

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
 Data File : BF131980.D  
 Acq On : 10 Jan 2023 00:13  
 Operator : CG\JU  
 Sample : N6243-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-5

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-BF010923.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131980.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         | 2.369       | 33            | 48          | 57           | rVB      | 499090         | 724910        | 38.74%          | 2.823%        |
| 2         | 4.987       | 488           | 493         | 503          | rVB      | 495301         | 629465        | 33.64%          | 2.451%        |
| 3         | 5.398       | 559           | 563         | 576          | rVB      | 1487660        | 1417094       | 75.73%          | 5.519%        |
| 4         | 6.428       | 733           | 738         | 741          | rBV      | 1547636        | 1431229       | 76.48%          | 5.574%        |
| 5         | 6.781       | 795           | 798         | 802          | rBV      | 494638         | 410041        | 21.91%          | 1.597%        |
| 6         | 7.357       | 891           | 896         | 899          | rBV      | 1111458        | 1013025       | 54.13%          | 3.945%        |
| 7         | 8.075       | 1012          | 1018        | 1020         | rBV      | 585573         | 514766        | 27.51%          | 2.005%        |
| 8         | 8.786       | 1136          | 1139        | 1142         | rVB      | 31756          | 25228         | 1.35%           | 0.098%        |
| 9         | 8.886       | 1152          | 1156        | 1160         | rBV      | 48575          | 37940         | 2.03%           | 0.148%        |
| 10        | 9.151       | 1196          | 1201        | 1204         | rBV      | 2066535        | 1871296       | 100.00%         | 7.287%        |
| 11        | 9.422       | 1242          | 1247        | 1250         | rBV2     | 19816          | 26637         | 1.42%           | 0.104%        |
| 12        | 9.492       | 1255          | 1259        | 1261         | rBV      | 56723          | 58240         | 3.11%           | 0.227%        |
| 13        | 9.610       | 1275          | 1279        | 1280         | rBV      | 35657          | 30495         | 1.63%           | 0.119%        |
| 14        | 9.692       | 1290          | 1293        | 1297         | rVB      | 59588          | 46300         | 2.47%           | 0.180%        |
| 15        | 9.833       | 1311          | 1317        | 1320         | rBV      | 717125         | 580793        | 31.04%          | 2.262%        |
| 16        | 9.863       | 1320          | 1322        | 1325         | rVB      | 114674         | 92023         | 4.92%           | 0.358%        |
| 17        | 9.933       | 1331          | 1334        | 1339         | rBV3     | 16497          | 23830         | 1.27%           | 0.093%        |
| 18        | 9.992       | 1339          | 1344        | 1346         | rVV2     | 26675          | 33961         | 1.81%           | 0.132%        |
| 19        | 10.033      | 1346          | 1351        | 1355         | rVV2     | 57484          | 62390         | 3.33%           | 0.243%        |
| 20        | 10.075      | 1355          | 1358        | 1362         | rVV      | 34352          | 27804         | 1.49%           | 0.108%        |
| 21        | 10.151      | 1367          | 1371        | 1373         | rBV      | 35592          | 35937         | 1.92%           | 0.140%        |
| 22        | 10.239      | 1382          | 1386        | 1388         | rBV      | 33391          | 42730         | 2.28%           | 0.166%        |
| 23        | 10.380      | 1406          | 1410        | 1415         | rVB      | 113791         | 103080        | 5.51%           | 0.401%        |
| 24        | 10.433      | 1415          | 1419        | 1420         | rBV2     | 24025          | 26685         | 1.43%           | 0.104%        |
| 25        | 10.551      | 1434          | 1439        | 1442         | rVB      | 498937         | 422393        | 22.57%          | 1.645%        |
| 26        | 10.627      | 1448          | 1452        | 1455         | rBV      | 1100386        | 913809        | 48.83%          | 3.559%        |
| 27        | 10.739      | 1467          | 1471        | 1479         | rVB3     | 108687         | 140925        | 7.53%           | 0.549%        |
| 28        | 10.933      | 1497          | 1504        | 1506         | rBV4     | 47255          | 79971         | 4.27%           | 0.311%        |
| 29        | 10.957      | 1506          | 1508        | 1511         | rVB2     | 38346          | 35716         | 1.91%           | 0.139%        |
| 30        | 11.057      | 1520          | 1525        | 1527         | rBV3     | 36831          | 53037         | 2.83%           | 0.207%        |
| 31        | 11.080      | 1527          | 1529        | 1533         | rVV2     | 39044          | 41675         | 2.23%           | 0.162%        |
| 32        | 11.133      | 1535          | 1538        | 1541         | rVV      | 54523          | 53912         | 2.88%           | 0.210%        |
| 33        | 11.180      | 1541          | 1546        | 1550         | rVV2     | 51326          | 84443         | 4.51%           | 0.329%        |
| 34        | 11.222      | 1550          | 1553        | 1557         | rVB      | 70870          | 71213         | 3.81%           | 0.277%        |
| 35        | 11.327      | 1567          | 1571        | 1573         | rBV      | 555562         | 542283        | 28.98%          | 2.112%        |
| 36        | 11.351      | 1573          | 1575        | 1578         | rVV      | 1187629        | 863886        | 46.17%          | 3.364%        |

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 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-5

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-BF010923.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.398 | 1578 | 1583 | 1586 | rVV  | 221414  | 203461  | 10.87% | 0.792% |
| 38 | 11.433 | 1586 | 1589 | 1592 | rVV2 | 31114   | 37669   | 2.01%  | 0.147% |
| 39 | 11.563 | 1606 | 1611 | 1617 | rBV2 | 75801   | 114090  | 6.10%  | 0.444% |
| 40 | 11.621 | 1617 | 1621 | 1624 | rVV2 | 49576   | 59657   | 3.19%  | 0.232% |
| 41 | 11.657 | 1624 | 1627 | 1632 | rVB3 | 53870   | 62631   | 3.35%  | 0.244% |
| 42 | 11.827 | 1653 | 1656 | 1658 | rVV  | 228693  | 195795  | 10.46% | 0.762% |
| 43 | 11.857 | 1658 | 1661 | 1665 | rVB  | 334035  | 270667  | 14.46% | 1.054% |
| 44 | 11.904 | 1665 | 1669 | 1672 | rBV  | 117869  | 111492  | 5.96%  | 0.434% |
| 45 | 11.939 | 1672 | 1675 | 1677 | rVV  | 320285  | 325645  | 17.40% | 1.268% |
| 46 | 11.963 | 1677 | 1679 | 1682 | rVB  | 178724  | 141563  | 7.56%  | 0.551% |
| 47 | 12.016 | 1685 | 1688 | 1690 | rBV3 | 31234   | 36910   | 1.97%  | 0.144% |
| 48 | 12.127 | 1704 | 1707 | 1709 | rBV  | 100479  | 91012   | 4.86%  | 0.354% |
| 49 | 12.157 | 1709 | 1712 | 1715 | rVB2 | 99311   | 89852   | 4.80%  | 0.350% |
| 50 | 12.274 | 1730 | 1732 | 1735 | rVB  | 55293   | 38728   | 2.07%  | 0.151% |
| 51 | 12.304 | 1735 | 1737 | 1739 | rVB  | 61711   | 43809   | 2.34%  | 0.171% |
| 52 | 12.327 | 1739 | 1741 | 1744 | rVB2 | 52909   | 45617   | 2.44%  | 0.178% |
| 53 | 12.380 | 1746 | 1750 | 1752 | rBV  | 160239  | 164790  | 8.81%  | 0.642% |
| 54 | 12.416 | 1752 | 1756 | 1758 | rVV3 | 104624  | 126517  | 6.76%  | 0.493% |
| 55 | 12.439 | 1758 | 1760 | 1762 | rVB  | 35893   | 26870   | 1.44%  | 0.105% |
| 56 | 12.468 | 1762 | 1765 | 1769 | rBV3 | 96266   | 109017  | 5.83%  | 0.425% |
| 57 | 12.545 | 1774 | 1778 | 1781 | rBV  | 1389561 | 1182373 | 63.18% | 4.604% |
| 58 | 12.586 | 1783 | 1785 | 1787 | rVV  | 28415   | 25408   | 1.36%  | 0.099% |
| 59 | 12.610 | 1787 | 1789 | 1792 | rVB2 | 36013   | 30407   | 1.62%  | 0.118% |
| 60 | 12.721 | 1806 | 1808 | 1811 | rVB4 | 27891   | 24518   | 1.31%  | 0.095% |
| 61 | 12.774 | 1811 | 1817 | 1823 | rBV  | 1167877 | 1351694 | 72.23% | 5.264% |
| 62 | 12.821 | 1823 | 1825 | 1830 | rVB2 | 84843   | 97396   | 5.20%  | 0.379% |
| 63 | 12.892 | 1834 | 1837 | 1838 | rBV2 | 66410   | 55846   | 2.98%  | 0.217% |
| 64 | 12.916 | 1838 | 1841 | 1844 | rBV  | 1412373 | 1141290 | 60.99% | 4.445% |
| 65 | 12.992 | 1849 | 1854 | 1858 | rBV2 | 108884  | 198433  | 10.60% | 0.773% |
| 66 | 13.080 | 1865 | 1869 | 1870 | rBV3 | 93086   | 107155  | 5.73%  | 0.417% |
| 67 | 13.104 | 1870 | 1873 | 1876 | rVB  | 208238  | 191910  | 10.26% | 0.747% |
| 68 | 13.168 | 1881 | 1884 | 1886 | rBV  | 138774  | 100499  | 5.37%  | 0.391% |
| 69 | 13.204 | 1886 | 1890 | 1893 | rBV2 | 163019  | 172842  | 9.24%  | 0.673% |
| 70 | 13.263 | 1898 | 1900 | 1903 | rVB2 | 31083   | 28479   | 1.52%  | 0.111% |
| 71 | 13.298 | 1903 | 1906 | 1909 | rBV  | 106901  | 90659   | 4.84%  | 0.353% |
| 72 | 13.327 | 1909 | 1911 | 1914 | rBV  | 104385  | 95191   | 5.09%  | 0.371% |
| 73 | 13.527 | 1943 | 1945 | 1948 | rVB  | 43515   | 35683   | 1.91%  | 0.139% |
| 74 | 13.586 | 1953 | 1955 | 1957 | rBV  | 32306   | 31187   | 1.67%  | 0.121% |
| 75 | 13.615 | 1957 | 1960 | 1964 | rVB  | 104759  | 105581  | 5.64%  | 0.411% |
| 76 | 13.721 | 1975 | 1978 | 1981 | rBV2 | 101013  | 110221  | 5.89%  | 0.429% |

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Instrument :  
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 ClientSampleId :  
 PE-5

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-BF010923.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 13.751 | 1981 | 1983 | 1985 | rVV  | 110553 | 84189   | 4.50%  | 0.328% |
| 78  | 13.774 | 1985 | 1987 | 1989 | rVV  | 71889  | 70140   | 3.75%  | 0.273% |
| 79  | 13.821 | 1991 | 1995 | 1999 | rVB3 | 181140 | 255997  | 13.68% | 0.997% |
| 80  | 13.968 | 2016 | 2020 | 2024 | rBV2 | 717649 | 1077722 | 57.59% | 4.197% |
| 81  | 14.004 | 2024 | 2026 | 2034 | rVB  | 650452 | 574265  | 30.69% | 2.236% |
| 82  | 14.080 | 2037 | 2039 | 2041 | rVB  | 78689  | 55036   | 2.94%  | 0.214% |
| 83  | 14.210 | 2059 | 2061 | 2063 | rVB  | 55924  | 40103   | 2.14%  | 0.156% |
| 84  | 14.292 | 2073 | 2075 | 2078 | rBV2 | 32106  | 36876   | 1.97%  | 0.144% |
| 85  | 14.327 | 2078 | 2081 | 2083 | rVV2 | 58584  | 61706   | 3.30%  | 0.240% |
| 86  | 14.362 | 2085 | 2087 | 2090 | rVV  | 182405 | 171525  | 9.17%  | 0.668% |
| 87  | 14.398 | 2090 | 2093 | 2097 | rVB  | 91531  | 96336   | 5.15%  | 0.375% |
| 88  | 14.492 | 2106 | 2109 | 2110 | rBV  | 62263  | 59676   | 3.19%  | 0.232% |
| 89  | 14.510 | 2110 | 2112 | 2115 | rVB2 | 61320  | 47517   | 2.54%  | 0.185% |
| 90  | 14.680 | 2138 | 2141 | 2143 | rBV3 | 42300  | 42919   | 2.29%  | 0.167% |
| 91  | 15.021 | 2194 | 2199 | 2201 | rBV  | 516482 | 724653  | 38.72% | 2.822% |
| 92  | 15.127 | 2213 | 2217 | 2220 | rVB  | 99374  | 107268  | 5.73%  | 0.418% |
| 93  | 15.321 | 2246 | 2250 | 2255 | rVB  | 289940 | 382963  | 20.47% | 1.491% |
| 94  | 15.380 | 2256 | 2260 | 2266 | rVB  | 458454 | 558467  | 29.84% | 2.175% |
| 95  | 15.445 | 2266 | 2271 | 2274 | rBV  | 303839 | 393595  | 21.03% | 1.533% |
| 96  | 15.474 | 2274 | 2276 | 2283 | rVB2 | 116998 | 159387  | 8.52%  | 0.621% |
| 97  | 16.904 | 2513 | 2519 | 2525 | rVB2 | 142056 | 268183  | 14.33% | 1.044% |
| 98  | 17.074 | 2544 | 2548 | 2553 | rBV  | 39338  | 64523   | 3.45%  | 0.251% |
| 99  | 17.339 | 2587 | 2593 | 2602 | rBV  | 112588 | 231851  | 12.39% | 0.903% |
| 100 | 17.580 | 2631 | 2634 | 2647 | rVB3 | 32886  | 72055   | 3.85%  | 0.281% |

Sum of corrected areas: 25678678



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

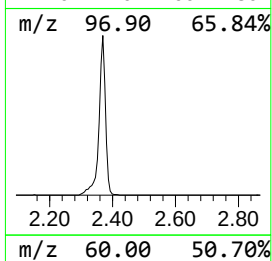
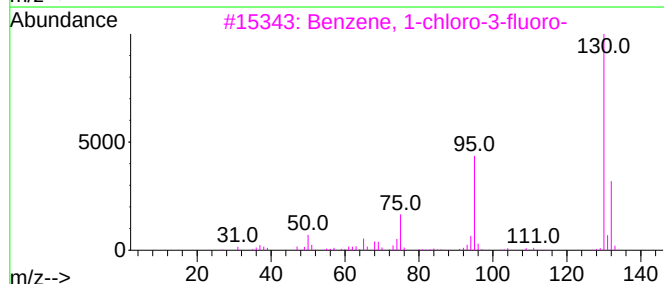
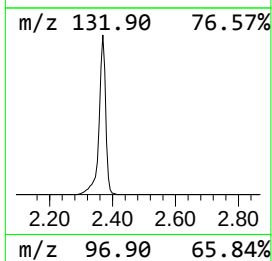
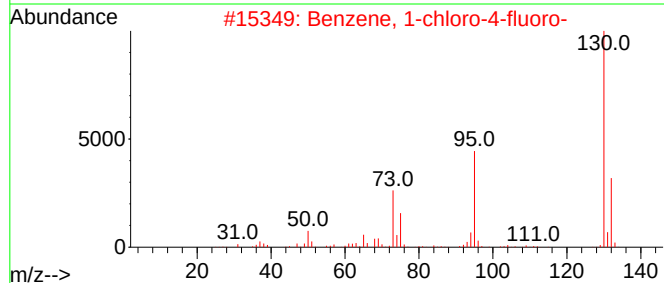
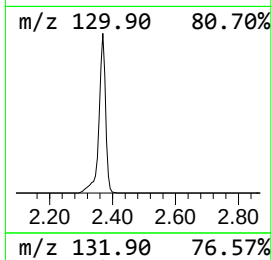
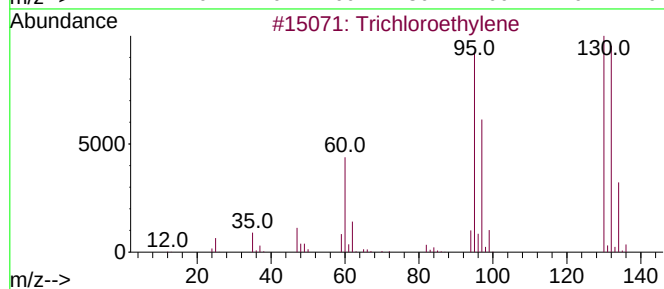
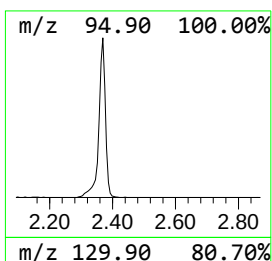
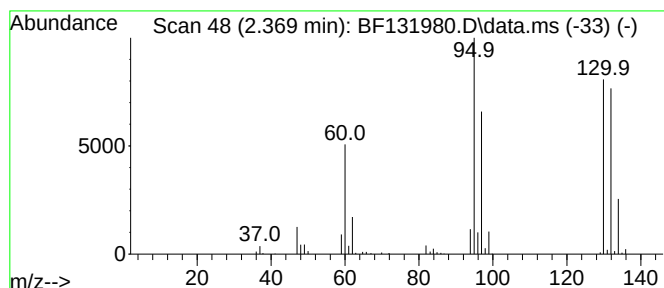
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Trichloroethylene Concentration Rank 1

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 2.369 | 35.36 ng | 724910 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-----------------------------|-----|-----------|-------------|------|
| 1    |    |   | Trichloroethylene           | 130 | C2HCl3    | 000079-01-6 | 98   |
| 2    |    |   | Benzene, 1-chloro-4-fluoro- | 130 | C6H4ClF   | 000352-33-0 | 35   |
| 3    |    |   | Benzene, 1-chloro-3-fluoro- | 130 | C6H4ClF   | 000625-98-9 | 25   |
| 4    |    |   | Benzene, 1-chloro-2-fluoro- | 130 | C6H4ClF   | 000348-51-6 | 25   |
| 5    |    |   | 2-Fluoro-5-chloropyrimidine | 132 | C4H2ClFN2 | 062802-37-3 | 25   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

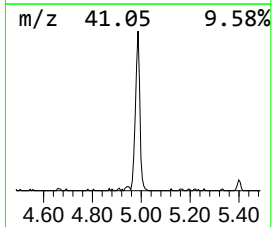
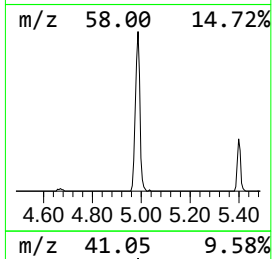
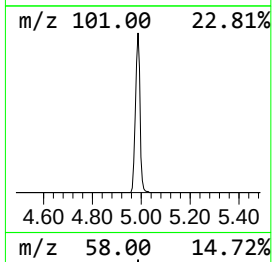
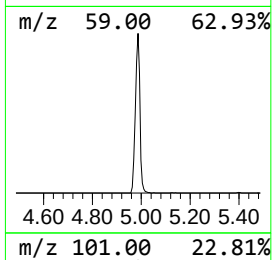
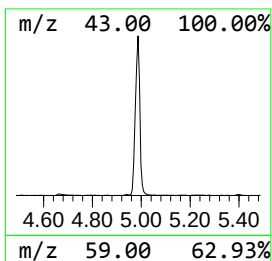
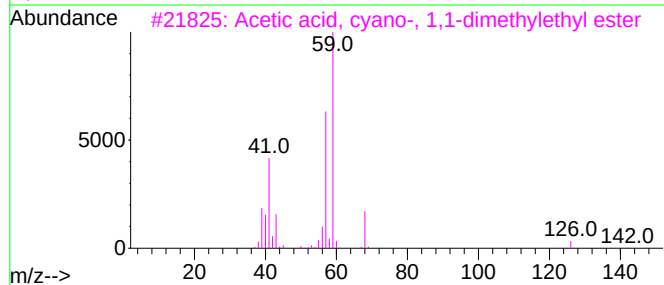
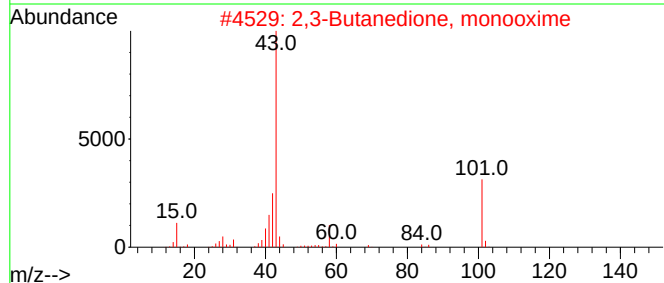
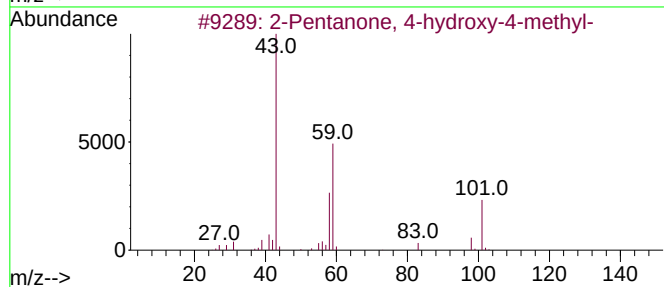
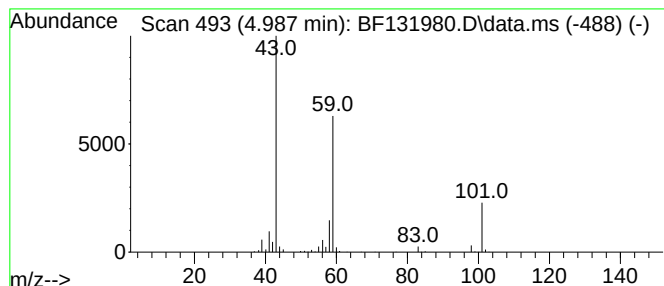
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 4.987 | 30.70 ng | 629465 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 72   |
| 2    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 25   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 4    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2   | 000108-22-5 | 10   |
| 5    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |



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PE-5

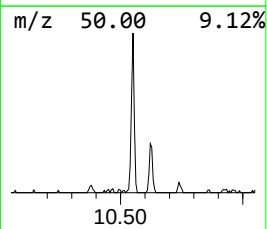
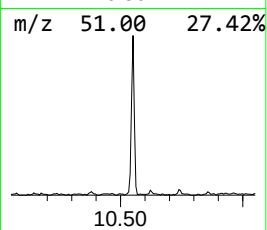
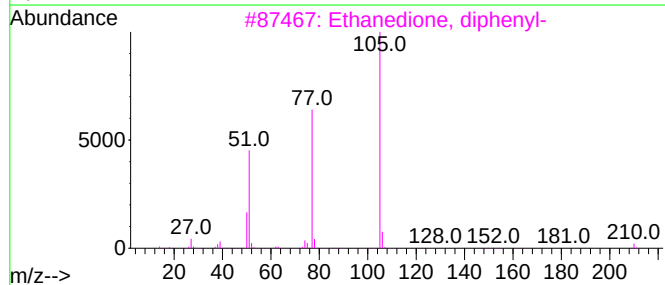
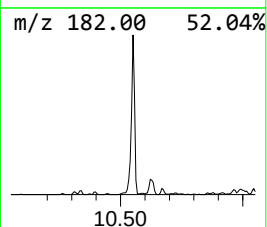
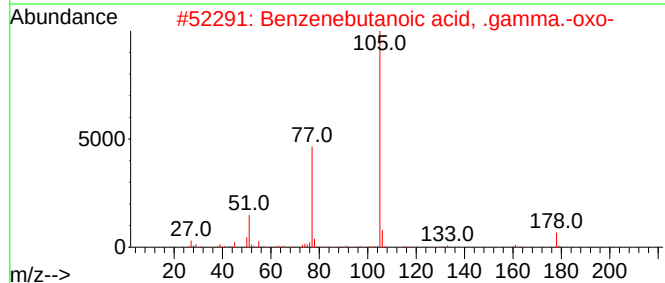
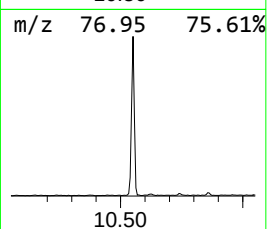
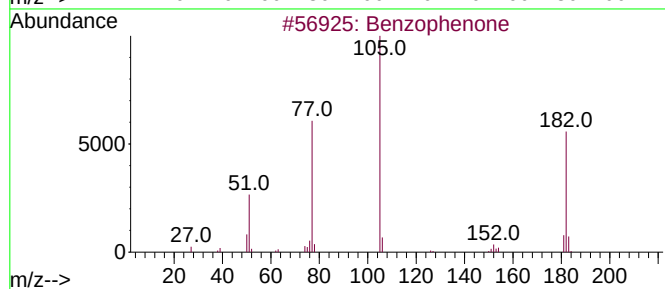
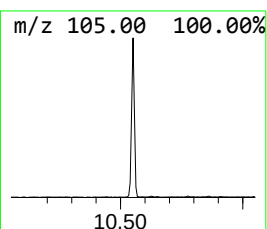
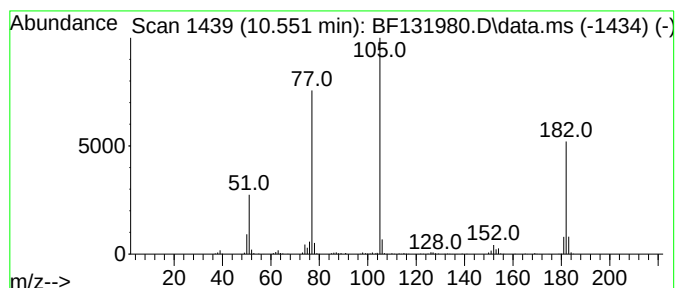
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Benzophenone Concentration Rank 4

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 10.551    | 14.55 ng                            | 422393 | Acenaphthene-d10 | 9.833       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Benzophenone                        | 182    | C13H10O          | 000119-61-9 | 96   |
| 2         | Benzenebutanoic acid, .gamma.-oxo-  | 178    | C10H10O3         | 002051-95-8 | 53   |
| 3         | Ethanedione, diphenyl-              | 210    | C14H10O2         | 000134-81-6 | 53   |
| 4         | 1-Butanone, 1-phenyl-               | 148    | C10H12O          | 000495-40-9 | 53   |
| 5         | 1,2,4-Triazine-3,5(2H,4H)-dione,... | 249    | C10H7N3O3S       | 024168-34-1 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

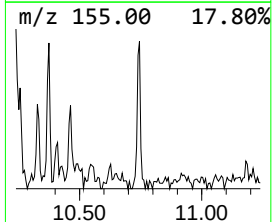
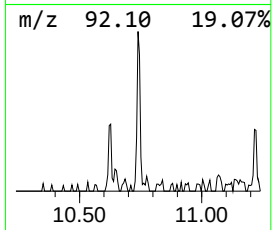
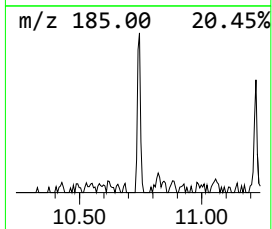
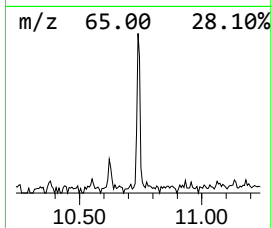
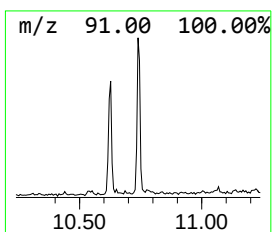
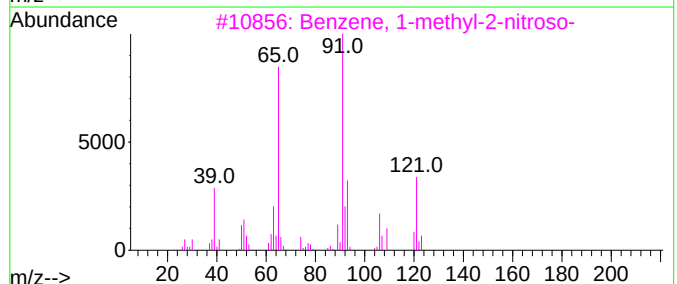
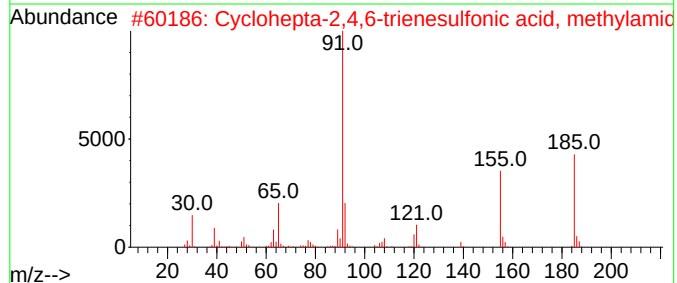
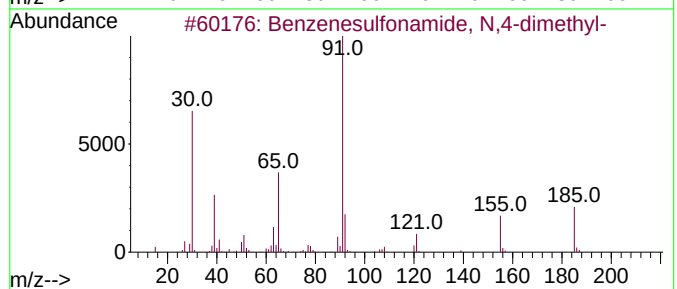
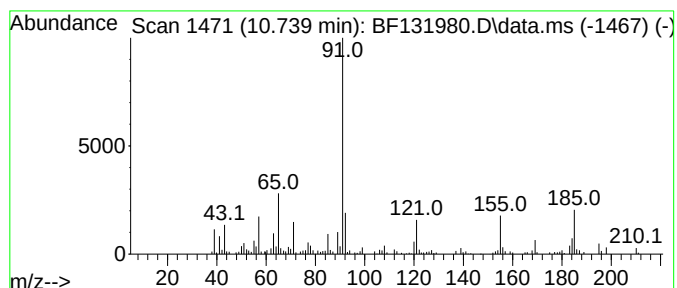
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Benzenesulfonamide, N,4-dim... Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 10.739    | 5.20 ng                             | 140925 | Phenanthrene-d10 | 11.327       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Benzenesulfonamide, N,4-dimethyl-   | 185    | C8H11NO2S        | 000640-61-9  | 95   |
| 2         | Cyclohepta-2,4,6-trienesulfonic ... | 185    | C8H11NO2S        | 1000187-28-7 | 70   |
| 3         | Benzene, 1-methyl-2-nitroso-        | 121    | C7H7NO           | 000611-23-4  | 60   |
| 4         | Benzene, 1-methyl-4-nitroso-        | 121    | C7H7NO           | 000623-11-0  | 43   |
| 5         | 2-Propanone, 1,3-diphenyl-          | 210    | C15H14O          | 000102-04-5  | 38   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

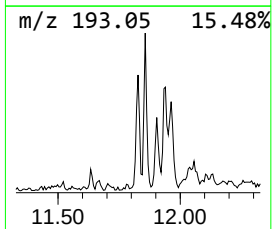
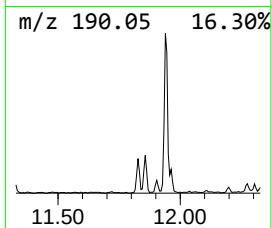
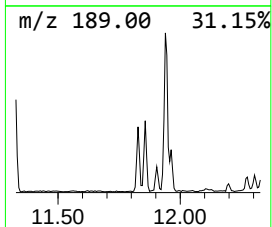
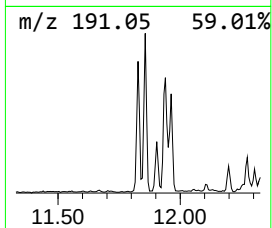
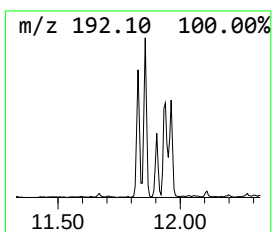
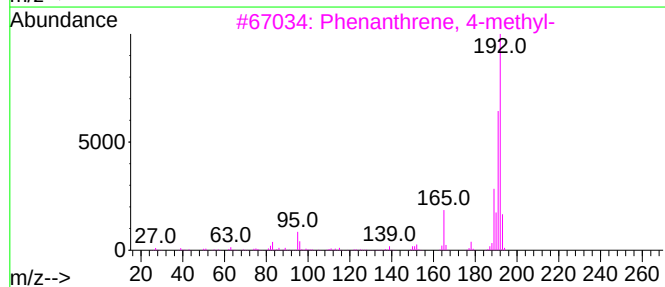
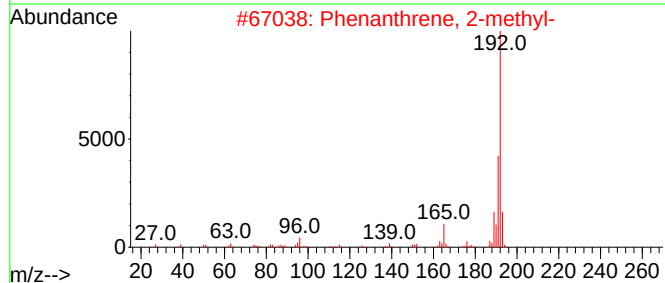
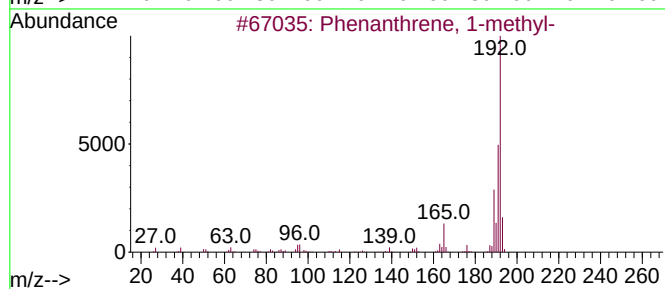
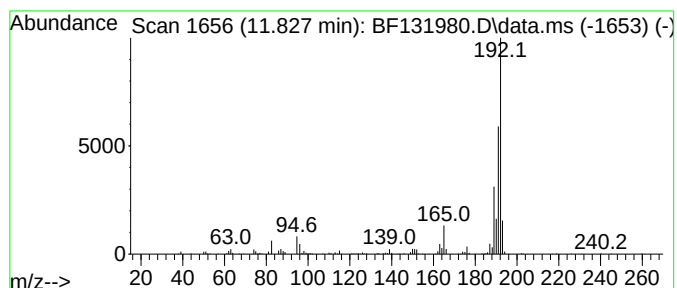
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.827 | 7.22 ng | 195795 | Phenanthrene-d10 | 11.327 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 97   |
| 2    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 3    |    |   | Phenanthrene, 4-methyl- | 192 | C15H12  | 000832-64-4 | 95   |
| 4    |    |   | 1H-Indene, 1-phenyl-    | 192 | C15H12  | 001961-96-2 | 94   |
| 5    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

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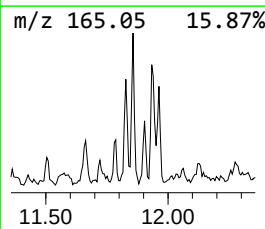
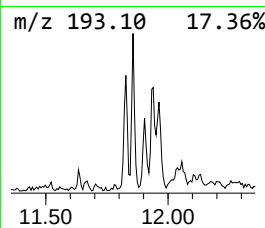
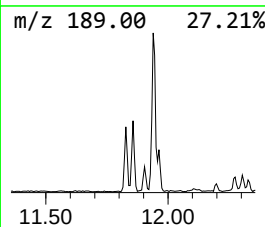
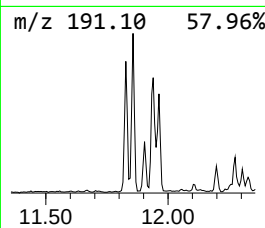
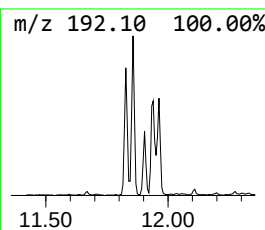
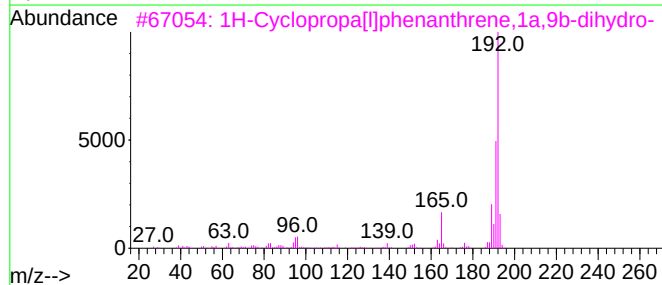
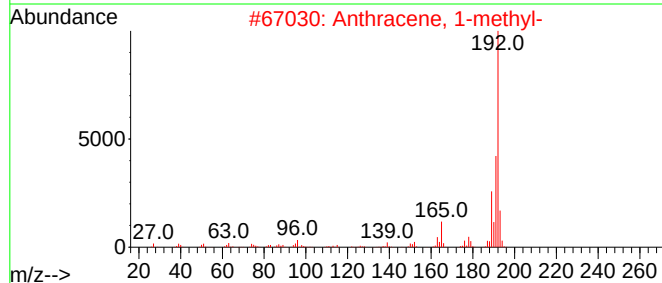
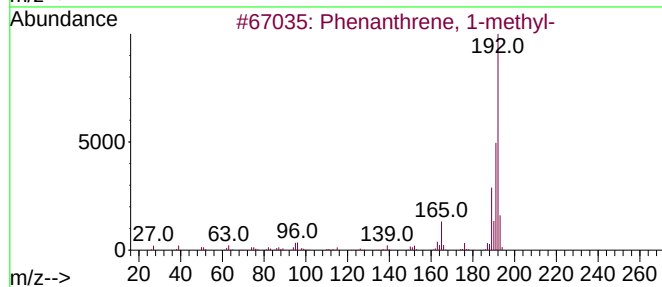
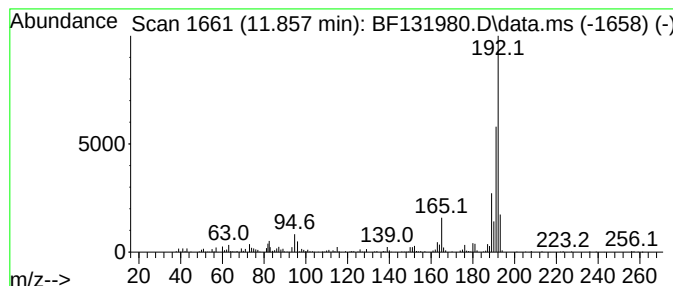
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Anthracene, 1-methyl- Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.857 | 9.98 ng | 270667 | Phenanthrene-d10 | 11.327 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 93   |
| 2    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 93   |
| 3    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 93   |
| 4    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 93   |
| 5    |    |   | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

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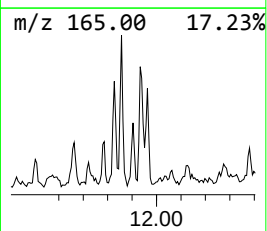
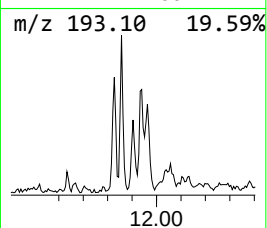
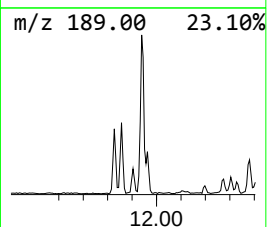
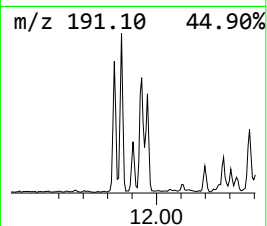
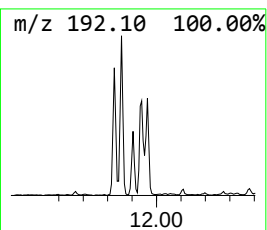
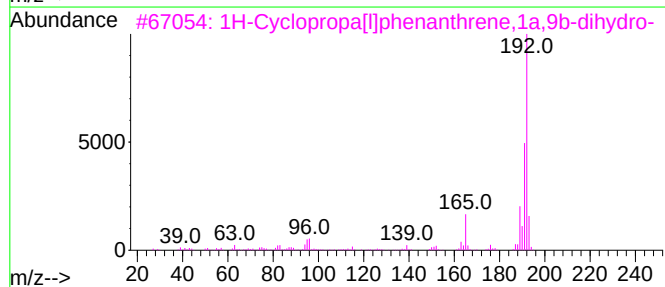
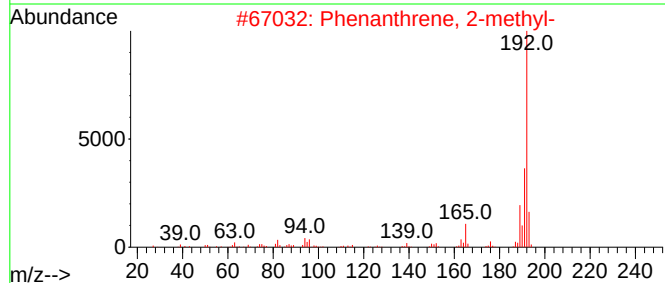
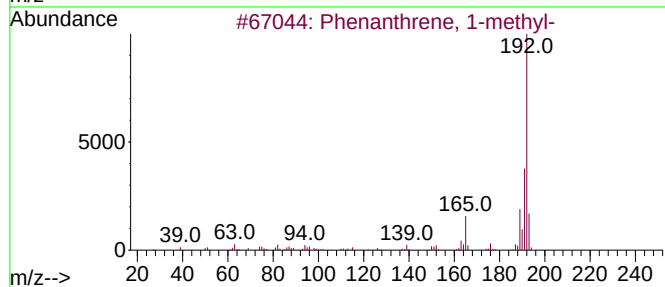
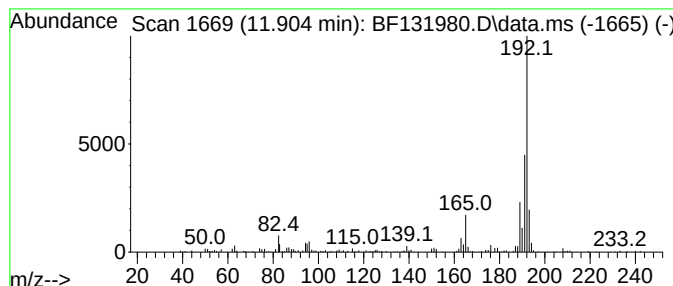
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.904 | 4.11 ng | 111492 | Phenanthrene-d10 | 11.327 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 95   |
| 2    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 95   |
| 3    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 93   |
| 4    |    |   | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 93   |
| 5    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

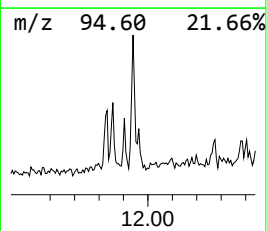
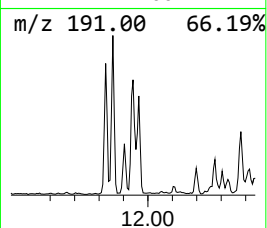
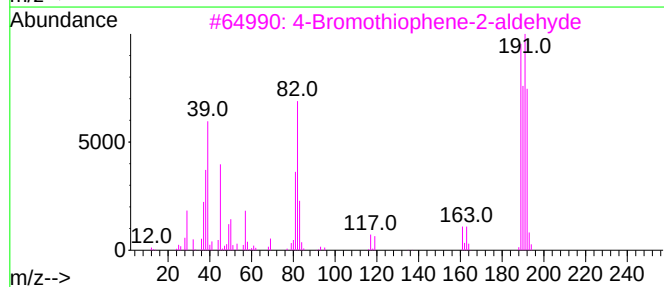
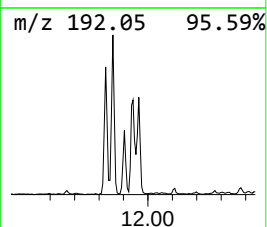
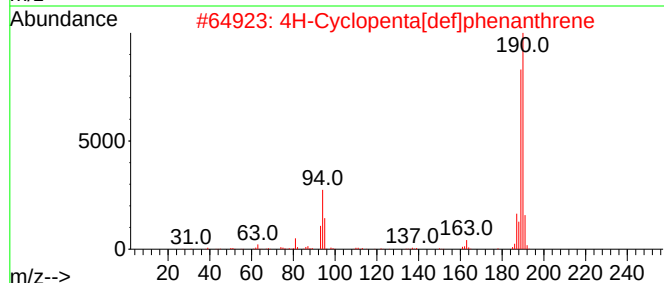
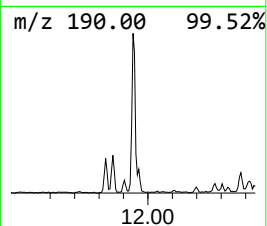
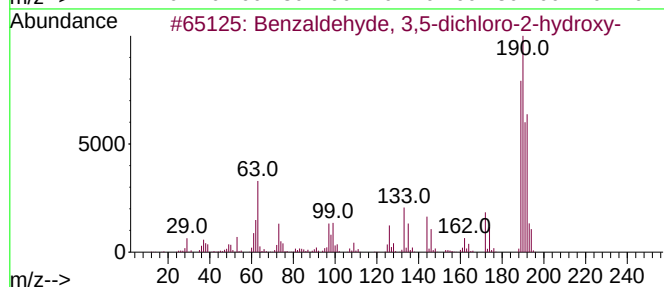
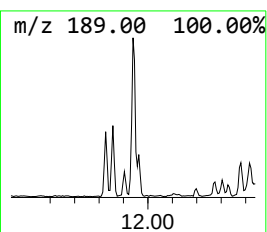
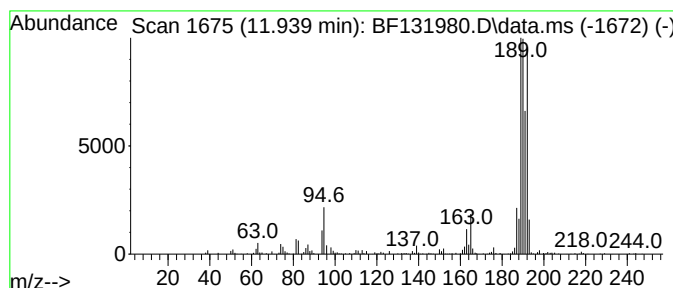
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD |           | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-----------|-------------|------|
| 11.939    | 12.01 ng                            | 325645 | Phenanthrene-d10 |           | 11.327      |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm   | CAS#        | Qual |
| 1         | Benzaldehyde, 3,5-dichloro-2-hyd... |        | 190              | C7H4Cl2O2 | 000090-60-8 | 64   |
| 2         | 4H-Cyclopenta[def]phenanthrene      |        | 190              | C15H10    | 000203-64-5 | 60   |
| 3         | 4-Bromothiophene-2-aldehyde         |        | 190              | C5H3BrOS  | 018791-75-8 | 58   |
| 4         | 6H-Cyclobuta[jk]phenanthrene        |        | 190              | C15H10    | 083469-43-6 | 49   |
| 5         | Phenanthrene, 1-methyl-             |        | 192              | C15H12    | 000832-69-9 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

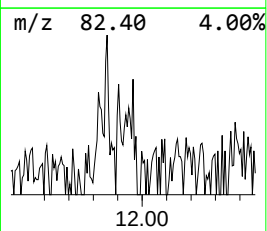
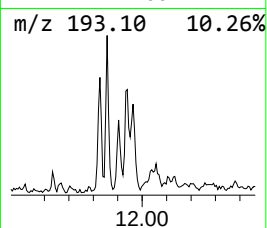
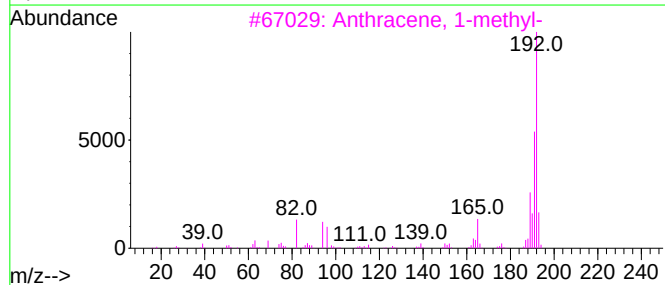
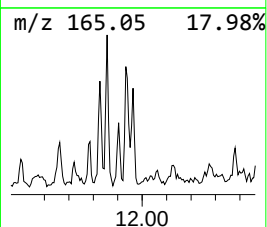
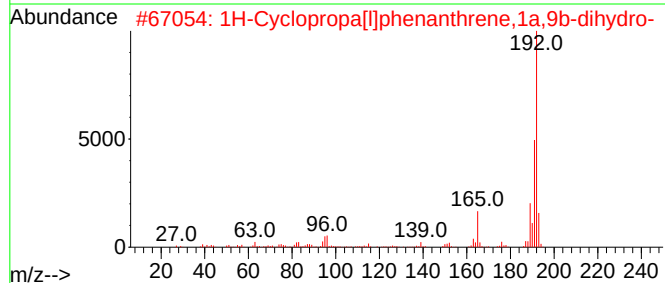
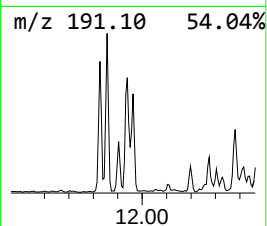
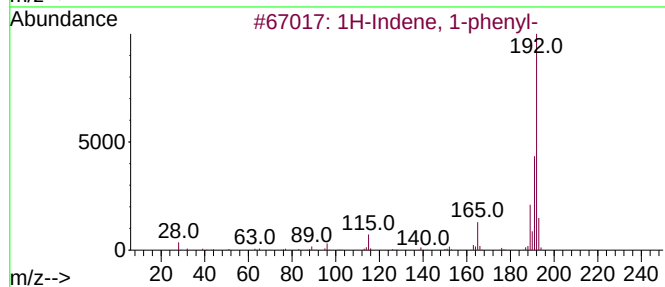
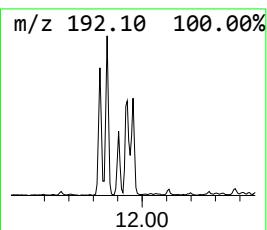
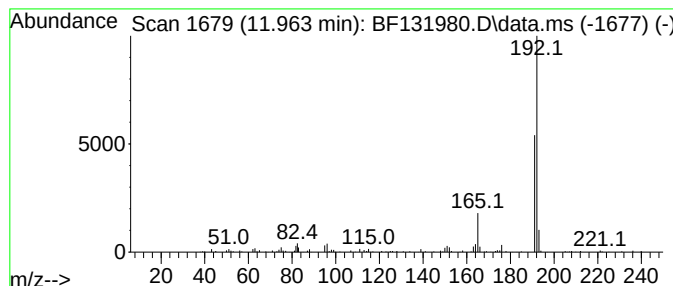
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 1H-Indene, 1-phenyl- Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.963 | 5.22 ng | 141563 | Phenanthrene-d10 | 11.327 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 1-phenyl-                | 192 | C15H12  | 001961-96-2 | 80   |
| 2    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 80   |
| 3    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 80   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 80   |
| 5    |    |   | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

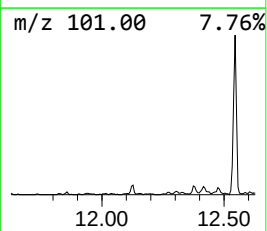
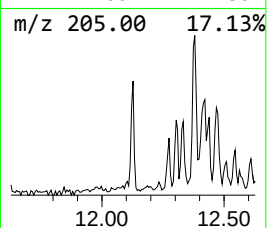
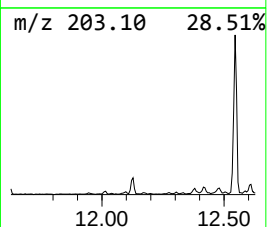
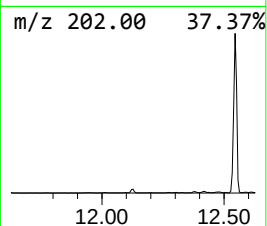
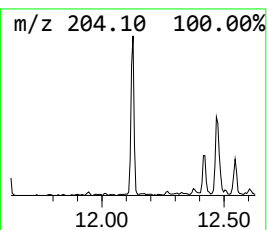
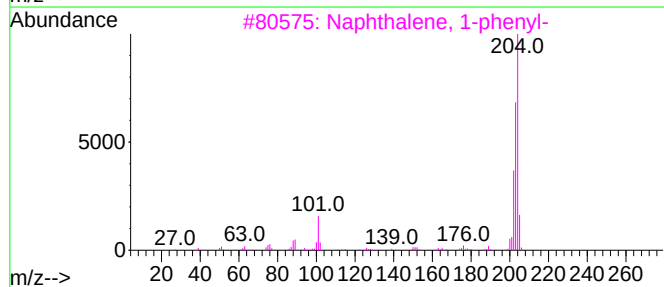
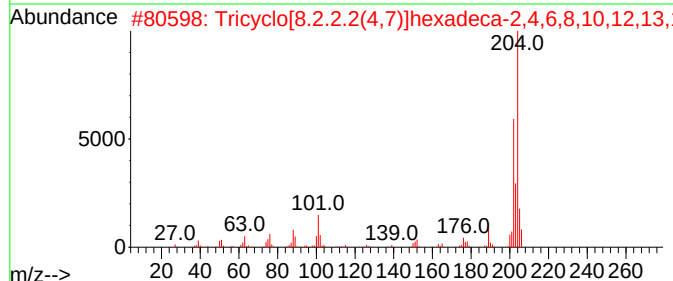
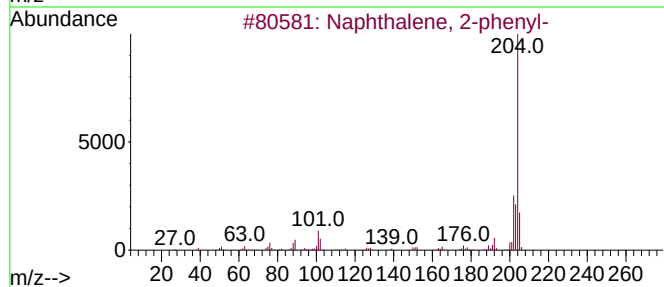
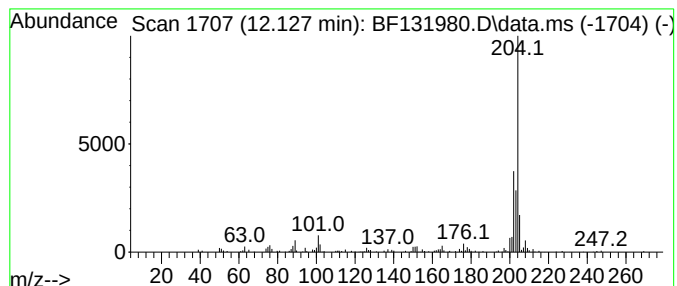
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 19

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.127 | 3.36 ng | 91012 | Phenanthrene-d10 | 11.327 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12   | 000612-94-2 | 81   |
| 2    |    |   | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12   | 006572-60-7 | 74   |
| 3    |    |   | Naphthalene, 1-phenyl-              | 204 | C16H12   | 000605-02-7 | 62   |
| 4    |    |   | 9-Acridinecarbonitrile              | 204 | C14H8N2  | 005326-19-2 | 58   |
| 5    |    |   | [1,1'-Biphenyl]-2-ol, 5-chloro-     | 204 | C12H9ClO | 000607-12-5 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

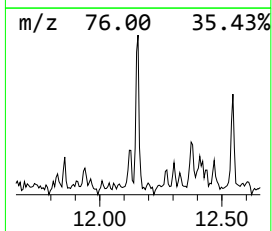
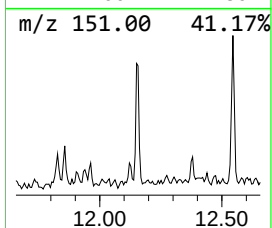
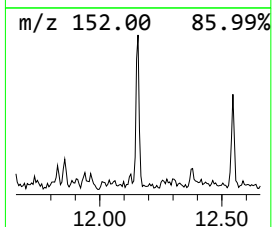
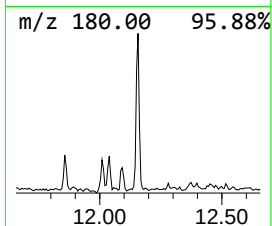
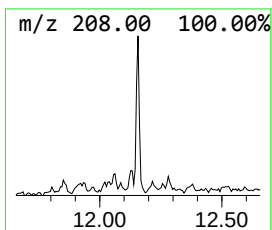
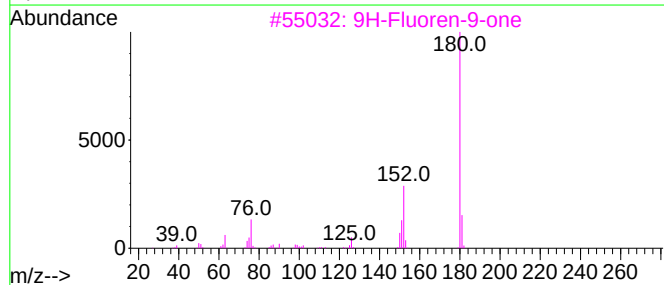
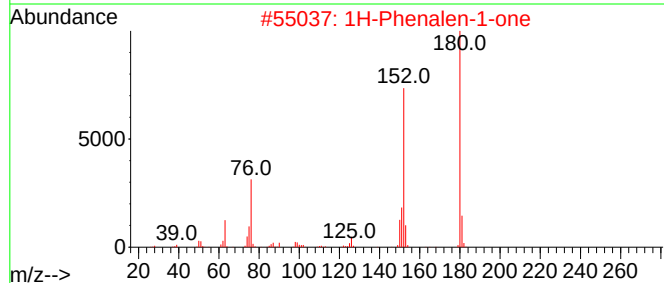
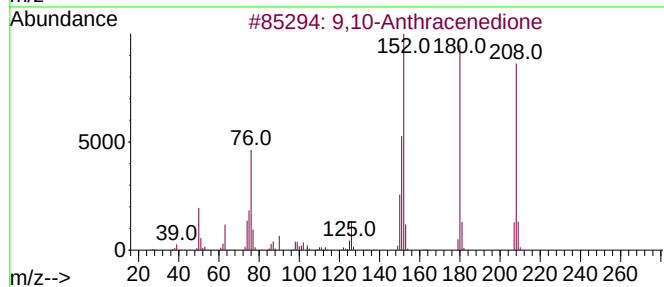
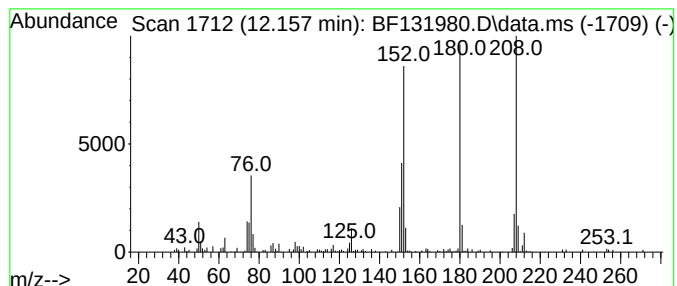
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 9,10-Anthracenedione Concentration Rank 20

| R.T.      | EstConc                | Area  | Relative to ISTD |         | R.T.        |      |
|-----------|------------------------|-------|------------------|---------|-------------|------|
| 12.157    | 3.31 ng                | 89852 | Phenanthrene-d10 |         | 11.327      |      |
| Hit# of 5 | Tentative ID           |       | MW               | MolForm | CAS#        | Qual |
| 1         | 9,10-Anthracenedione   |       | 208              | C14H8O2 | 000084-65-1 | 95   |
| 2         | 1H-Phenalen-1-one      |       | 180              | C13H8O  | 000548-39-0 | 83   |
| 3         | 9H-Fluoren-9-one       |       | 180              | C13H8O  | 000486-25-9 | 70   |
| 4         | Benzo[c]cinnoline      |       | 180              | C12H8N2 | 000230-17-1 | 64   |
| 5         | 9,10-Phenanthrenedione |       | 208              | C14H8O2 | 000084-11-7 | 60   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

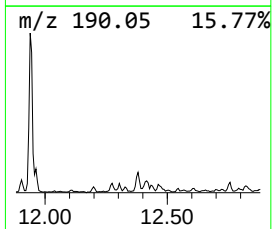
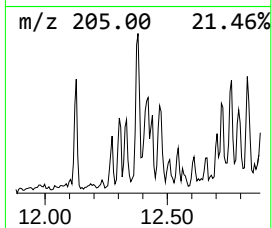
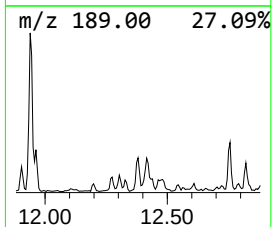
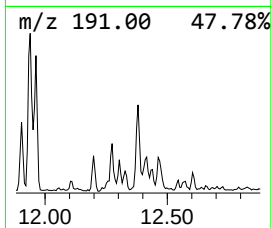
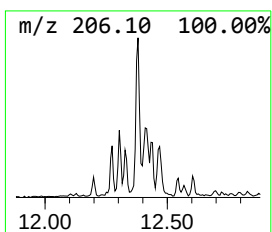
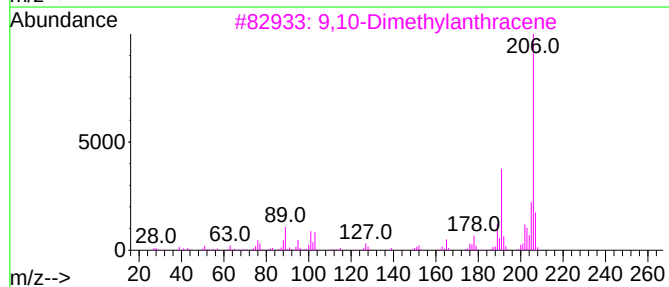
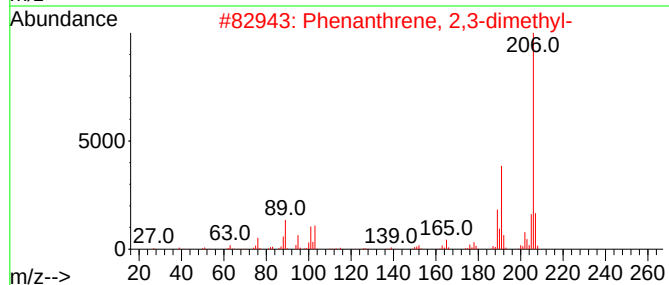
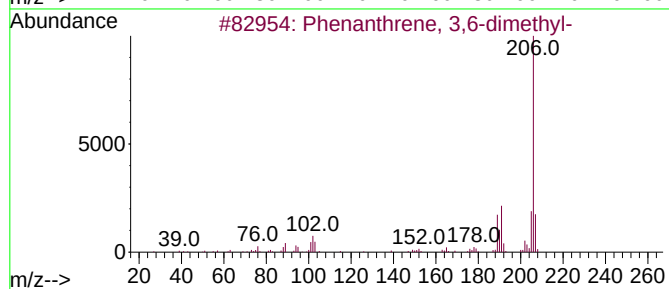
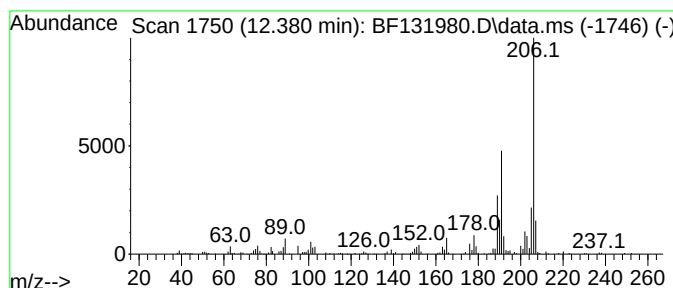
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.380 | 6.08 ng | 164790 | Phenanthrene-d10 | 11.327 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 94   |
| 2    |    |   | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 93   |
| 3    |    |   | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 91   |
| 4    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 91   |
| 5    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 87   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
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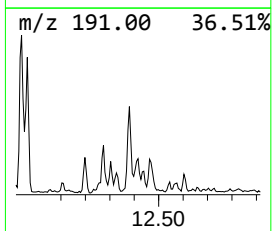
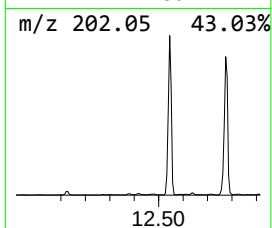
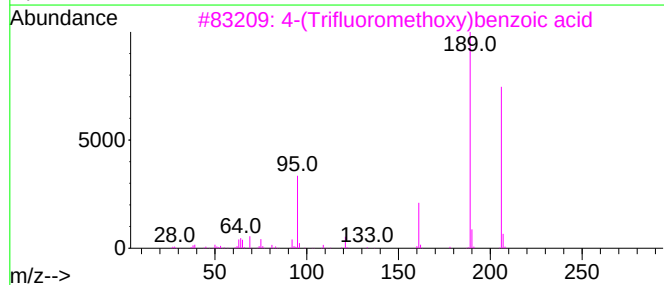
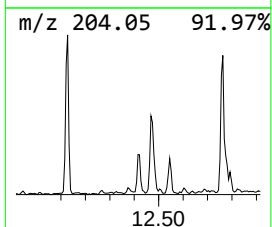
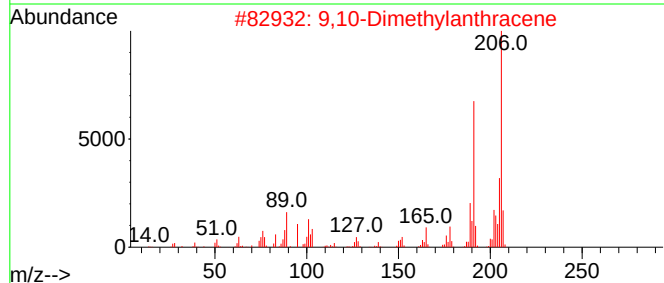
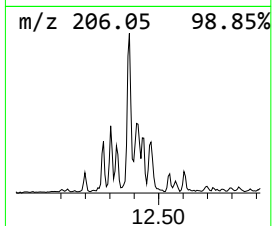
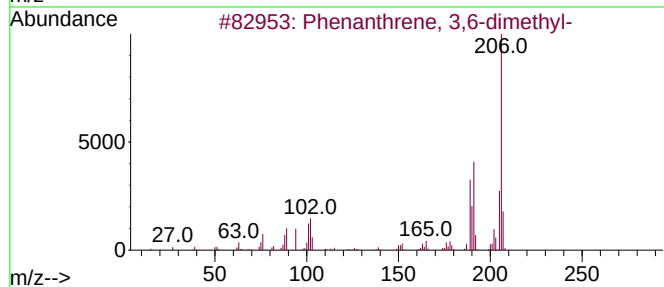
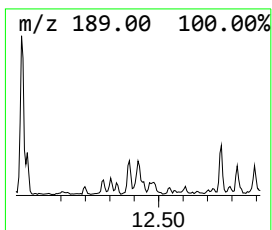
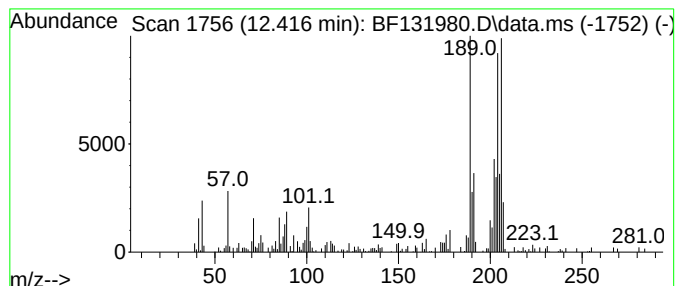
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 unknown12.416 Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.416 | 4.67 ng | 126517 | Phenanthrene-d10 | 11.327 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Phenanthrene, 3,6-dimethyl-        | 206 | C16H14   | 001576-67-6 | 38   |
| 2    |    |   | 9,10-Dimethylantracene             | 206 | C16H14   | 000781-43-1 | 35   |
| 3    |    |   | 4-(Trifluoromethoxy)benzoic acid   | 206 | C8H5F3O3 | 000330-12-1 | 30   |
| 4    |    |   | Naphthalene, 1,2-dihydro-1-phenyl- | 206 | C16H14   | 016606-46-5 | 30   |
| 5    |    |   | 1,2-Dihydro-3-phenylnaphthalene    | 206 | C16H14   | 020669-52-7 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

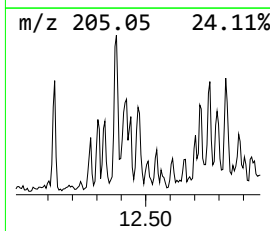
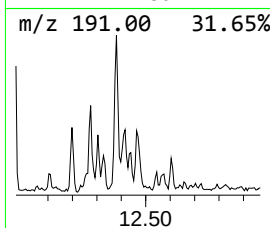
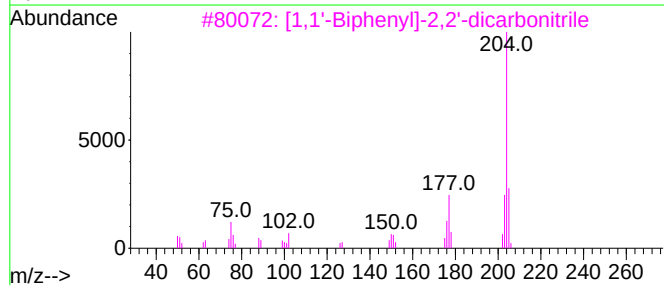
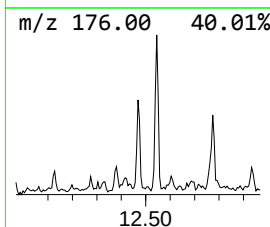
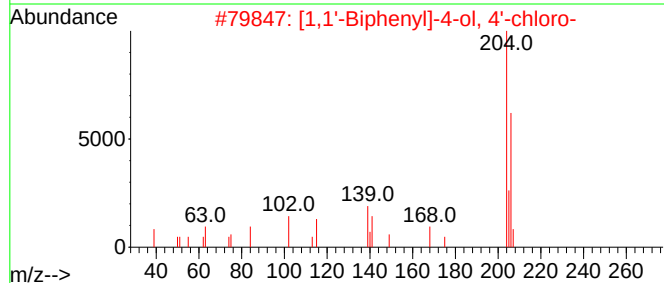
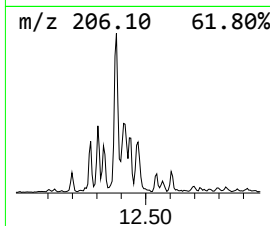
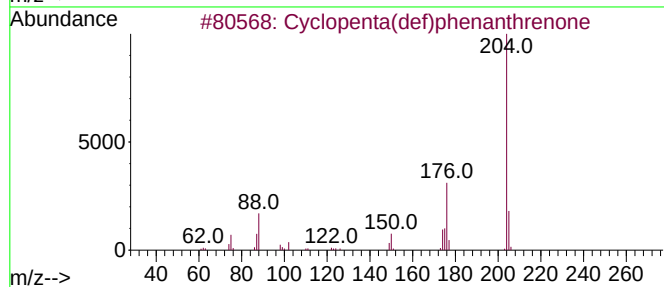
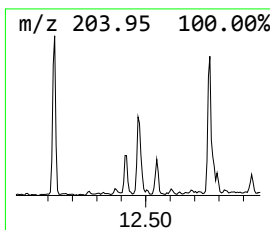
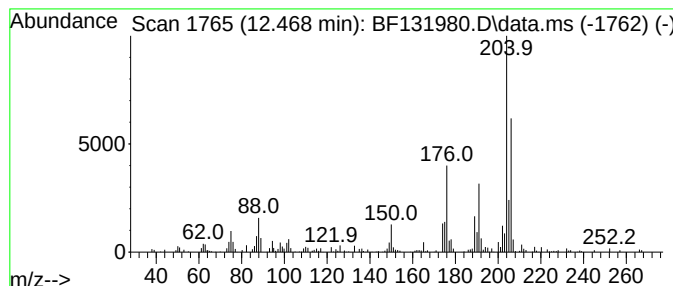
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 15

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.469 | 4.02 ng | 109017 | Phenanthrene-d10 | 11.327 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Cyclopenta(def)phenanthrenone       | 204 | C15H8O   | 005737-13-3 | 92   |
| 2    |    |   | [1,1'-Biphenyl]-4-ol, 4'-chloro-    | 204 | C12H9ClO | 028034-99-3 | 46   |
| 3    |    |   | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2  | 004341-02-0 | 43   |
| 4    |    |   | Anthracene, 1,4-dimethyl-           | 206 | C16H14   | 000781-92-0 | 42   |
| 5    |    |   | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24   | 137235-51-9 | 41   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

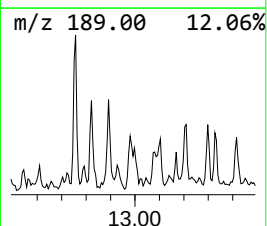
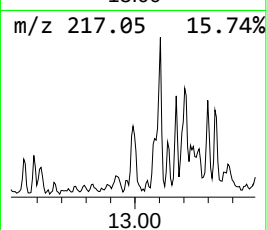
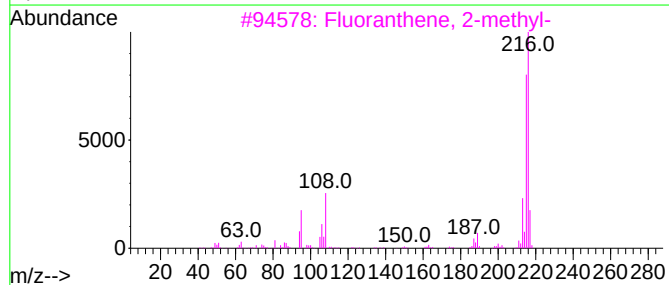
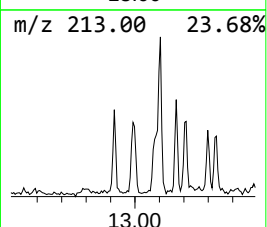
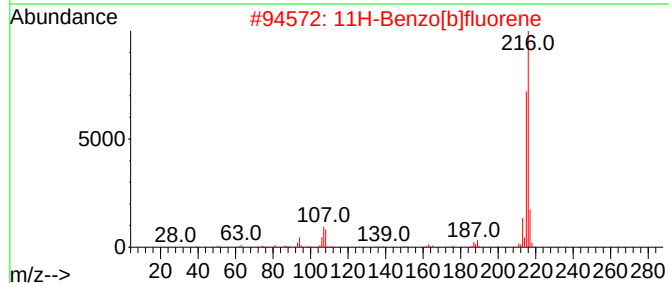
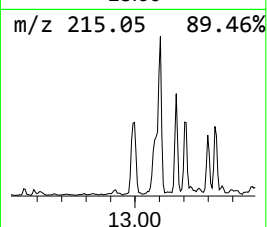
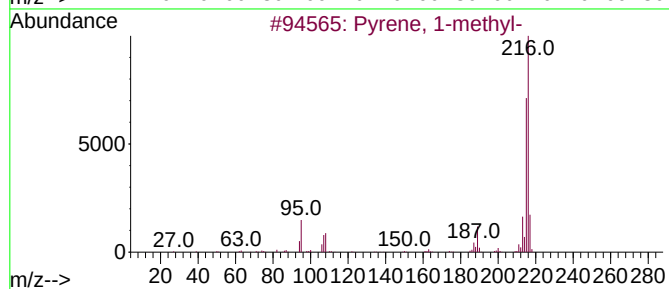
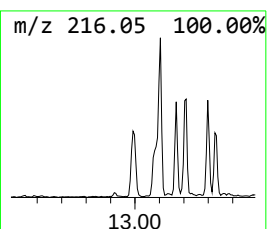
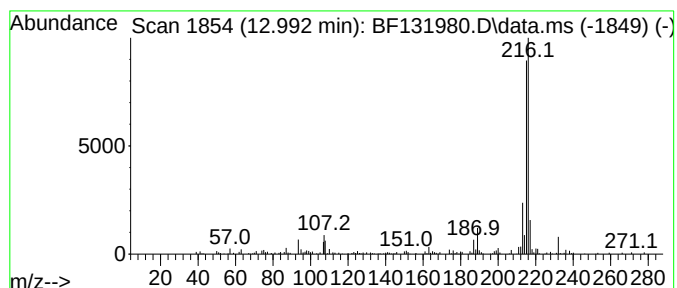
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

| R.T.      | EstConc                 | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------|--------|------------------|---------|-------------|------|
| 12.992    | 3.68 ng                 | 198433 | Chrysene-d12     |         | 13.980      |      |
| Hit# of 5 | Tentative ID            |        | MW               | MolForm | CAS#        | Qual |
| 1         | Pyrene, 1-methyl-       |        | 216              | C17H12  | 002381-21-7 | 93   |
| 2         | 11H-Benzo[b]fluorene    |        | 216              | C17H12  | 000243-17-4 | 90   |
| 3         | Fluoranthene, 2-methyl- |        | 216              | C17H12  | 033543-31-6 | 87   |
| 4         | 11H-Benzo[a]fluorene    |        | 216              | C17H12  | 000238-84-6 | 83   |
| 5         | 7H-Benzo[c]fluorene     |        | 216              | C17H12  | 000205-12-9 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

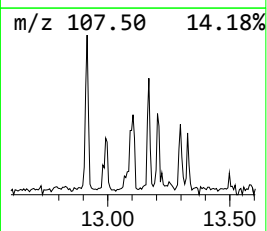
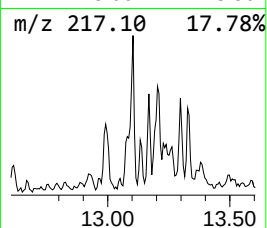
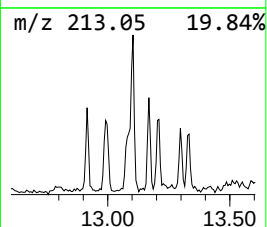
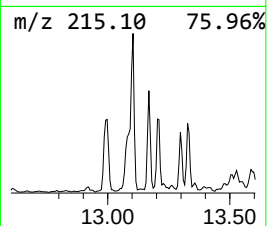
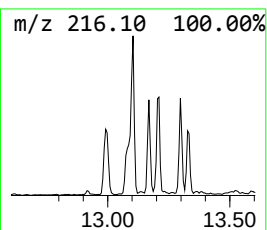
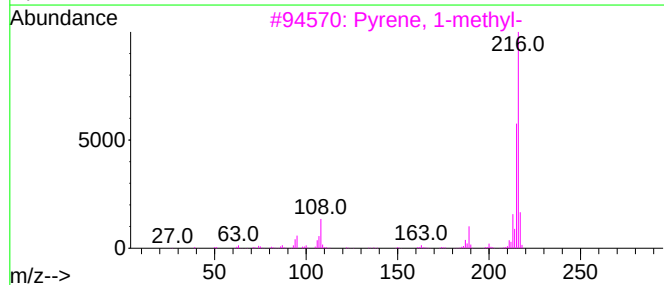
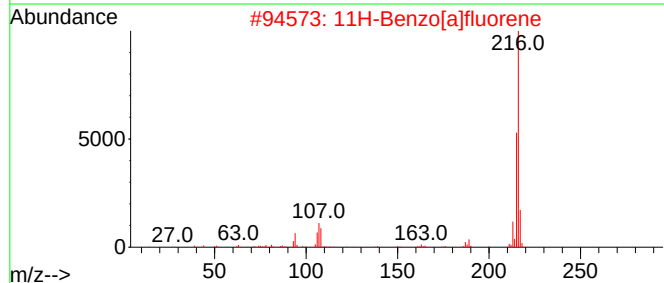
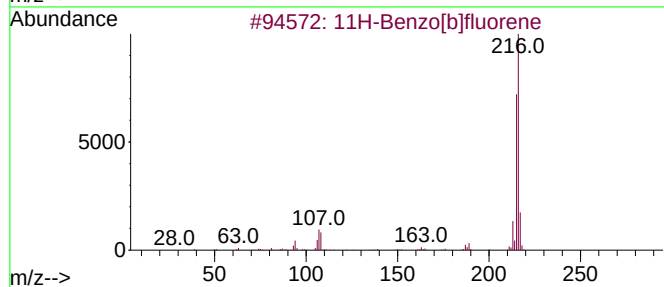
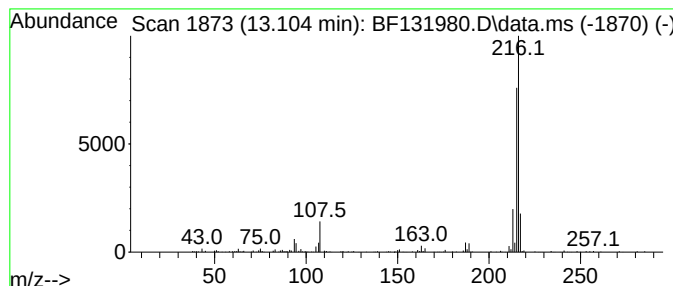
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 18

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.104 | 3.56 ng | 191910 | Chrysene-d12     | 13.980 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm    | CAS#        | Qual |
|------|----|---|------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene               | 216 | C17H12     | 000243-17-4 | 94   |
| 2    |    |   | 11H-Benzo[a]fluorene               | 216 | C17H12     | 000238-84-6 | 91   |
| 3    |    |   | Pyrene, 1-methyl-                  | 216 | C17H12     | 002381-21-7 | 86   |
| 4    |    |   | Fluoranthene, 2-methyl-            | 216 | C17H12     | 033543-31-6 | 72   |
| 5    |    |   | .beta.-Carboline, 1,2,3,4-tetra... | 260 | C14H16N2O3 | 029573-11-3 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

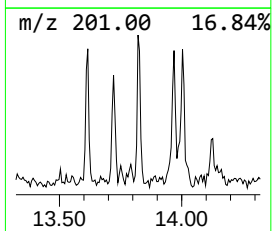
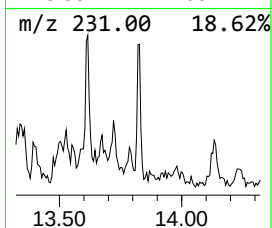
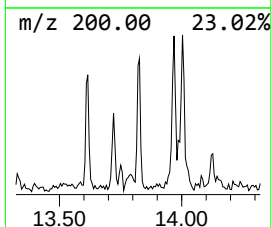
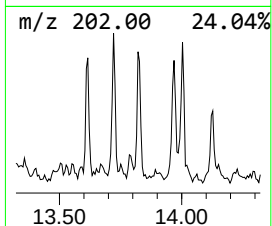
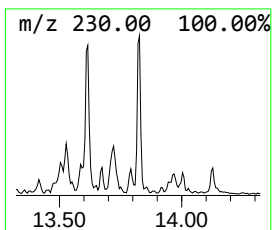
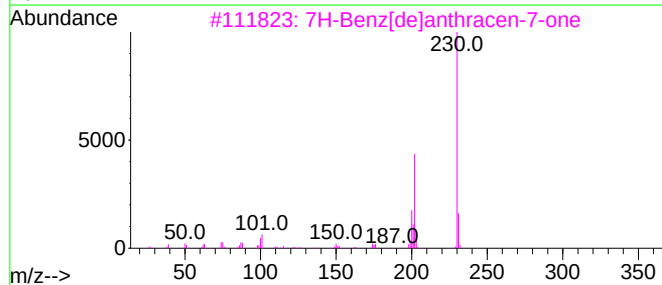
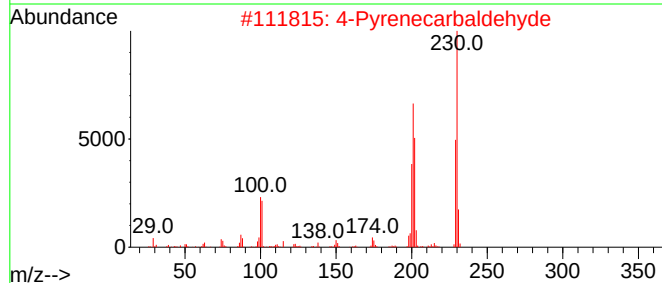
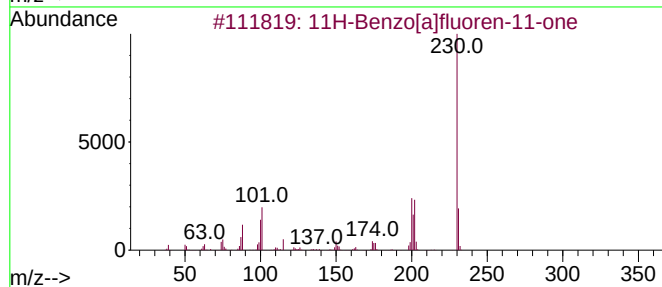
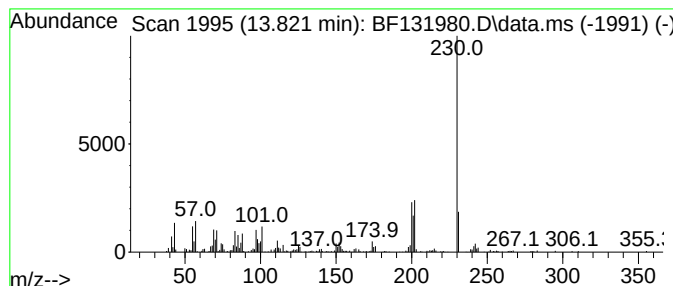
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 12

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.821 | 4.75 ng | 255997 | Chrysene-d12     | 13.980 |

| Hit# | of 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------|-----|---------|-------------|------|
| 1    |      | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 83   |
| 2    |      | 4-Pyrenecarbaldehyde       | 230 | C17H10O | 022245-51-8 | 72   |
| 3    |      | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 68   |
| 4    |      | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 58   |
| 5    |      | 1-Pyrenecarboxaldehyde     | 230 | C17H10O | 003029-19-4 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

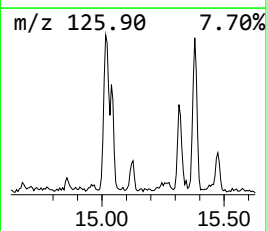
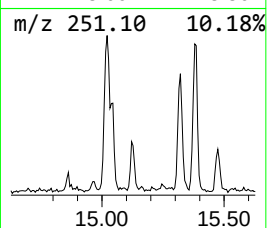
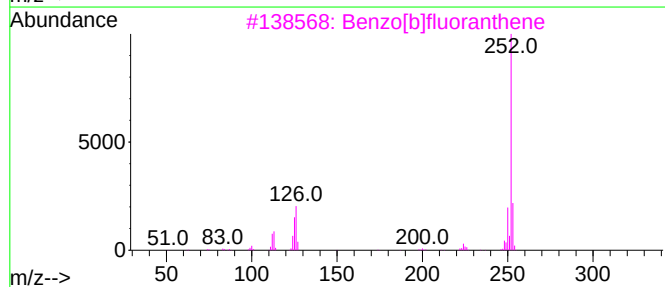
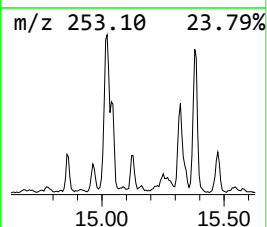
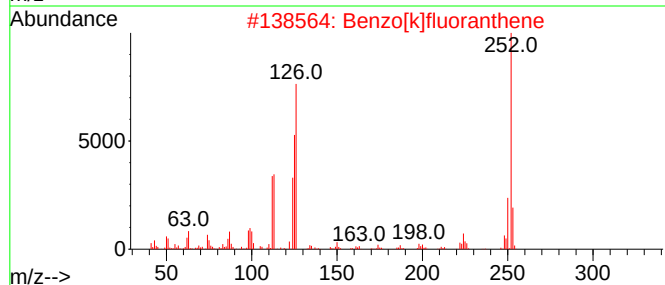
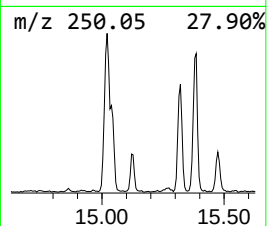
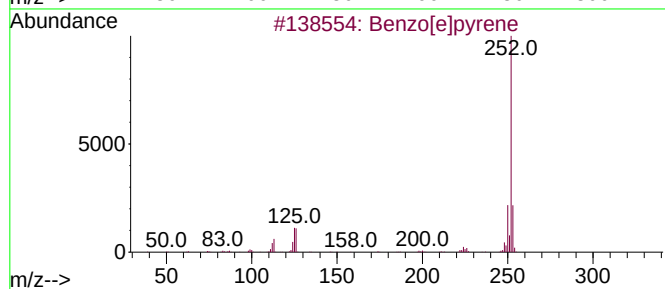
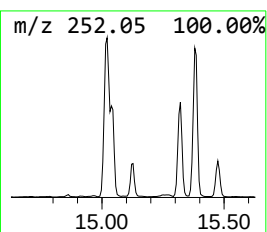
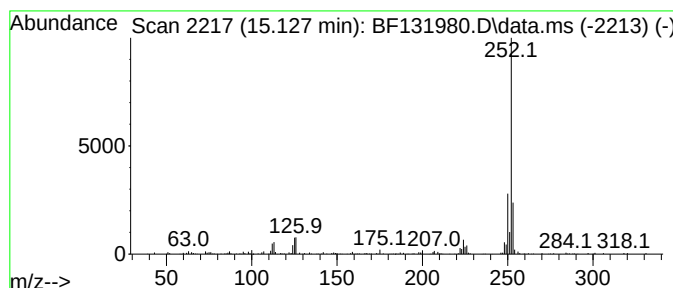
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 Benzo[e]pyrene Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.127 | 5.45 ng | 107268 | Perylene-d12     | 15.445 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 93   |
| 2    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 91   |
| 3    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 90   |
| 4    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 90   |
| 5    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

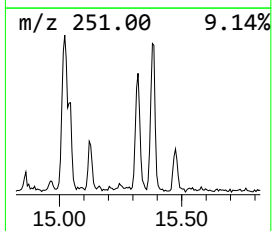
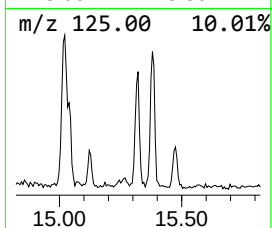
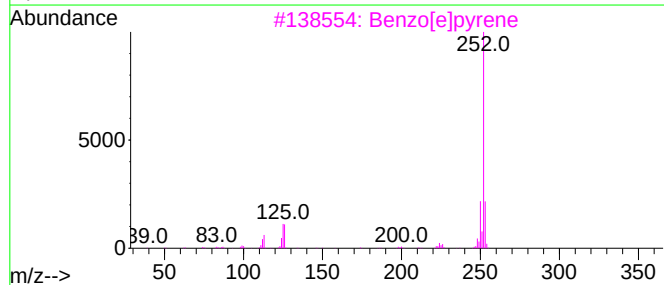
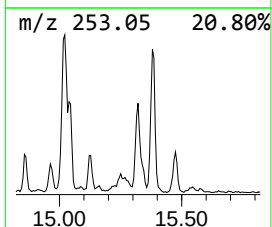
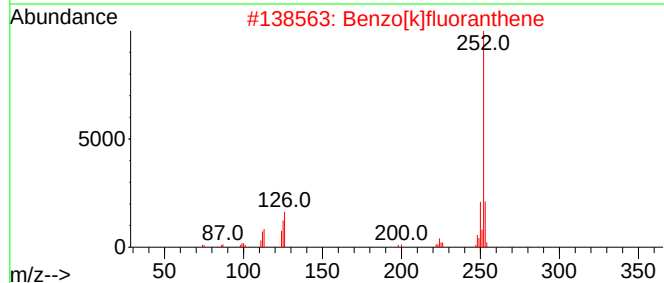
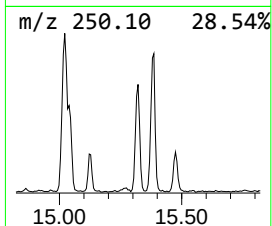
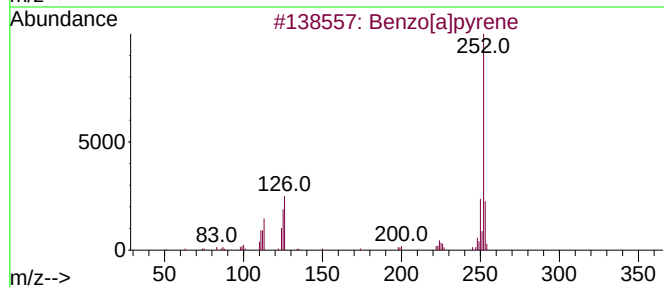
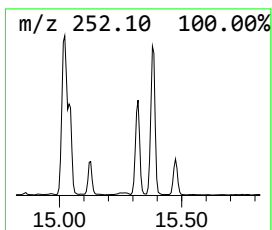
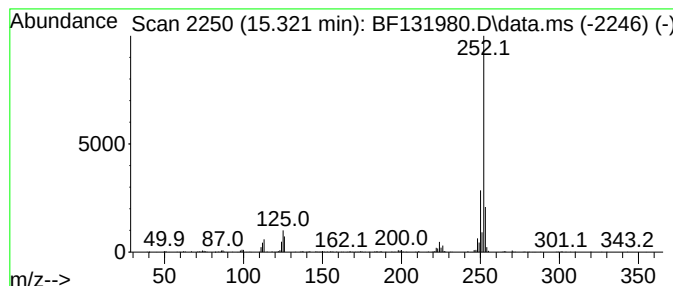
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Perylene Concentration Rank 3

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.321 | 19.46 ng | 382963 | Perylene-d12     | 15.445 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 95   |
| 2    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 95   |
| 3    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 94   |
| 4    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 93   |
| 5    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

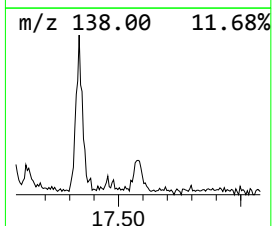
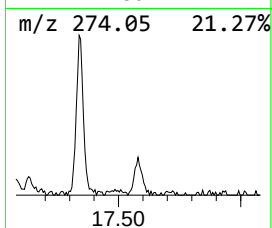
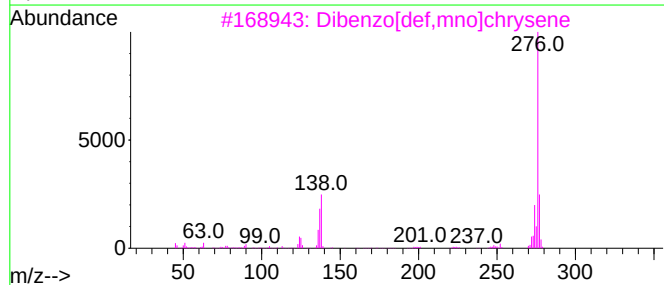
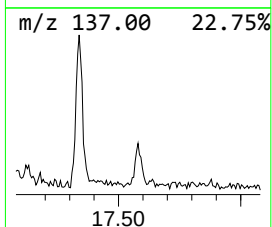
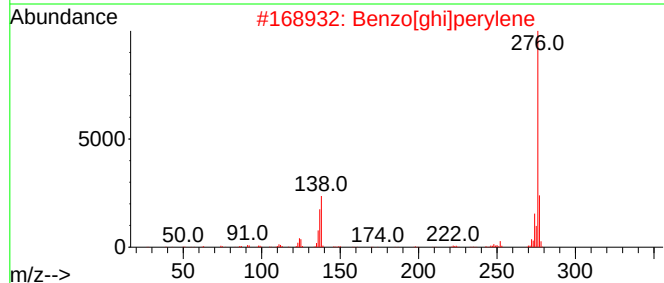
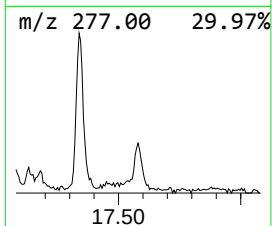
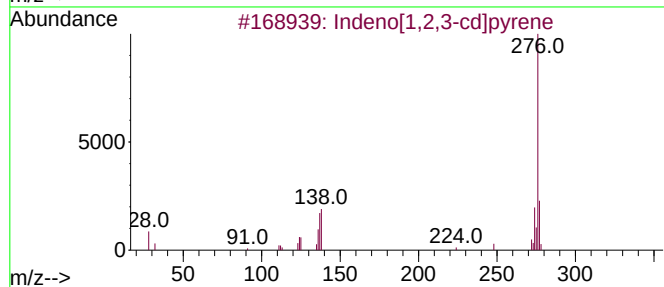
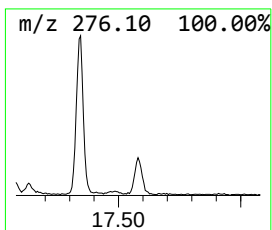
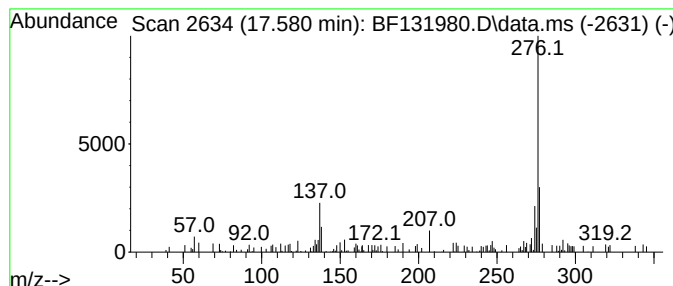
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 17

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 17.580 | 3.66 ng | 72055 | Perylene-d12     | 15.445 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm       | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------------|--------------|------|
| 1    |    |   | Indeno[1,2,3-cd]pyrene              | 276 | C22H12        | 000193-39-5  | 68   |
| 2    |    |   | Benzo[ghi]perylene                  | 276 | C22H12        | 000191-24-2  | 68   |
| 3    |    |   | Dibenzo[def,mno]chrysene            | 276 | C22H12        | 000191-26-4  | 64   |
| 4    |    |   | Ethyl 4-hydroxy-7-methoxy-3-quin... | 319 | C16H21NO4Si   | 1000477-32-1 | 50   |
| 5    |    |   | 6-Bromo-2-chloro-8-cyclopentyl-5... | 341 | C13H13BrClN3O | 1016636-76-2 | 49   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131980.D  
Acq On : 10 Jan 2023 00:13  
Operator : CG\JU  
Sample : N6243-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.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 |
| Trichloroethylene  | 2.369  | 35.4    | ng    | 724910   | 1                     | 6.781  | 410041  | 20.0 |
| 2-Pentanone, 4-... | 4.987  | 30.7    | ng    | 629465   | 1                     | 6.781  | 410041  | 20.0 |
| Benzophenone       | 10.551 | 14.6    | ng    | 422393   | 3                     | 9.833  | 580793  | 20.0 |
| Benzenesulfonam... | 10.739 | 5.2     | ng    | 140925   | 4                     | 11.327 | 542283  | 20.0 |
| Phenanthrene, 1... | 11.827 | 7.2     | ng    | 195795   | 4                     | 11.327 | 542283  | 20.0 |
| Anthracene, 1-m... | 11.857 | 10.0    | ng    | 270667   | 4                     | 11.327 | 542283  | 20.0 |
| Phenanthrene, 2... | 11.904 | 4.1     | ng    | 111492   | 4                     | 11.327 | 542283  | 20.0 |
| Benzaldehyde, 3... | 11.939 | 12.0    | ng    | 325645   | 4                     | 11.327 | 542283  | 20.0 |
| 1H-Indene, 1-ph... | 11.963 | 5.2     | ng    | 141563   | 4                     | 11.327 | 542283  | 20.0 |
| Naphthalene, 2-... | 12.127 | 3.4     | ng    | 91012    | 4                     | 11.327 | 542283  | 20.0 |
| 9,10-Anthracene... | 12.157 | 3.3     | ng    | 89852    | 4                     | 11.327 | 542283  | 20.0 |
| Phenanthrene, 3... | 12.380 | 6.1     | ng    | 164790   | 4                     | 11.327 | 542283  | 20.0 |
| unknown12.416      | 12.416 | 4.7     | ng    | 126517   | 4                     | 11.327 | 542283  | 20.0 |
| Cyclopenta(def)... | 12.469 | 4.0     | ng    | 109017   | 4                     | 11.327 | 542283  | 20.0 |
| Pyrene, 1-methyl-  | 12.992 | 3.7     | ng    | 198433   | 5                     | 13.980 | 1077720 | 20.0 |
| 11H-Benzo[b]flu... | 13.104 | 3.6     | ng    | 191910   | 5                     | 13.980 | 1077720 | 20.0 |
| 11H-Benzo[a]flu... | 13.821 | 4.8     | ng    | 255997   | 5                     | 13.980 | 1077720 | 20.0 |
| Benzo[e]pyrene     | 15.127 | 5.5     | ng    | 107268   | 6                     | 15.445 | 393595  | 20.0 |
| Perylene           | 15.321 | 19.5    | ng    | 382963   | 6                     | 15.445 | 393595  | 20.0 |
| Dibenzo[def,mno... | 17.580 | 3.7     | ng    | 72055    | 6                     | 15.445 | 393595  | 20.0 |