  | 6.12%  | 0.603% |
| 63 | 13.286 | 1901 | 1904 | 1907 | rBV  | 184154  | 145196  | 3.44%  | 0.339% |
| 64 | 13.315 | 1907 | 1909 | 1913 | rBV  | 121284  | 125979  | 2.99%  | 0.294% |
| 65 | 13.598 | 1955 | 1957 | 1962 | rVB2 | 100620  | 121940  | 2.89%  | 0.285% |
| 66 | 13.739 | 1979 | 1981 | 1983 | rVB  | 104199  | 69739   | 1.65%  | 0.163% |
| 67 | 13.762 | 1983 | 1985 | 1990 | rBV2 | 134910  | 146271  | 3.47%  | 0.342% |
| 68 | 13.809 | 1990 | 1993 | 2002 | rVB3 | 440733  | 638613  | 15.15% | 1.491% |
| 69 | 13.962 | 2014 | 2019 | 2022 | rBV2 | 1189455 | 1701622 | 40.37% | 3.974% |
| 70 | 13.986 | 2022 | 2023 | 2026 | rVB  | 516795  | 368103  | 8.73%  | 0.860% |
| 71 | 14.068 | 2035 | 2037 | 2039 | rBV  | 159916  | 113336  | 2.69%  | 0.265% |
| 72 | 14.351 | 2083 | 2085 | 2088 | rVB  | 214234  | 167314  | 3.97%  | 0.391% |
| 73 | 14.474 | 2104 | 2106 | 2108 | rBV2 | 136030  | 106233  | 2.52%  | 0.248% |
| 74 | 14.998 | 2191 | 2195 | 2198 | rBV  | 772778  | 1212512 | 28.77% | 2.832% |
| 75 | 15.098 | 2210 | 2212 | 2216 | rBV  | 240696  | 244948  | 5.81%  | 0.572% |
| 76 | 15.292 | 2242 | 2245 | 2251 | rVB  | 560228  | 673227  | 15.97% | 1.572% |

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Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

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-BF031721.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 77 | 15.351 | 2251 | 2255 | 2260 | rBV  | 850261 | 1085434 | 25.75% | 2.535% |
| 78 | 15.415 | 2262 | 2266 | 2268 | rBV  | 615497 | 754199  | 17.89% | 1.761% |
| 79 | 16.845 | 2504 | 2509 | 2516 | rVB2 | 309055 | 593916  | 14.09% | 1.387% |

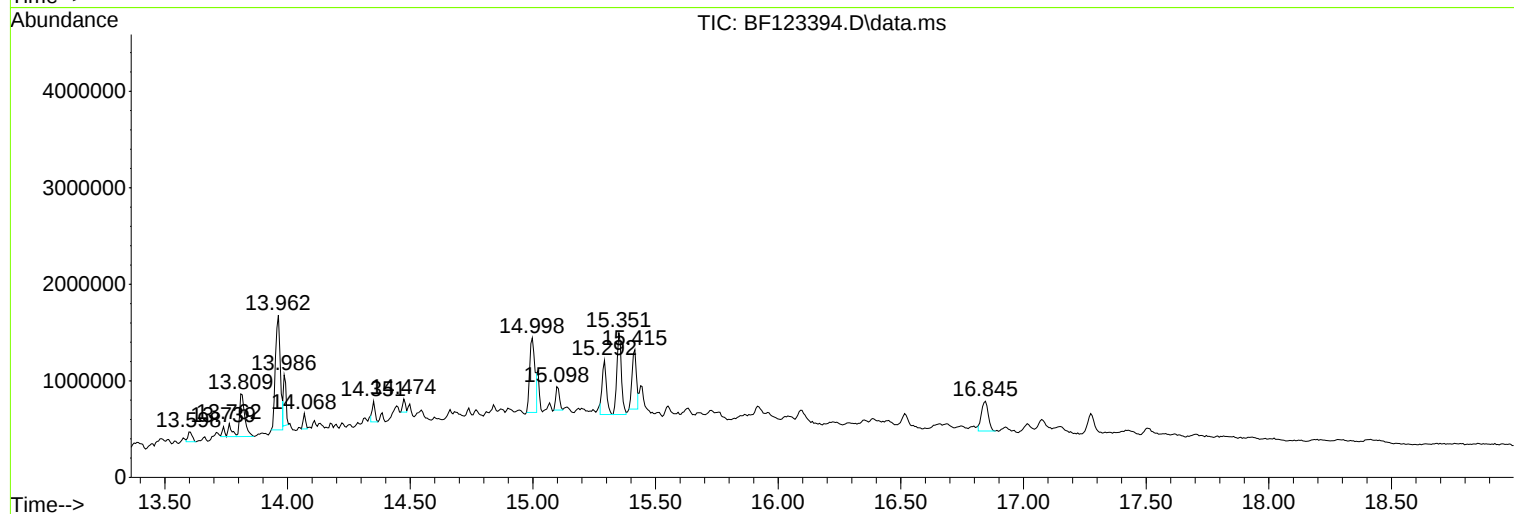
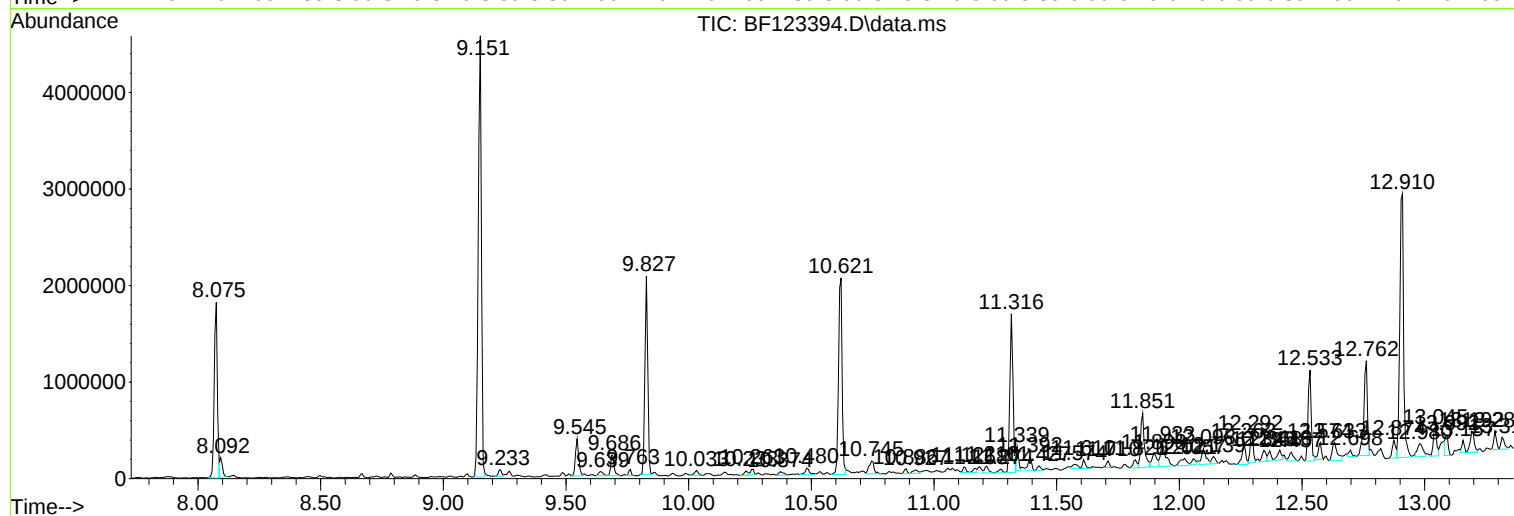
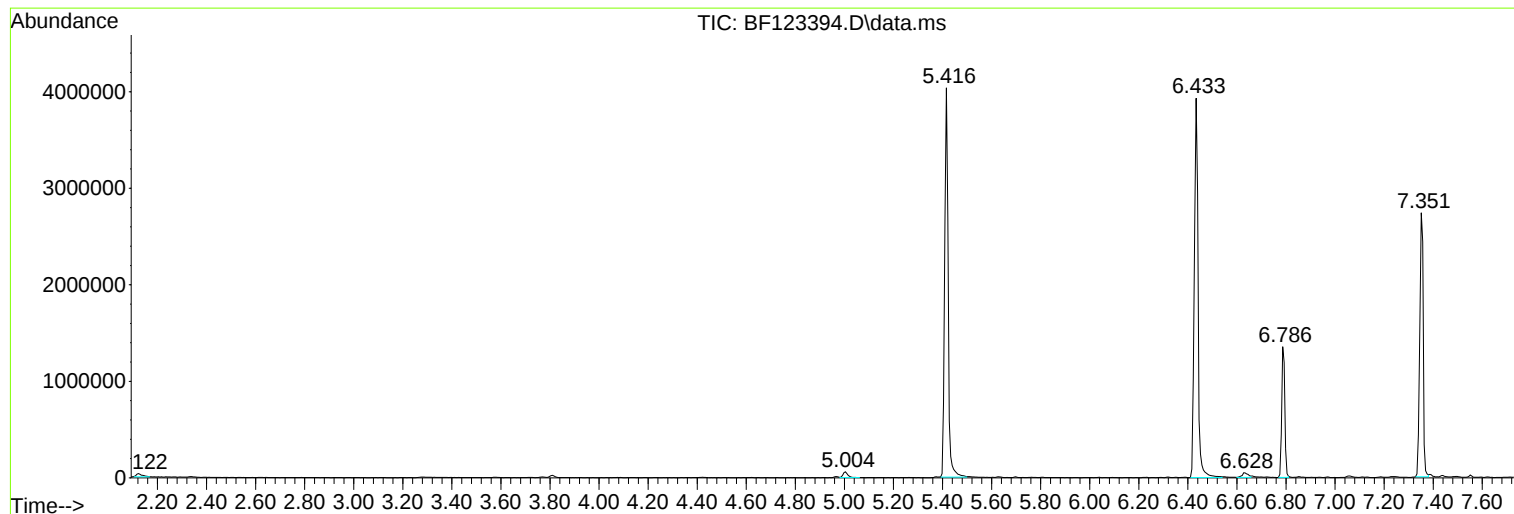
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Sample : M1713-01  
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Instrument :  
BNA\_F  
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TP-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031721.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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Data File : BF123394.D  
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ClientSampleId :  
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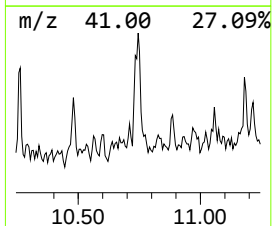
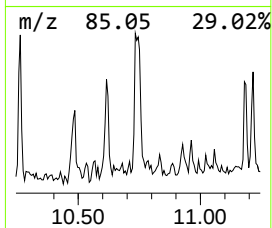
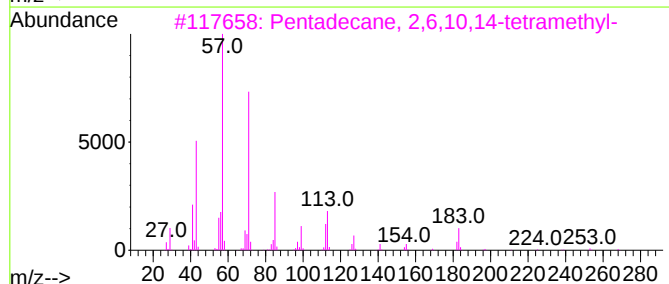
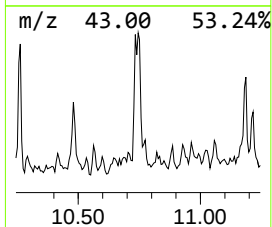
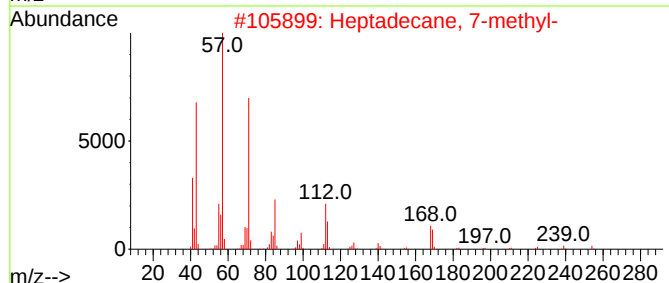
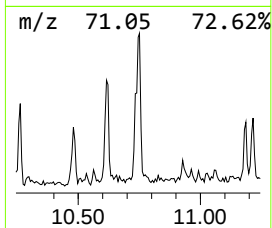
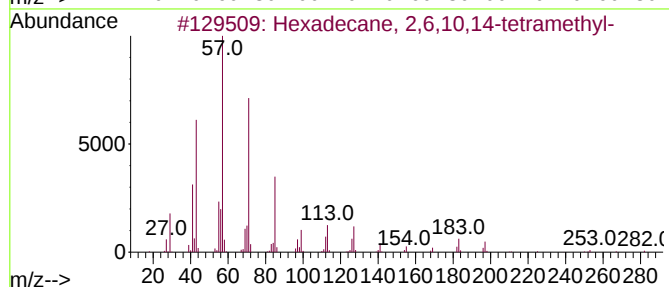
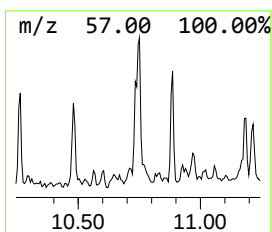
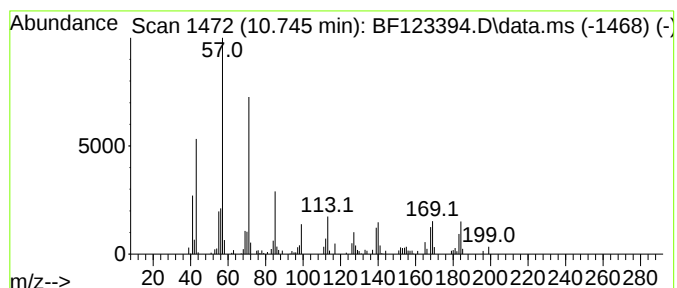
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Hexadecane, 2,6,10,14-tetra... Concentration Rank 13

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 10.745    | 2.68 ng                             | 193302 | Phenanthrene-d10 | 11.316      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexadecane, 2,6,10,14-tetramethyl-  | 282    | C20H42           | 000638-36-8 | 52   |
| 2         | Heptadecane, 7-methyl-              | 254    | C18H38           | 020959-33-5 | 52   |
| 3         | Pentadecane, 2,6,10,14-tetramethyl- | 268    | C19H40           | 001921-70-6 | 52   |
| 4         | Decane, 2-methyl-                   | 156    | C11H24           | 006975-98-0 | 50   |
| 5         | Dodecane, 2,6,11-trimethyl-         | 212    | C15H32           | 031295-56-4 | 46   |



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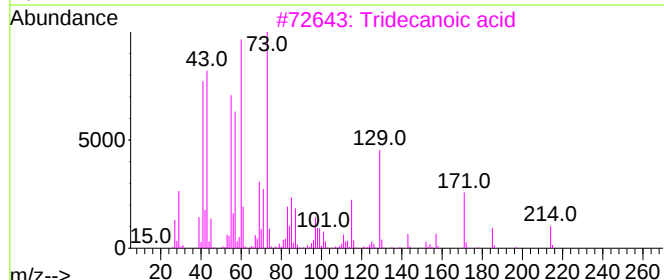
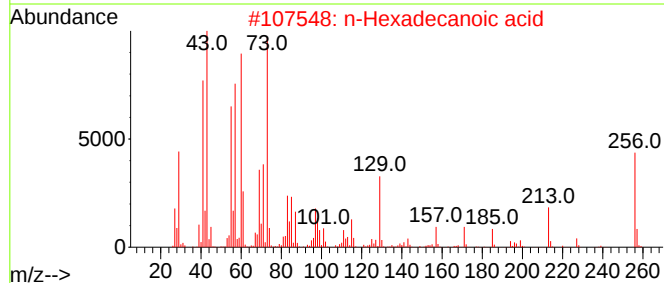
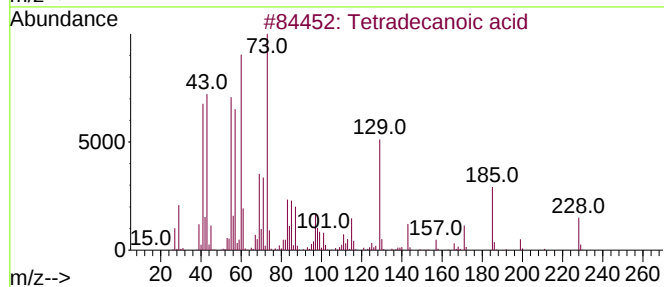
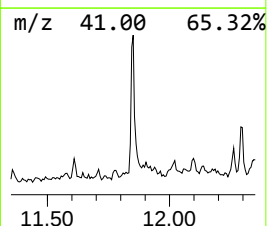
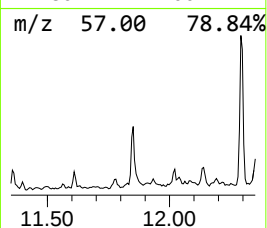
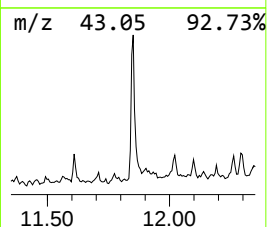
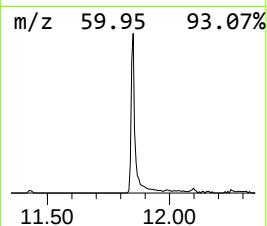
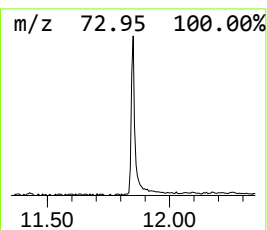
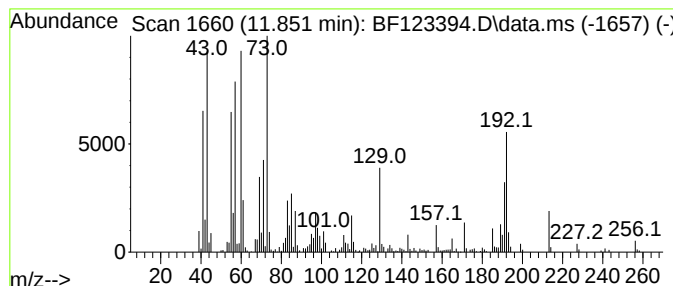
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Tetradecanoic acid Concentration Rank 2

| R.T.      | EstConc             | Area   | Relative to ISTD |          | R.T.        |      |
|-----------|---------------------|--------|------------------|----------|-------------|------|
| 11.851    | 8.31 ng             | 599840 | Phenanthrene-d10 |          | 11.316      |      |
| Hit# of 5 | Tentative ID        |        | MW               | MolForm  | CAS#        | Qual |
| 1         | Tetradecanoic acid  |        | 228              | C14H28O2 | 000544-63-8 | 97   |
| 2         | n-Hexadecanoic acid |        | 256              | C16H32O2 | 000057-10-3 | 97   |
| 3         | Tridecanoic acid    |        | 214              | C13H26O2 | 000638-53-9 | 90   |
| 4         | Pentadecanoic acid  |        | 242              | C15H30O2 | 001002-84-2 | 86   |
| 5         | n-Decanoic acid     |        | 172              | C10H20O2 | 000334-48-5 | 60   |



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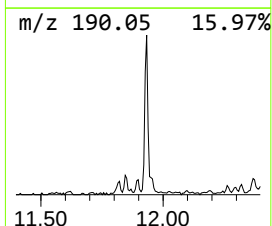
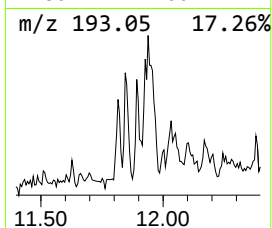
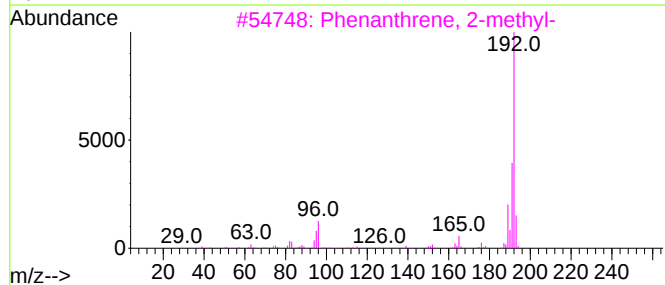
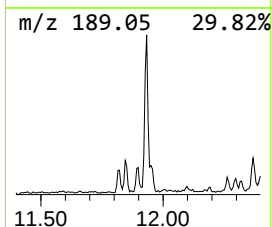
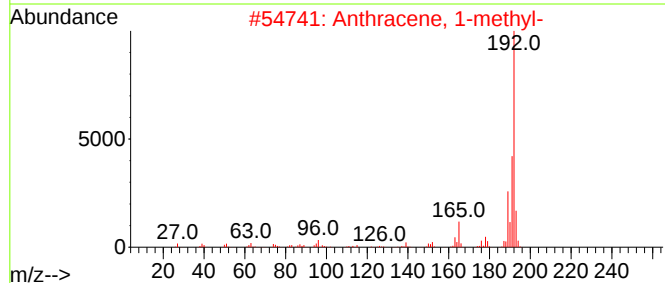
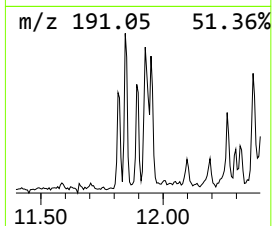
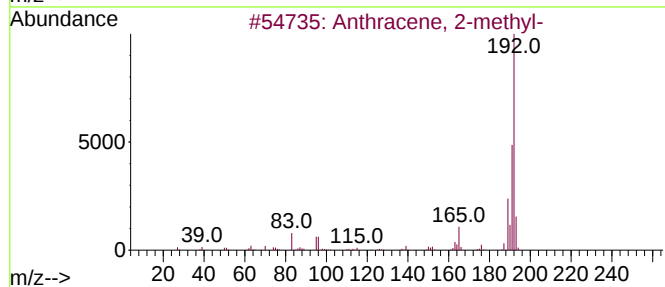
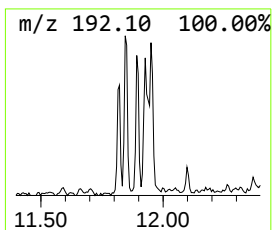
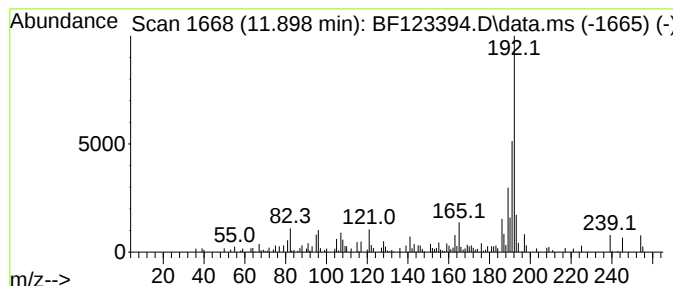
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Anthracene, 2-methyl- Concentration Rank 12

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.898 | 2.70 ng | 194670 | Phenanthrene-d10 | 11.316 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 94   |
| 2    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 94   |
| 3    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 76   |
| 4    |    |   | Phenanthrene, 3-methyl- | 192 | C15H12  | 000832-71-3 | 76   |
| 5    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

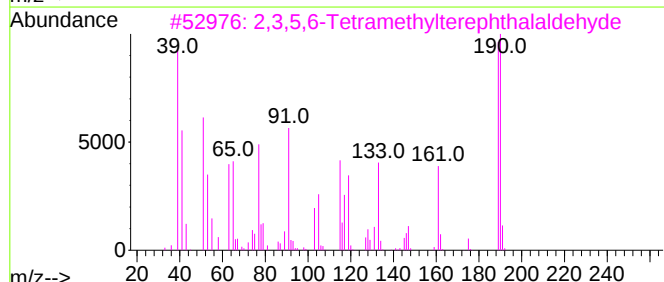
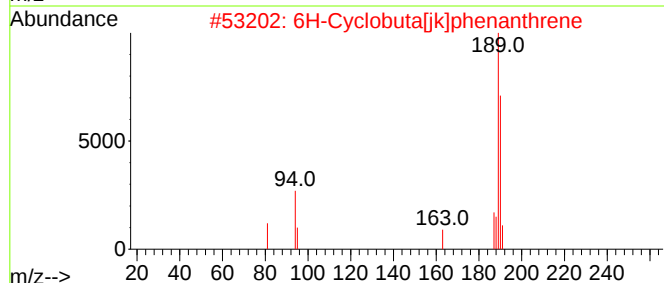
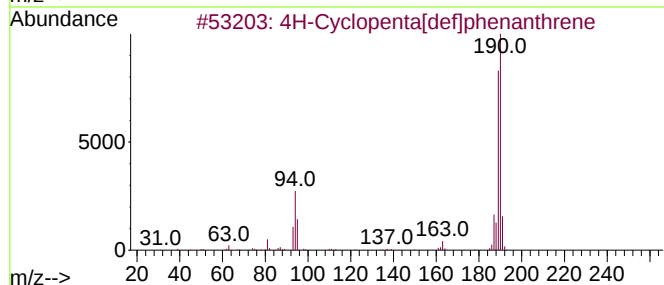
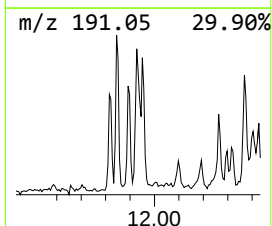
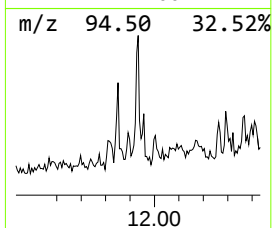
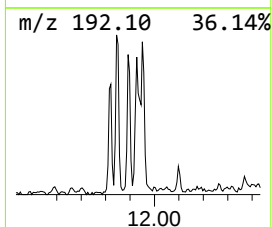
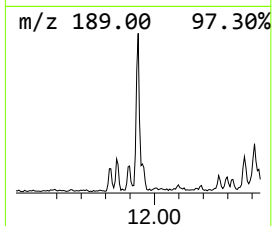
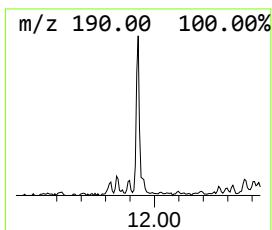
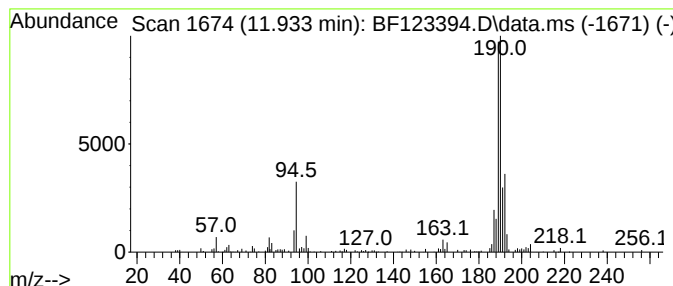
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.933 | 4.57 ng | 330121 | Phenanthrene-d10 | 11.316 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 94   |
| 2    |    |   | 6H-Cyclobuta[jk]phenanthrene        | 190 | C15H10   | 083469-43-6 | 64   |
| 3    |    |   | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50   |
| 4    |    |   | 2,2'-Bis(4,5-dimethylimidazole)     | 190 | C10H14N4 | 069286-06-2 | 45   |
| 5    |    |   | Methyl diselenide                   | 190 | C2H6Se2  | 007101-31-7 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

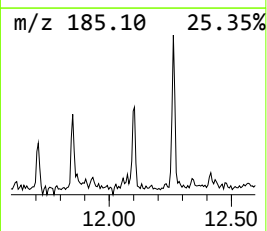
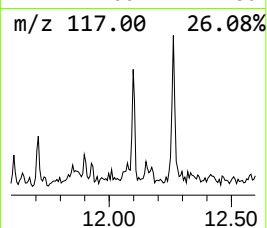
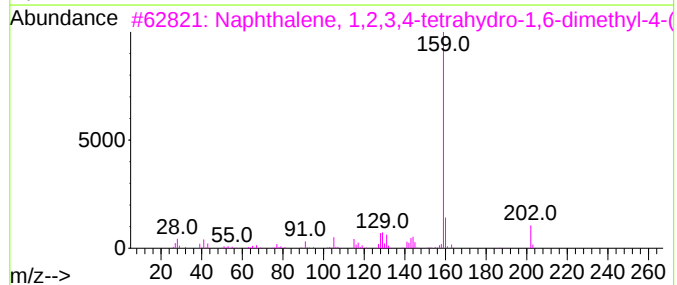
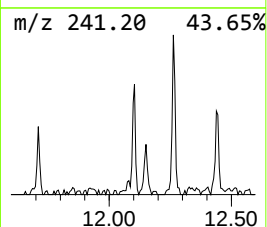
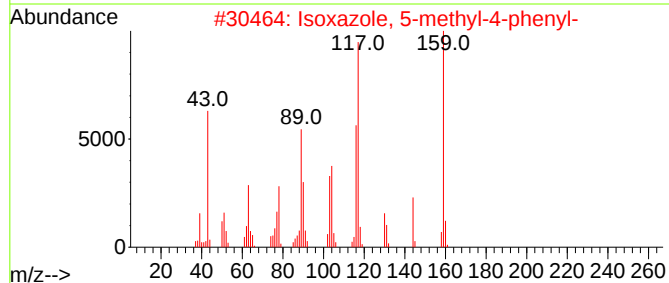
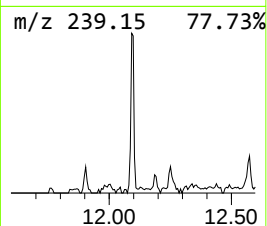
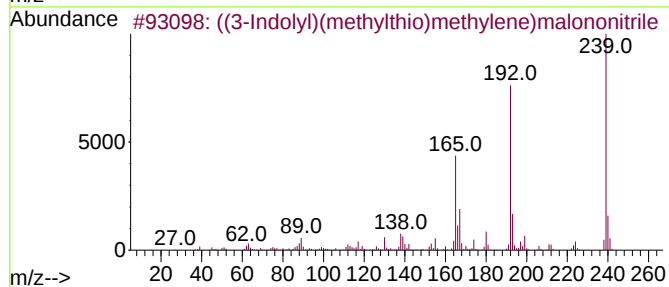
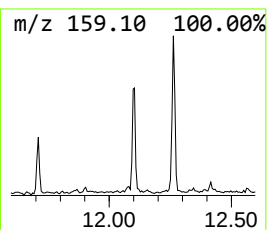
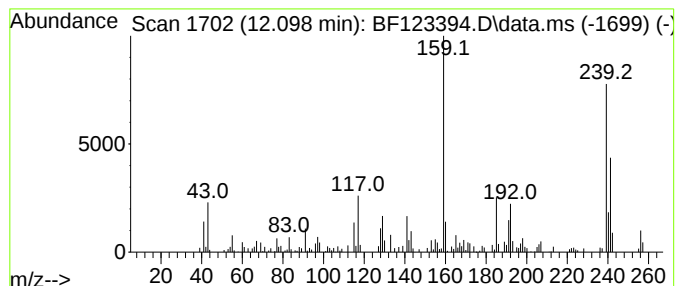
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown12.098 Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.098 | 2.87 ng | 207342 | Phenanthrene-d10 | 11.316 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | ((3-Indolyl)(methylthio)methylen... | 239 | C13H9N3S  | 018374-66-8 | 27   |
| 2    |    |   | Isoxazole, 5-methyl-4-phenyl-       | 159 | C10H9NO   | 023253-49-8 | 22   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 202 | C15H22    | 000483-77-2 | 15   |
| 4    |    |   | 5-Amino-4-nitrozo-2-phenyl(2H)be... | 239 | C12H9N5O  | 166766-11-6 | 14   |
| 5    |    |   | 5-Nitro-3-phenyl-1H-indazole        | 239 | C13H9N3O2 | 293758-67-5 | 14   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

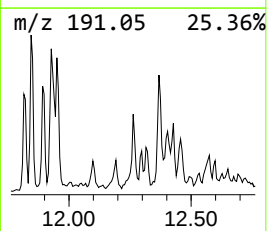
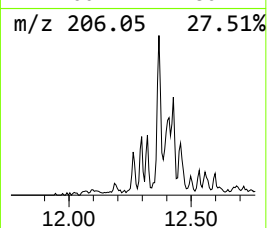
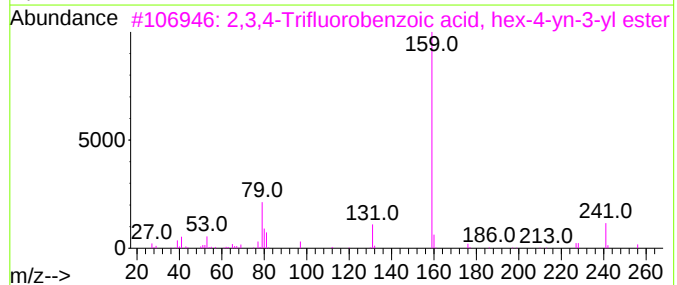
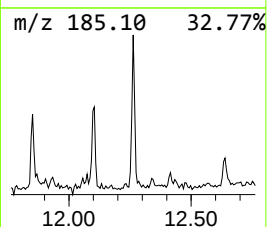
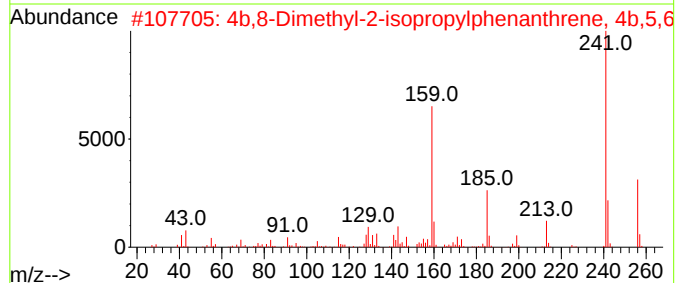
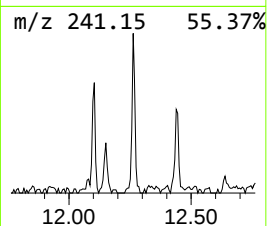
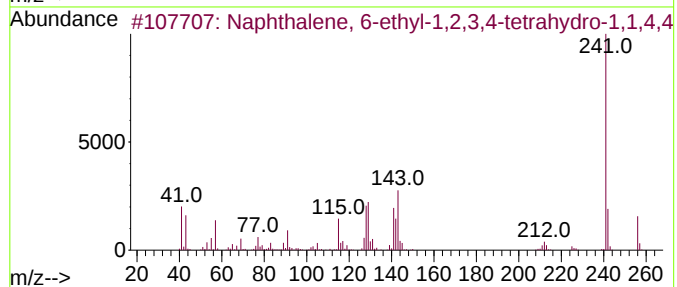
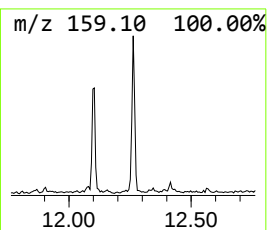
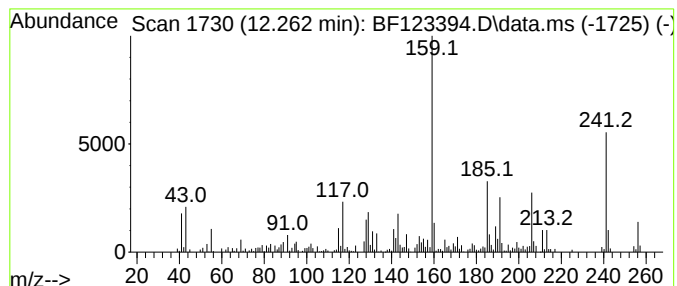
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 unknown12.262 Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.262 | 3.32 ng | 239862 | Phenanthrene-d10 | 11.316 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Naphthalene, 6-ethyl-1,2,3,4-tet... | 256 | C19H28     | 301643-35-6  | 46   |
| 2    |    |   | 4b,8-Dimethyl-2-isopropylphenant... | 256 | C19H28     | 1000197-14-1 | 46   |
| 3    |    |   | 2,3,4-Trifluorobenzoic acid, hex... | 256 | C13H11F3O2 | 1000292-55-4 | 43   |
| 4    |    |   | 1H-Benz[de]isoquinoline-1,3(2H)-... | 241 | C14H11N03  | 055133-82-9  | 20   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 202 | C15H22     | 000483-77-2  | 18   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

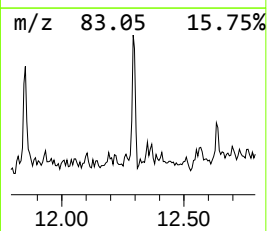
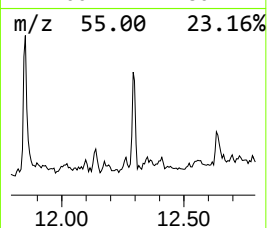
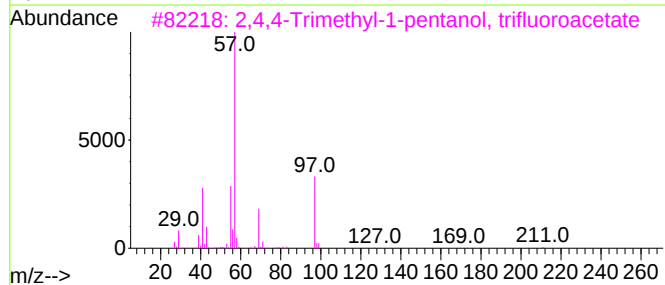
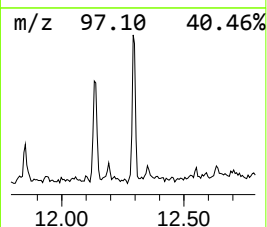
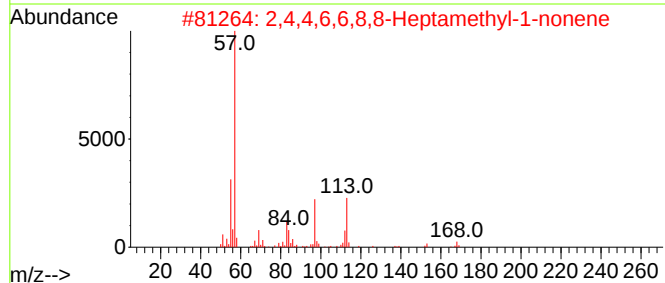
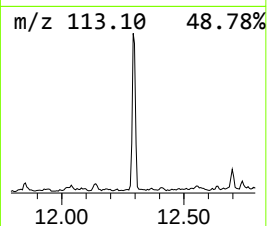
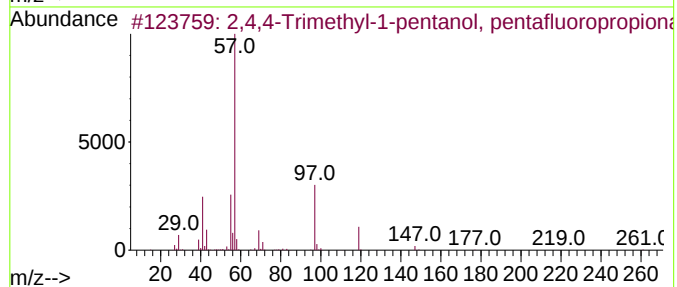
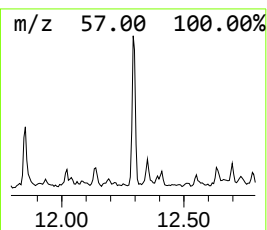
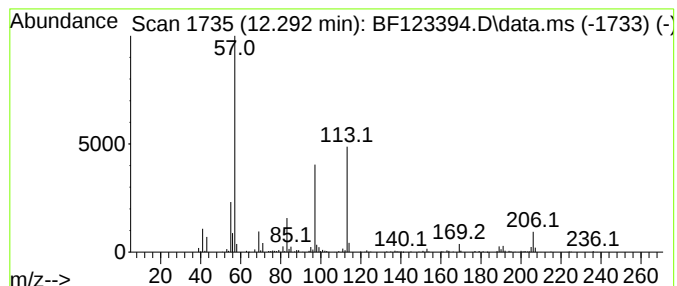
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 unknown12.292 Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.292 | 3.76 ng | 271657 | Phenanthrene-d10 | 11.316 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 2,4,4-Trimethyl-1-pentanol, pent... | 276 | C11H17F5O2 | 1000365-51-0 | 38   |
| 2    |    |   | 2,4,4,6,6,8,8-Heptamethyl-1-nonene  | 224 | C16H32     | 015796-04-0  | 25   |
| 3    |    |   | 2,4,4-Trimethyl-1-pentanol, trif... | 226 | C10H17F3O2 | 1000365-19-5 | 25   |
| 4    |    |   | 2,4,4-Trimethyl-1-pentanol, hept... | 326 | C12H17F7O2 | 1000365-01-4 | 25   |
| 5    |    |   | Octane, 2-bromo-                    | 192 | C8H17Br    | 000557-35-7  | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

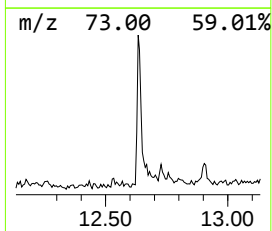
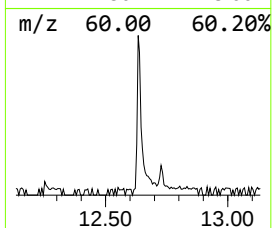
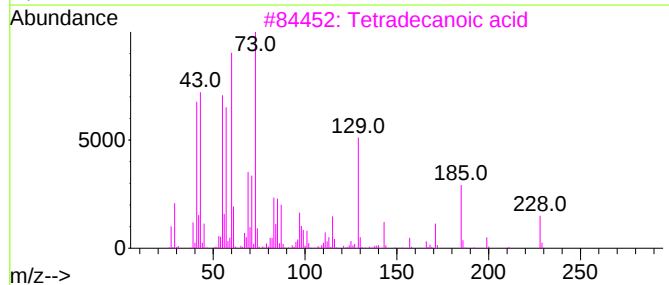
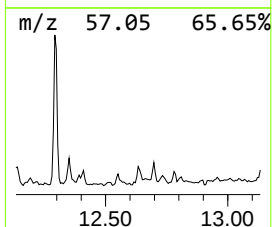
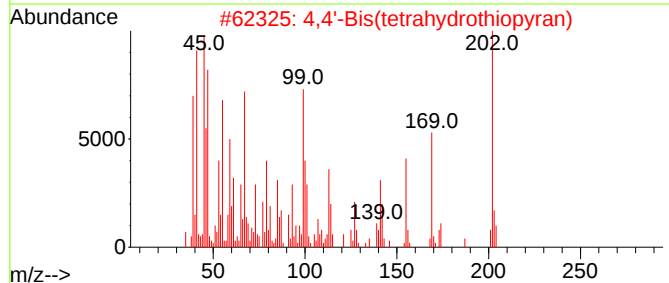
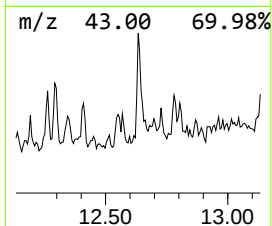
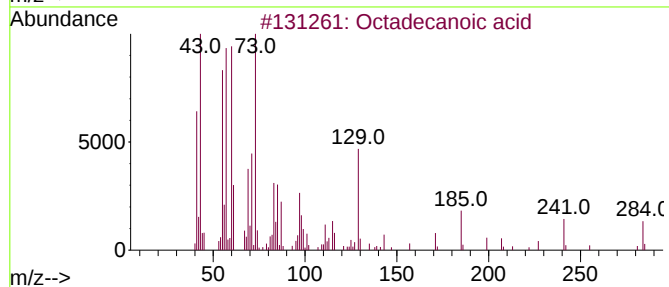
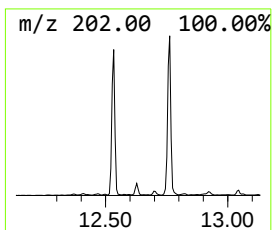
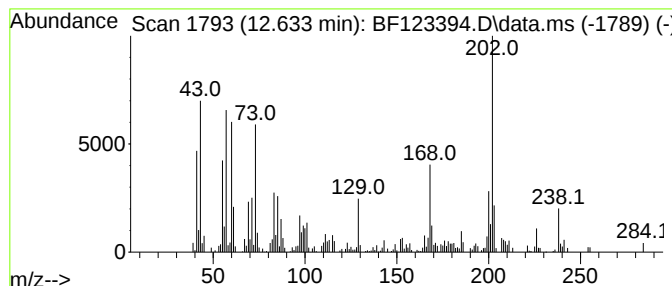
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Octadecanoic acid Concentration Rank 6

| R.T.      | EstConc                       | Area   | Relative to ISTD |          | R.T.        |      |
|-----------|-------------------------------|--------|------------------|----------|-------------|------|
| 12.633    | 3.92 ng                       | 283048 | Phenanthrene-d10 |          | 11.316      |      |
| Hit# of 5 | Tentative ID                  |        | MW               | MolForm  | CAS#        | Qual |
| 1         | Octadecanoic acid             |        | 284              | C18H36O2 | 000057-11-4 | 92   |
| 2         | 4,4'-Bis(tetrahydrothiopyran) |        | 202              | C10H18S2 | 116196-83-9 | 74   |
| 3         | Tetradecanoic acid            |        | 228              | C14H28O2 | 000544-63-8 | 56   |
| 4         | Fluoranthene                  |        | 202              | C16H10   | 000206-44-0 | 46   |
| 5         | Pyrene                        |        | 202              | C16H10   | 000129-00-0 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

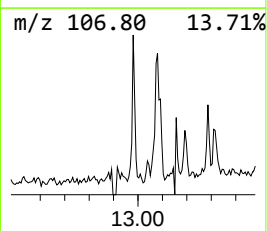
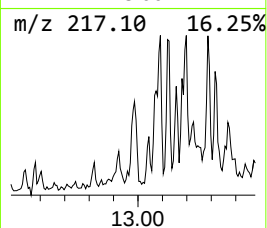
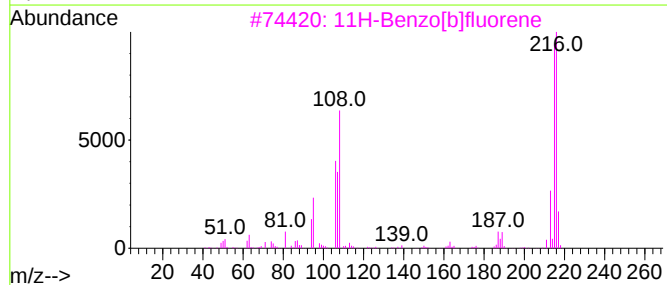
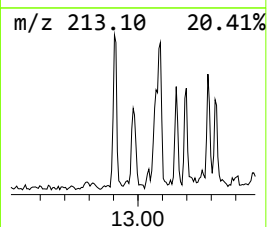
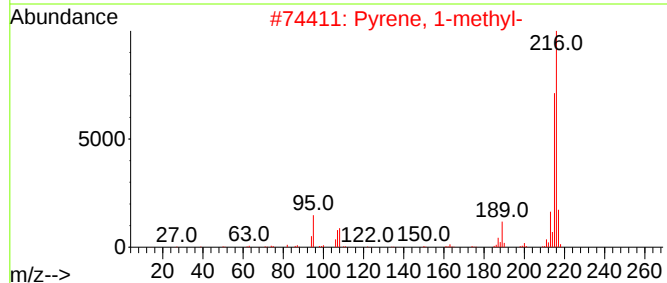
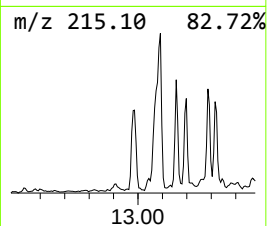
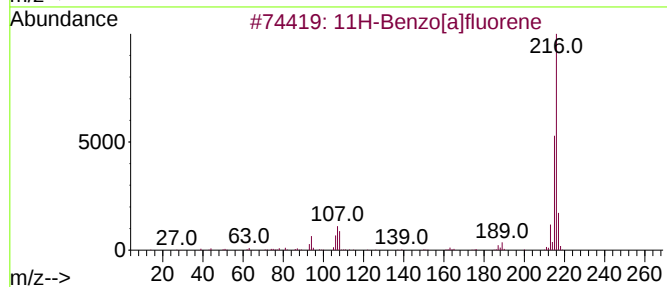
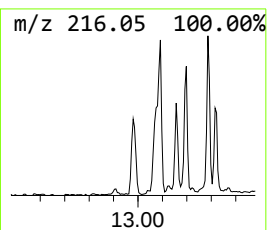
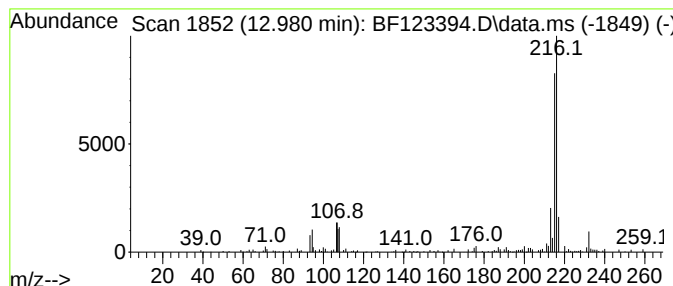
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 14

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.980 | 2.48 ng | 210922 | Chrysene-d12     | 13.962 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 90   |
| 2    |      | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 80   |
| 3    |      | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 74   |
| 4    |      | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 68   |
| 5    |      | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

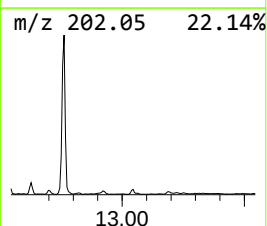
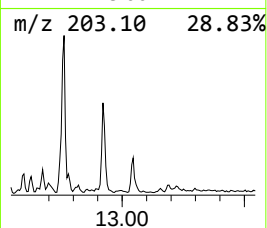
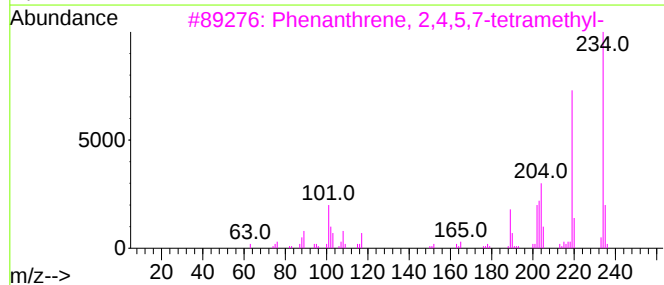
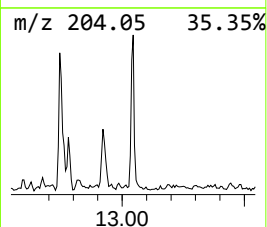
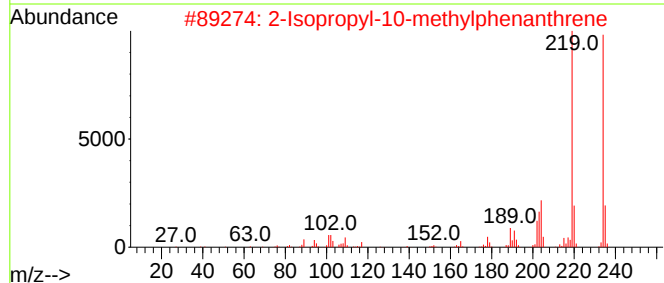
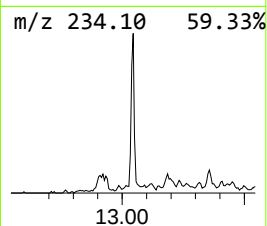
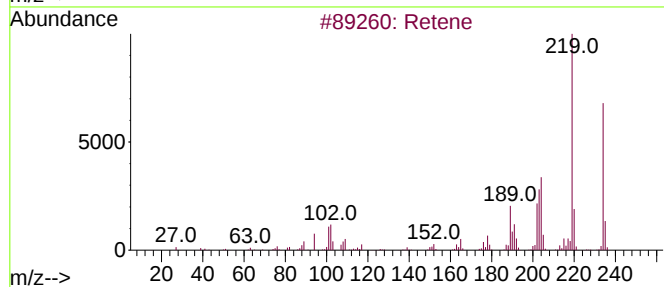
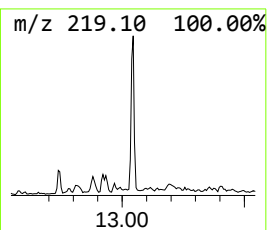
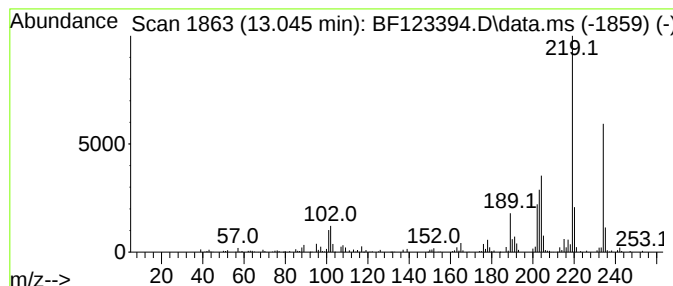
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Retene Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.045 | 3.46 ng | 294717 | Chrysene-d12     | 13.962 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Retene                              | 234 | C18H18   | 000483-65-8  | 96   |
| 2    |    |   | 2-Isopropyl-10-methylphenanthrene   | 234 | C18H18   | 066552-97-4  | 94   |
| 3    |    |   | Phenanthrene, 2,4,5,7-tetramethyl-  | 234 | C18H18   | 007396-38-5  | 58   |
| 4    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 234 | C16H26O  | 001518-53-2  | 52   |
| 5    |    |   | 2-[[1-(4-Methylphenyl)ethylidene... | 234 | C16H14N2 | 1000326-46-0 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

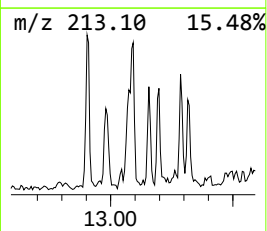
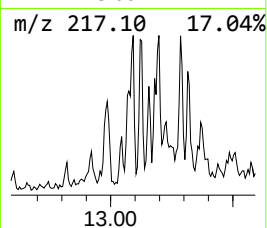
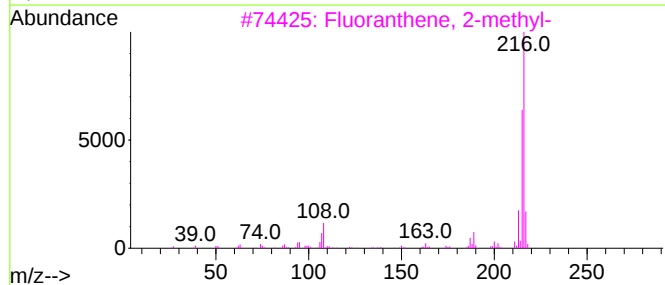
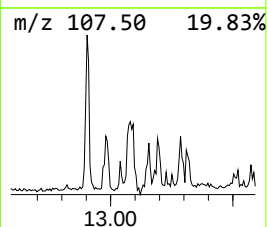
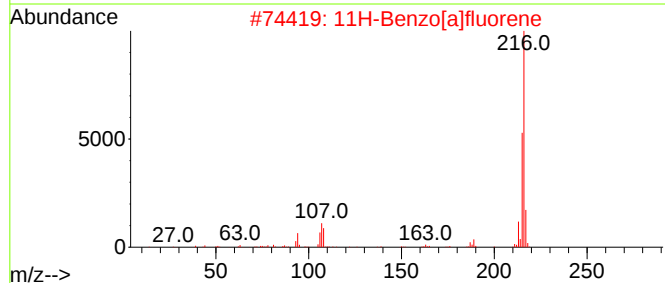
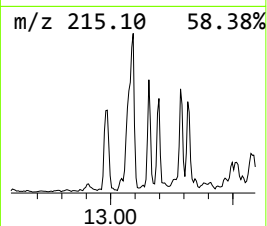
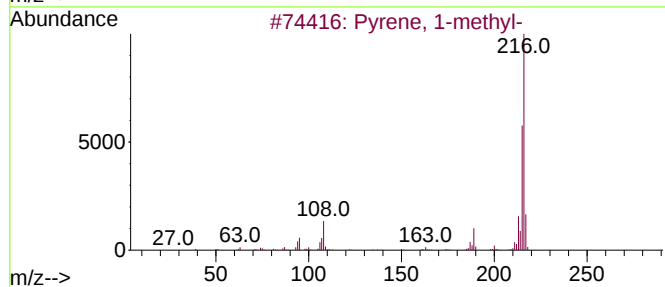
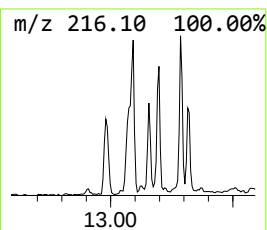
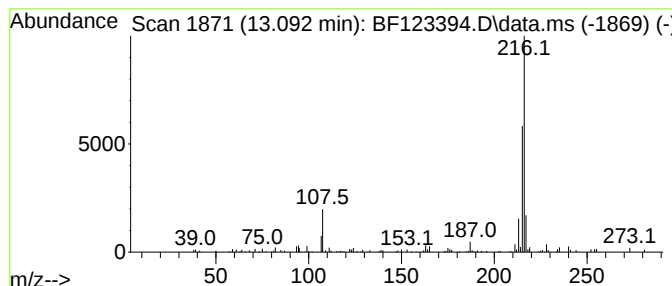
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Pyrene, 1-methyl- Concentration Rank 15

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.092 | 2.02 ng | 172063 | Chrysene-d12     | 13.962 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|------|-------------------------------------|-----|-----------|-------------|------|
| 1    |      | Pyrene, 1-methyl-                   | 216 | C17H12    | 002381-21-7 | 83   |
| 2    |      | 11H-Benzo[a]fluorene                | 216 | C17H12    | 000238-84-6 | 80   |
| 3    |      | Fluoranthene, 2-methyl-             | 216 | C17H12    | 033543-31-6 | 68   |
| 4    |      | 1,3-Dihydro-5,6-dimethyl-1-(2-pr... | 216 | C12H12N2S | 080276-22-8 | 59   |
| 5    |      | Pyrene, 2-methyl-                   | 216 | C17H12    | 003442-78-2 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

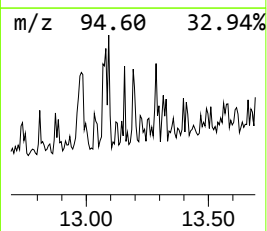
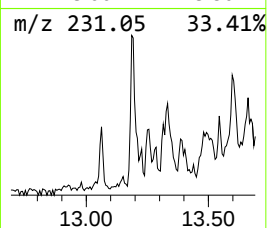
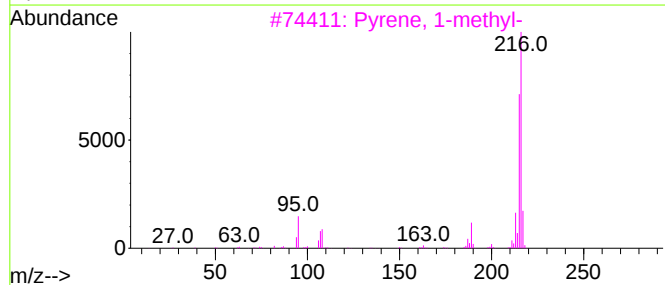
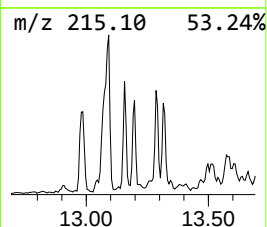
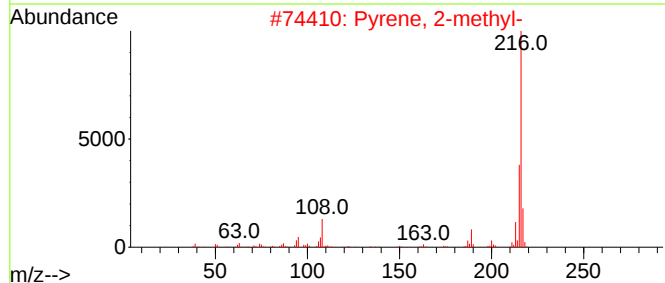
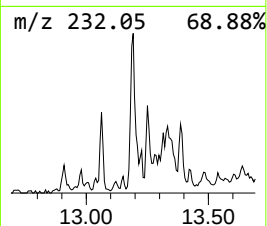
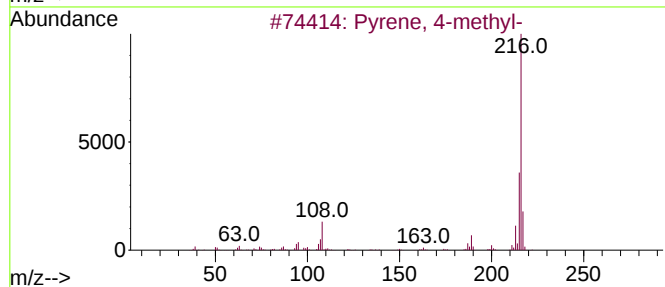
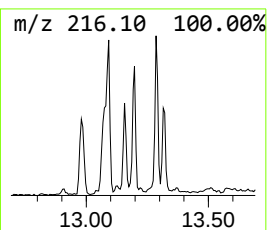
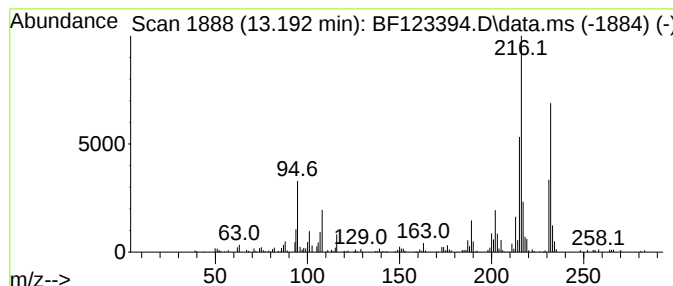
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Pyrene, 4-methyl- Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.192 | 3.03 ng | 258048 | Chrysene-d12     | 13.962 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|----------|-------------|------|------|
| 1    | Pyrene, 4-methyl-                   | 216          | C17H12   | 003353-12-6 | 90   |      |
| 2    | Pyrene, 2-methyl-                   | 216          | C17H12   | 003442-78-2 | 86   |      |
| 3    | Pyrene, 1-methyl-                   | 216          | C17H12   | 002381-21-7 | 86   |      |
| 4    | 11H-Benzo[a]fluorene                | 216          | C17H12   | 000238-84-6 | 50   |      |
| 5    | 1,3,5-Triazine-2,4,6-triamine, N... | 216          | C10H12N6 | 046731-79-7 | 35   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

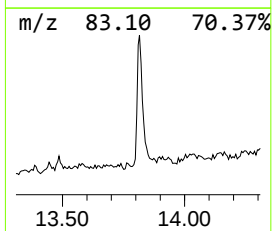
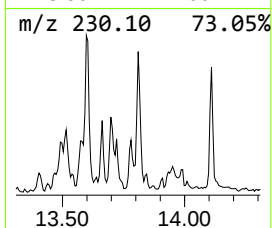
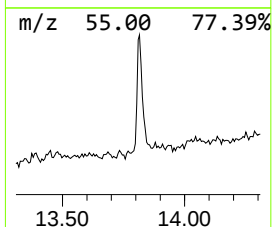
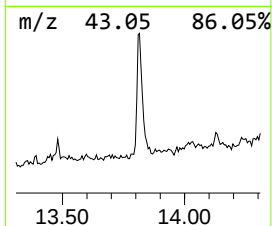
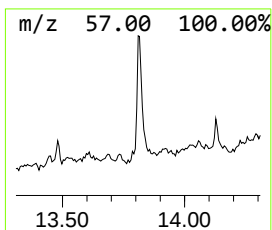
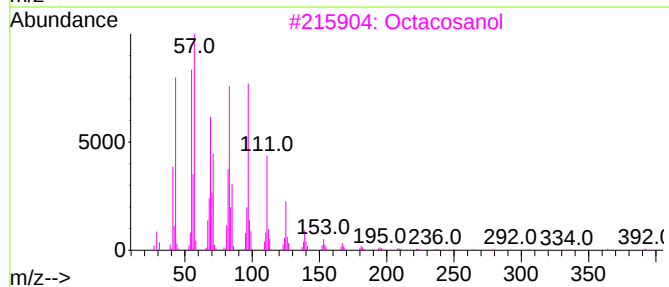
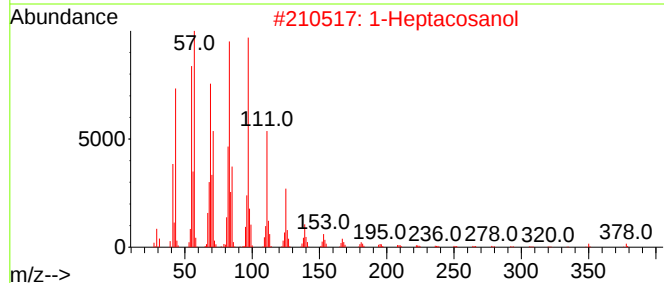
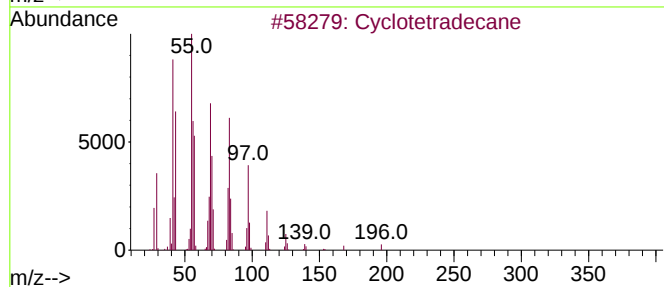
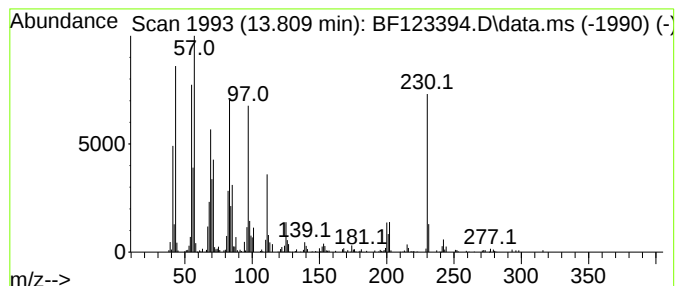
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 Cyclotetradecane Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.810 | 7.51 ng | 638613 | Chrysene-d12     | 13.962 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Cyclotetradecane                    | 196 | C14H28      | 000295-17-0  | 94   |
| 2    |    |   | 1-Heptacosanol                      | 396 | C27H56O     | 002004-39-9  | 76   |
| 3    |    |   | Octacosanol                         | 410 | C28H58O     | 000557-61-9  | 76   |
| 4    |    |   | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 76   |
| 5    |    |   | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5  | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
TP-6A

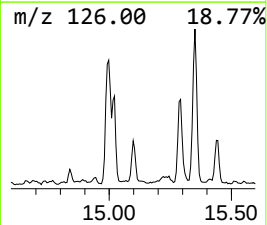
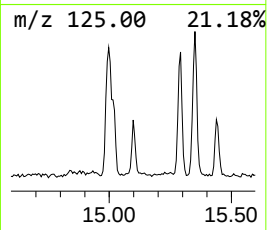
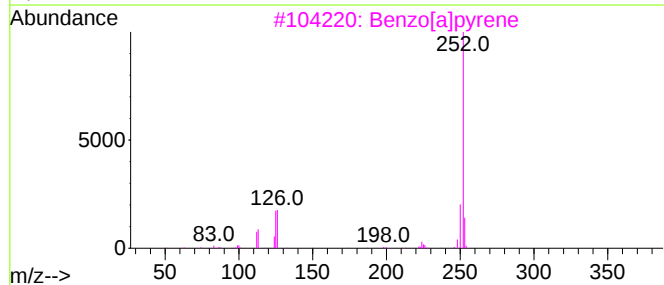
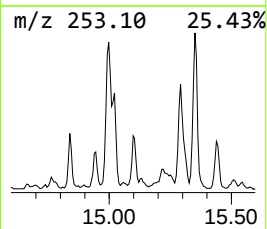
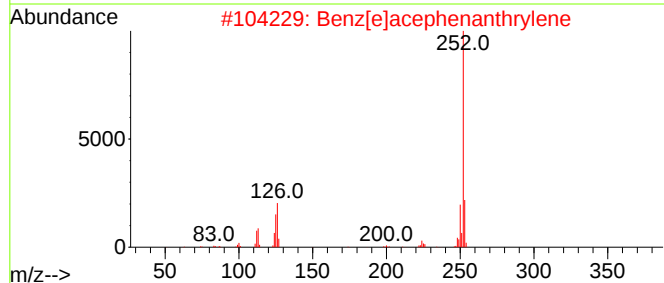
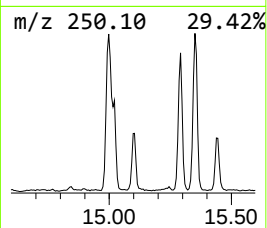
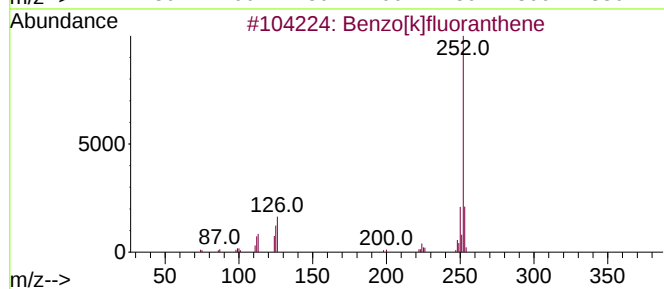
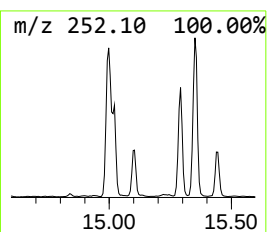
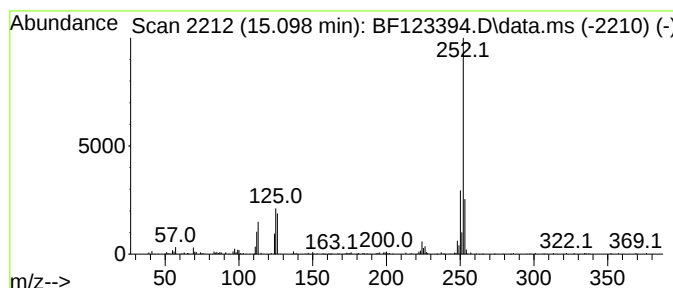
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 Benzo[e]pyrene Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.098 | 6.50 ng | 244948 | Perylene-d12     | 15.415 |

| Hit# | of 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------|-----|---------|-------------|------|
| 1    |      | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 98   |
| 2    |      | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 96   |
| 3    |      | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 96   |
| 4    |      | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 93   |
| 5    |      | Benzo[j]fluoranthene     | 252 | C20H12  | 000205-82-3 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
Data File : BF123394.D  
Acq On : 18 Mar 2021 20:59  
Operator : JU/CG  
Sample : M1713-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6A

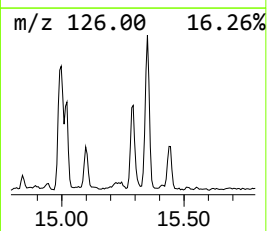
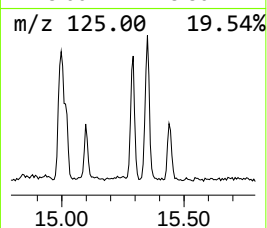
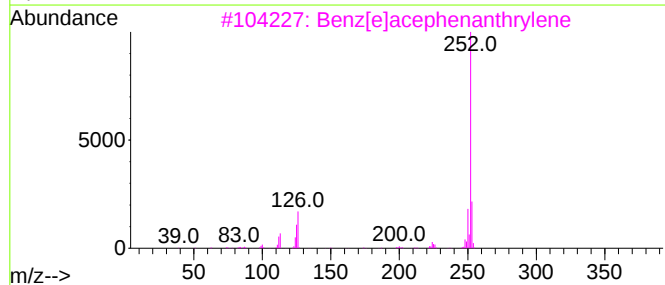
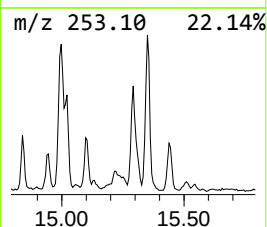
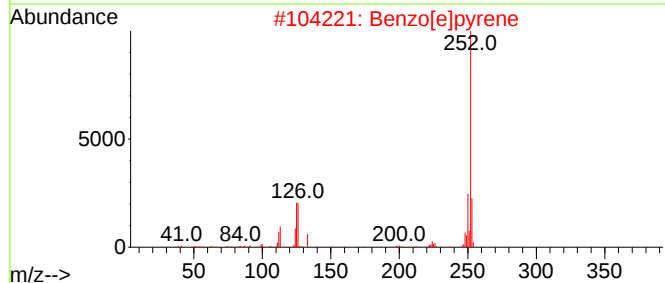
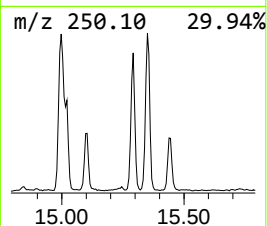
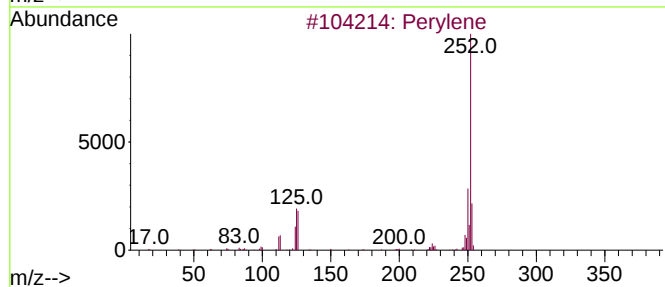
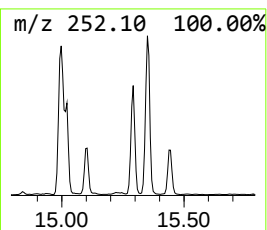
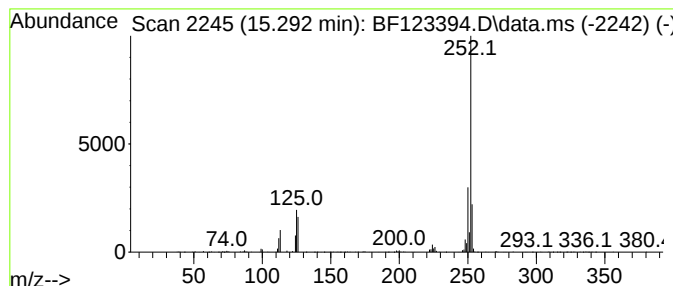
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 15 Perylene Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.292 | 17.85 ng | 673227 | Perylene-d12     | 15.415 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Perylene                 | 252 | C20H12  | 000198-55-0 | 99   |
| 2    |    |   | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 98   |
| 3    |    |   | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 96   |
| 4    |    |   | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 96   |
| 5    |    |   | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031821\  
 Data File : BF123394.D  
 Acq On : 18 Mar 2021 20:59  
 Operator : JU/CG  
 Sample : M1713-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031721.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 |
| Hexadecane, 2,6... | 10.745 | 2.7     | ng    | 193302   | 4                     | 11.316 | 1444020 | 20.0 |
| Tetradecanoic acid | 11.851 | 8.3     | ng    | 599840   | 4                     | 11.316 | 1444020 | 20.0 |
| Anthracene, 2-m... | 11.898 | 2.7     | ng    | 194670   | 4                     | 11.316 | 1444020 | 20.0 |
| 4H-Cyclopenta[d... | 11.933 | 4.6     | ng    | 330121   | 4                     | 11.316 | 1444020 | 20.0 |
| unknown12.098      | 12.098 | 2.9     | ng    | 207342   | 4                     | 11.316 | 1444020 | 20.0 |
| unknown12.262      | 12.262 | 3.3     | ng    | 239862   | 4                     | 11.316 | 1444020 | 20.0 |
| unknown12.292      | 12.292 | 3.8     | ng    | 271657   | 4                     | 11.316 | 1444020 | 20.0 |
| Octadecanoic acid  | 12.633 | 3.9     | ng    | 283048   | 4                     | 11.316 | 1444020 | 20.0 |
| 11H-Benzo[a]flu... | 12.980 | 2.5     | ng    | 210922   | 5                     | 13.962 | 1701620 | 20.0 |
| Retene             | 13.045 | 3.5     | ng    | 294717   | 5                     | 13.962 | 1701620 | 20.0 |
| Pyrene, 1-methyl-  | 13.092 | 2.0     | ng    | 172063   | 5                     | 13.962 | 1701620 | 20.0 |
| Pyrene, 4-methyl-  | 13.192 | 3.0     | ng    | 258048   | 5                     | 13.962 | 1701620 | 20.0 |
| Cyclotetradecane   | 13.810 | 7.5     | ng    | 638613   | 5                     | 13.962 | 1701620 | 20.0 |
| Benzo[e]pyrene     | 15.098 | 6.5     | ng    | 244948   | 6                     | 15.415 | 754199  | 20.0 |
| Perylene           | 15.292 | 17.9    | ng    | 673227   | 6                     | 15.415 | 754199  | 20.0 |