

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
 Data File : BF134327.D  
 Acq On : 17 Jul 2023 21:31  
 Operator : CG\JU  
 Sample : 03597-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-43-(0-2)

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134327.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         | 5.081       | 505           | 509         | 517          | rBV      | 21315          | 27014         | 1.95%           | 0.142%        |
| 2         | 5.475       | 572           | 576         | 587          | rBV      | 1446595        | 1343915       | 97.00%          | 7.056%        |
| 3         | 6.481       | 742           | 747         | 764          | rBV      | 1473171        | 1385441       | 100.00%         | 7.274%        |
| 4         | 6.669       | 776           | 779         | 793          | rVB      | 36024          | 47846         | 3.45%           | 0.251%        |
| 5         | 6.840       | 804           | 808         | 816          | rBV      | 507381         | 436920        | 31.54%          | 2.294%        |
| 6         | 7.398       | 899           | 903         | 906          | rBV      | 1001709        | 820772        | 59.24%          | 4.309%        |
| 7         | 8.116       | 1021          | 1025        | 1027         | rBV      | 681849         | 522032        | 37.68%          | 2.741%        |
| 8         | 8.139       | 1027          | 1029        | 1036         | rVB      | 69451          | 60969         | 4.40%           | 0.320%        |
| 9         | 8.828       | 1143          | 1146        | 1152         | rBV      | 22958          | 19275         | 1.39%           | 0.101%        |
| 10        | 8.928       | 1159          | 1163        | 1166         | rBV      | 21502          | 16776         | 1.21%           | 0.088%        |
| 11        | 9.192       | 1204          | 1208        | 1211         | rBV      | 1719654        | 1334161       | 96.30%          | 7.005%        |
| 12        | 9.310       | 1223          | 1228        | 1232         | rBV      | 342320         | 335555        | 24.22%          | 1.762%        |
| 13        | 9.875       | 1319          | 1324        | 1327         | rBV      | 648475         | 512114        | 36.96%          | 2.689%        |
| 14        | 9.904       | 1327          | 1329        | 1333         | rVB      | 125190         | 108226        | 7.81%           | 0.568%        |
| 15        | 10.080      | 1355          | 1359        | 1363         | rBV      | 54638          | 48308         | 3.49%           | 0.254%        |
| 16        | 10.422      | 1414          | 1417        | 1421         | rBV      | 86852          | 75902         | 5.48%           | 0.399%        |
| 17        | 10.580      | 1442          | 1444        | 1448         | rVB      | 20848          | 18067         | 1.30%           | 0.095%        |
| 18        | 10.669      | 1455          | 1459        | 1466         | rBV      | 1059134        | 893663        | 64.50%          | 4.692%        |
| 19        | 11.175      | 1541          | 1545        | 1549         | rBV      | 42786          | 37140         | 2.68%           | 0.195%        |
| 20        | 11.263      | 1557          | 1560        | 1567         | rVB      | 40905          | 38160         | 2.75%           | 0.200%        |
| 21        | 11.369      | 1574          | 1578        | 1580         | rBV      | 594071         | 510293        | 36.83%          | 2.679%        |
| 22        | 11.392      | 1580          | 1582        | 1586         | rVV      | 861592         | 740572        | 53.45%          | 3.888%        |
| 23        | 11.445      | 1586          | 1591        | 1594         | rVV      | 209016         | 189097        | 13.65%          | 0.993%        |
| 24        | 11.480      | 1594          | 1597        | 1603         | rVB      | 21956          | 26630         | 1.92%           | 0.140%        |
| 25        | 11.604      | 1612          | 1618        | 1626         | rBV      | 106810         | 128768        | 9.29%           | 0.676%        |
| 26        | 11.669      | 1626          | 1629        | 1632         | rVB3     | 16568          | 18874         | 1.36%           | 0.099%        |
| 27        | 11.763      | 1641          | 1645        | 1647         | rBV3     | 17417          | 19233         | 1.39%           | 0.101%        |
| 28        | 11.827      | 1653          | 1656        | 1659         | rBV3     | 19163          | 22147         | 1.60%           | 0.116%        |
| 29        | 11.874      | 1659          | 1664        | 1666         | rVV2     | 108313         | 155901        | 11.25%          | 0.819%        |
| 30        | 11.898      | 1666          | 1668        | 1674         | rVV      | 347224         | 354635        | 25.60%          | 1.862%        |
| 31        | 11.951      | 1674          | 1677        | 1680         | rVV      | 48586          | 57362         | 4.14%           | 0.301%        |
| 32        | 11.986      | 1680          | 1683        | 1685         | rVV      | 163075         | 161566        | 11.66%          | 0.848%        |
| 33        | 12.010      | 1685          | 1687        | 1693         | rVB      | 56657          | 52842         | 3.81%           | 0.277%        |
| 34        | 12.169      | 1712          | 1714        | 1717         | rBV      | 64161          | 52969         | 3.82%           | 0.278%        |
| 35        | 12.204      | 1717          | 1720        | 1725         | rVB      | 72523          | 66590         | 4.81%           | 0.350%        |
| 36        | 12.322      | 1737          | 1740        | 1743         | rVB3     | 18900          | 16386         | 1.18%           | 0.086%        |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
 Data File : BF134327.D  
 Acq On : 17 Jul 2023 21:31  
 Operator : CG\JU  
 Sample : 03597-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-43-(0-2)

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 12.427 | 1755 | 1758 | 1760 | rBV  | 34714   | 38420   | 2.77%  | 0.202% |
| 38 | 12.469 | 1760 | 1765 | 1770 | rVB4 | 76857   | 105156  | 7.59%  | 0.552% |
| 39 | 12.516 | 1770 | 1773 | 1778 | rVB  | 49945   | 55256   | 3.99%  | 0.290% |
| 40 | 12.592 | 1782 | 1786 | 1790 | rBV  | 1242713 | 1105188 | 79.77% | 5.803% |
| 41 | 12.657 | 1795 | 1797 | 1799 | rVB  | 29019   | 22479   | 1.62%  | 0.118% |
| 42 | 12.692 | 1799 | 1803 | 1806 | rBV2 | 48497   | 54748   | 3.95%  | 0.287% |
| 43 | 12.745 | 1808 | 1812 | 1814 | rVB3 | 26703   | 35082   | 2.53%  | 0.184% |
| 44 | 12.827 | 1819 | 1826 | 1831 | rVV  | 956677  | 1140527 | 82.32% | 5.988% |
| 45 | 12.869 | 1831 | 1833 | 1837 | rVB2 | 43938   | 50190   | 3.62%  | 0.264% |
| 46 | 12.963 | 1842 | 1849 | 1856 | rBV  | 1249639 | 1222231 | 88.22% | 6.417% |
| 47 | 13.039 | 1858 | 1862 | 1866 | rBV4 | 50219   | 83770   | 6.05%  | 0.440% |
| 48 | 13.127 | 1874 | 1877 | 1878 | rBV2 | 56977   | 52986   | 3.82%  | 0.278% |
| 49 | 13.151 | 1879 | 1881 | 1884 | rVB  | 119803  | 104950  | 7.58%  | 0.551% |
| 50 | 13.192 | 1885 | 1888 | 1890 | rBV4 | 16675   | 20034   | 1.45%  | 0.105% |
| 51 | 13.221 | 1890 | 1893 | 1895 | rVV  | 84966   | 75297   | 5.43%  | 0.395% |
| 52 | 13.257 | 1895 | 1899 | 1902 | rVV2 | 82196   | 99110   | 7.15%  | 0.520% |
| 53 | 13.280 | 1902 | 1903 | 1906 | rVB2 | 37359   | 26887   | 1.94%  | 0.141% |
| 54 | 13.310 | 1906 | 1908 | 1912 | rBV2 | 23598   | 25602   | 1.85%  | 0.134% |
| 55 | 13.351 | 1912 | 1915 | 1918 | rBV  | 40574   | 35135   | 2.54%  | 0.184% |
| 56 | 13.380 | 1918 | 1920 | 1923 | rBV  | 39734   | 37307   | 2.69%  | 0.196% |
| 57 | 13.539 | 1943 | 1947 | 1949 | rBV4 | 25366   | 36314   | 2.62%  | 0.191% |
| 58 | 13.639 | 1961 | 1964 | 1966 | rBV3 | 17784   | 20505   | 1.48%  | 0.108% |
| 59 | 13.668 | 1966 | 1969 | 1973 | rVV  | 68302   | 68744   | 4.96%  | 0.361% |
| 60 | 13.774 | 1984 | 1987 | 1990 | rBV2 | 72159   | 83671   | 6.04%  | 0.439% |
| 61 | 13.804 | 1990 | 1992 | 1994 | rVV  | 77641   | 67757   | 4.89%  | 0.356% |
| 62 | 13.827 | 1994 | 1996 | 2002 | rVV2 | 61026   | 104717  | 7.56%  | 0.550% |
| 63 | 13.880 | 2002 | 2005 | 2012 | rVB3 | 118709  | 169498  | 12.23% | 0.890% |
| 64 | 14.027 | 2023 | 2030 | 2033 | rBV2 | 610709  | 927986  | 66.98% | 4.872% |
| 65 | 14.057 | 2033 | 2035 | 2043 | rVB  | 426728  | 392667  | 28.34% | 2.062% |
| 66 | 14.139 | 2046 | 2049 | 2051 | rVB  | 75754   | 61099   | 4.41%  | 0.321% |
| 67 | 14.186 | 2054 | 2057 | 2059 | rBV3 | 29585   | 34296   | 2.48%  | 0.180% |
| 68 | 14.421 | 2095 | 2097 | 2100 | rVB  | 66176   | 50581   | 3.65%  | 0.266% |
| 69 | 14.498 | 2107 | 2110 | 2112 | rBV2 | 56838   | 61253   | 4.42%  | 0.322% |
| 70 | 15.092 | 2207 | 2211 | 2214 | rBV  | 294786  | 425928  | 30.74% | 2.236% |
| 71 | 15.162 | 2219 | 2223 | 2227 | rVB2 | 117086  | 144078  | 10.40% | 0.756% |
| 72 | 15.204 | 2227 | 2230 | 2234 | rBV  | 57357   | 87173   | 6.29%  | 0.458% |
| 73 | 15.404 | 2261 | 2264 | 2271 | rVB  | 149740  | 209449  | 15.12% | 1.100% |
| 74 | 15.474 | 2272 | 2276 | 2282 | rVB  | 231048  | 295910  | 21.36% | 1.554% |
| 75 | 15.539 | 2282 | 2287 | 2290 | rBV  | 206823  | 282766  | 20.41% | 1.485% |
| 76 | 16.015 | 2364 | 2368 | 2375 | rVB  | 111969  | 177863  | 12.84% | 0.934% |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

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

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

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |       |        |        |        |
|----|--------|------|------|------|------|-------|--------|--------|--------|
| 77 | 17.080 | 2545 | 2549 | 2559 | rVB3 | 84261 | 181101 | 13.07% | 0.951% |
| 78 | 17.551 | 2625 | 2629 | 2637 | rVB3 | 51282 | 116881 | 8.44%  | 0.614% |

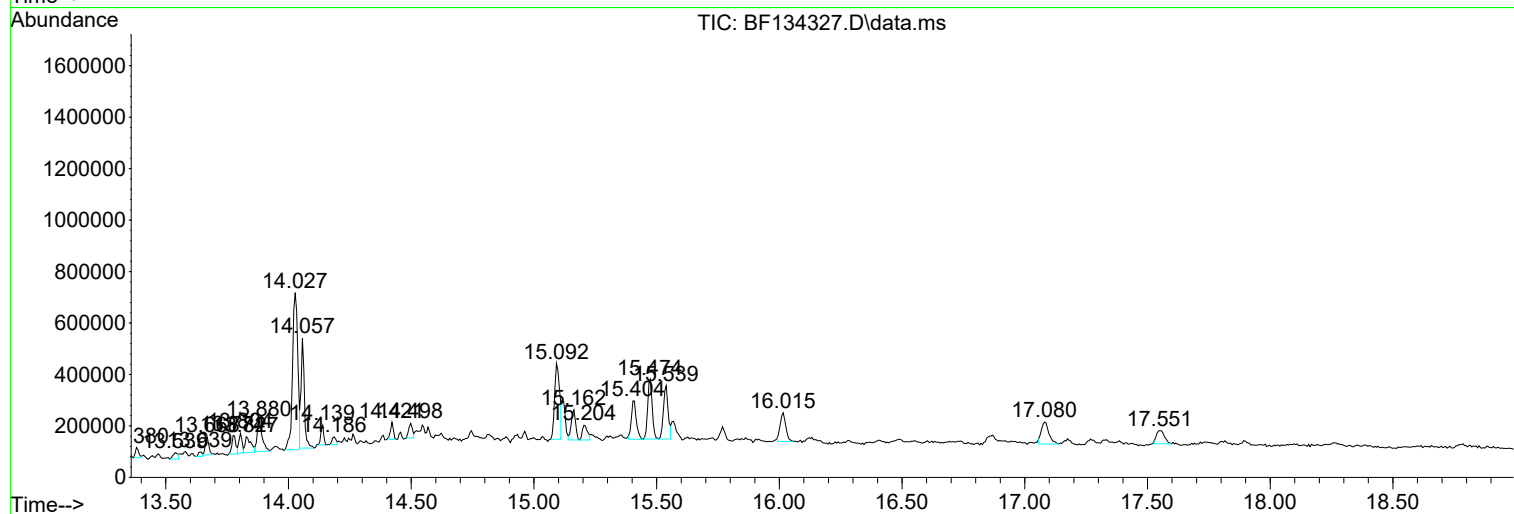
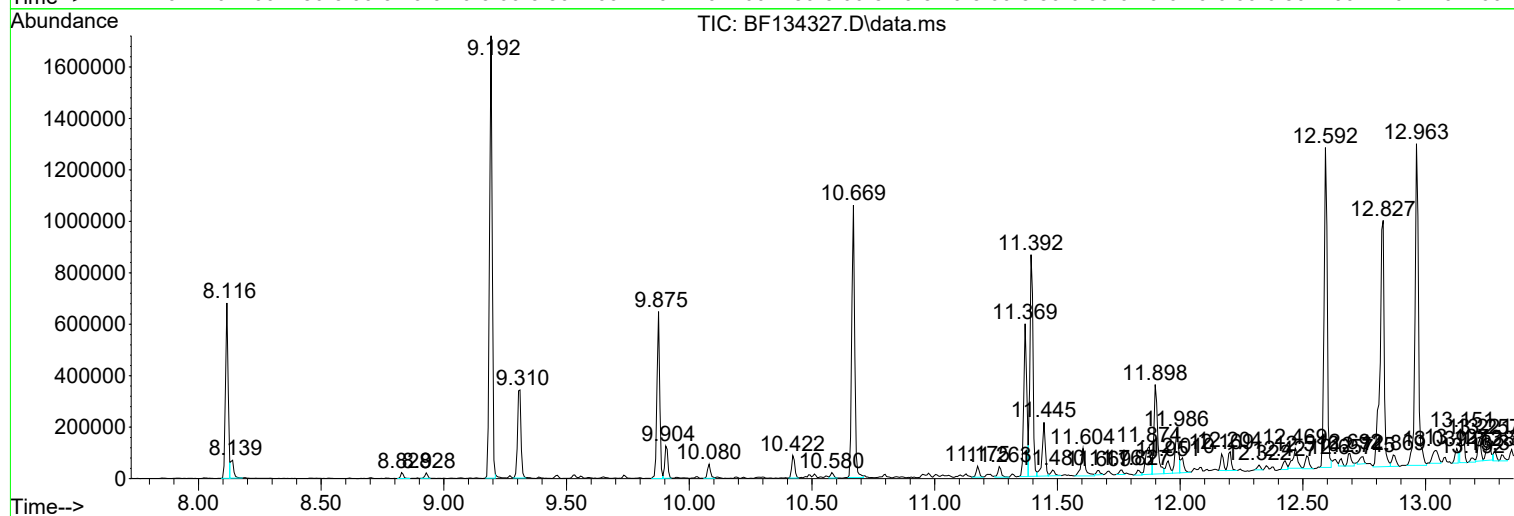
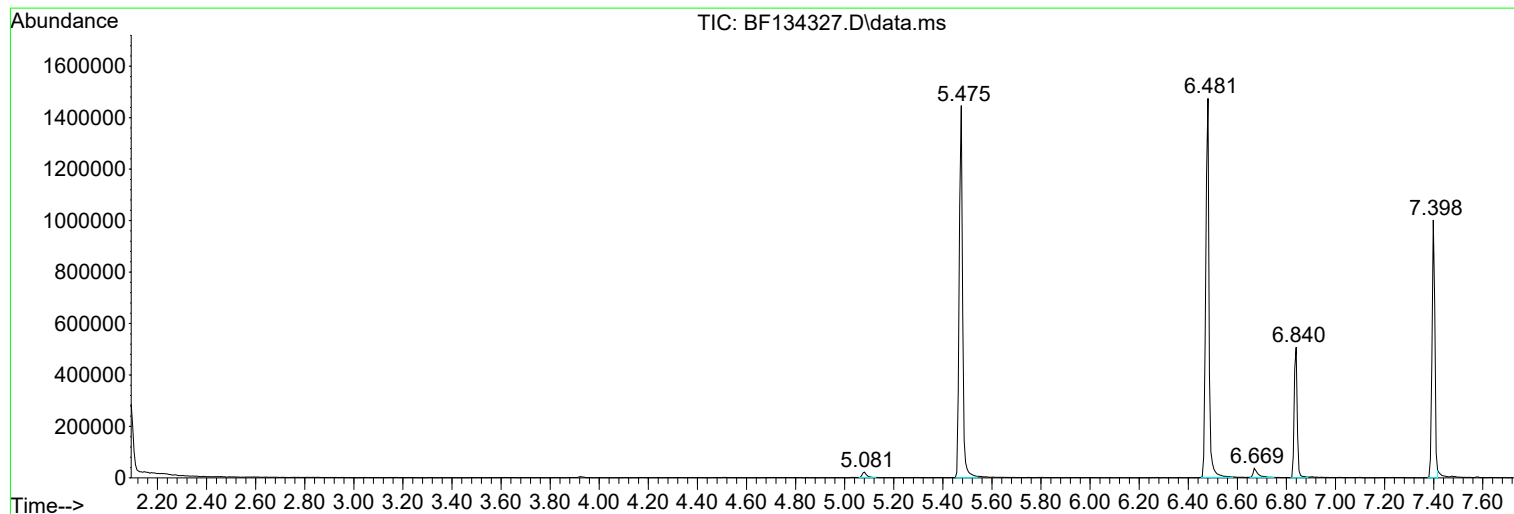
Sum of corrected areas: 19046713

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

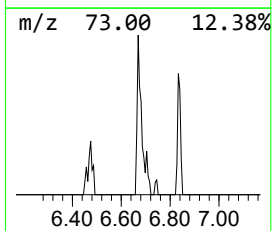
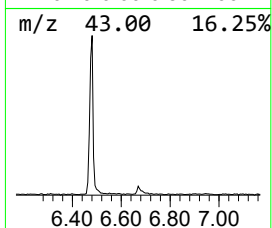
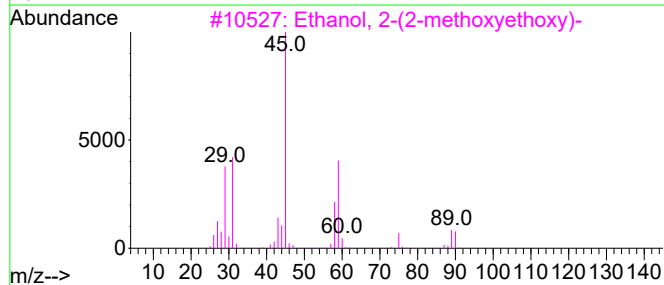
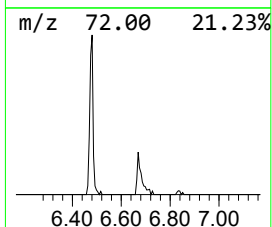
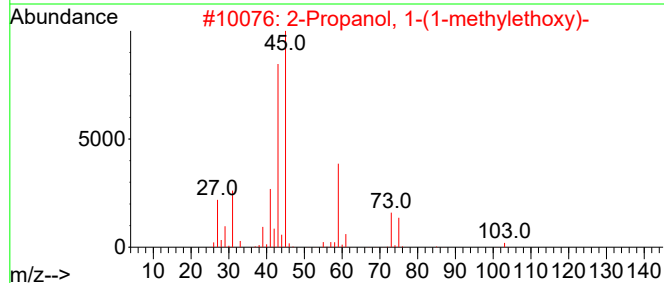
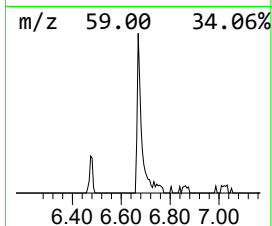
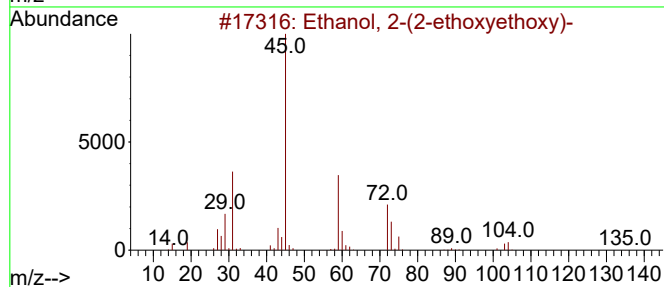
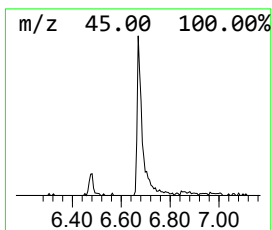
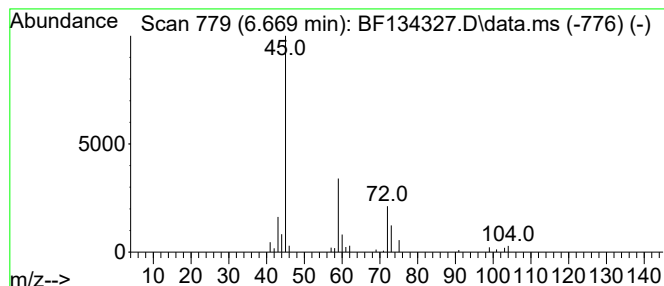
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 14

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 6.669 | 2.19 ng | 47846 | 1,4-Dichlorobenzene-d4 | 6.840 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethanol, 2-(2-ethoxyethoxy)-    | 134 | C6H14O3  | 000111-90-0 | 78   |
| 2    |    |   | 2-Propanol, 1-(1-methylethoxy)- | 118 | C6H14O2  | 003944-36-3 | 45   |
| 3    |    |   | Ethanol, 2-(2-methoxyethoxy)-   | 120 | C5H12O3  | 000111-77-3 | 42   |
| 4    |    |   | 1-Butaneboronic acid            | 102 | C4H11BO2 | 004426-47-5 | 38   |
| 5    |    |   | Ethane, 1,2-diethoxy-           | 118 | C6H14O2  | 000629-14-1 | 36   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

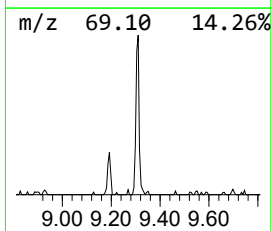
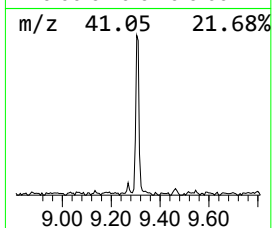
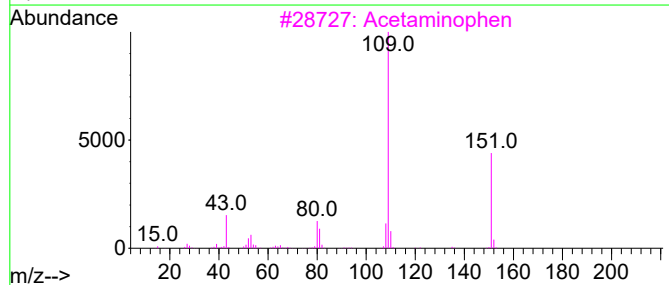
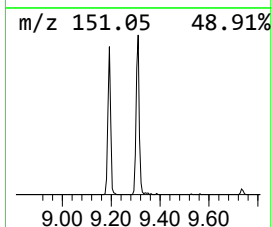
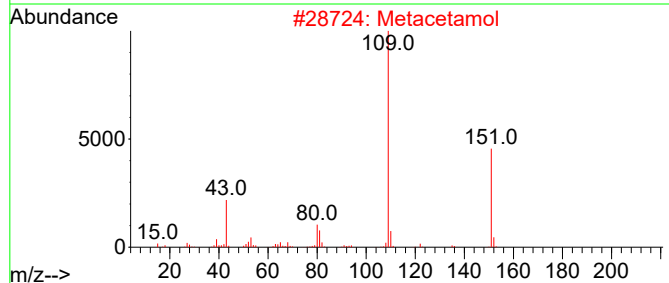
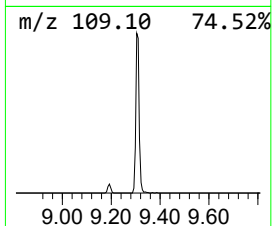
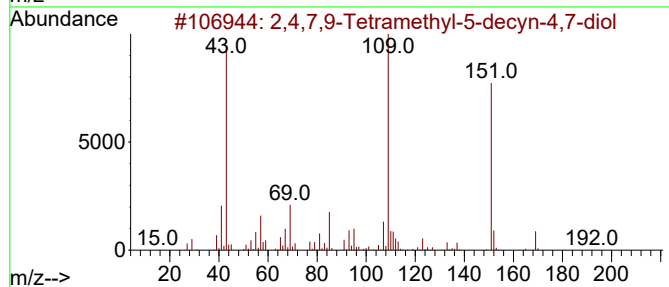
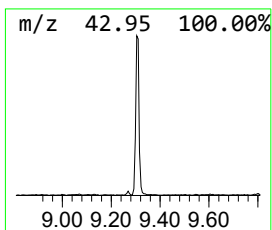
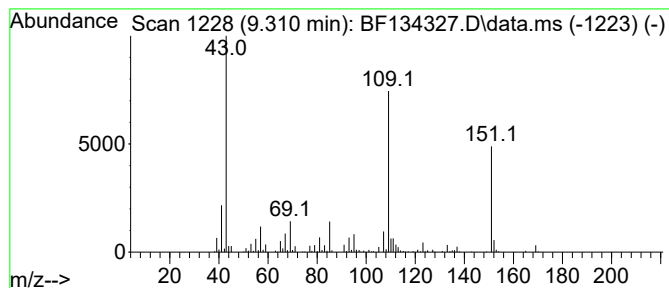
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.310 | 13.10 ng | 335555 | Acenaphthene-d10 | 9.875 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|----------|-------------|------|------|
| 1    | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226          | C14H26O2 | 000126-86-3 | 91   |      |
| 2    | Metacetamol                         | 151          | C8H9NO2  | 000621-42-1 | 59   |      |
| 3    | Acetaminophen                       | 151          | C8H9NO2  | 000103-90-2 | 59   |      |
| 4    | 1-(1,2,3-Trimethyl-cyclopent-2-e... | 152          | C10H16O  | 070987-81-4 | 43   |      |
| 5    | Cyclopentanol, 1-(methylenecyclo... | 138          | C9H14O   | 086951-58-8 | 43   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

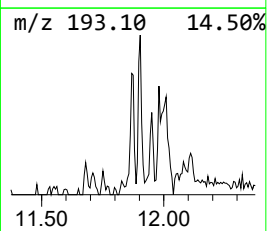
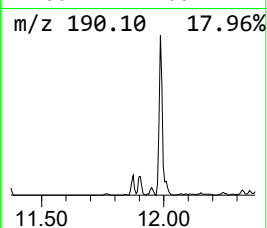
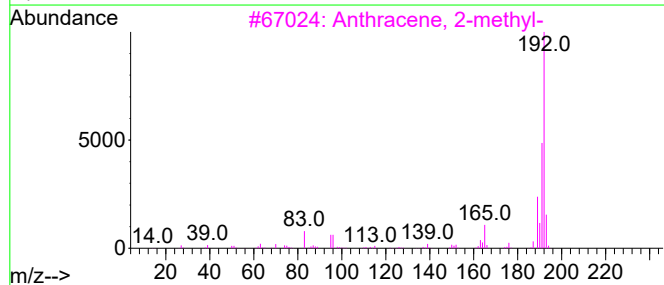
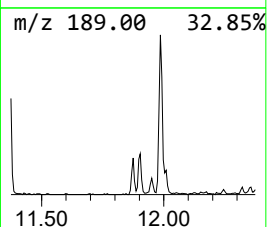
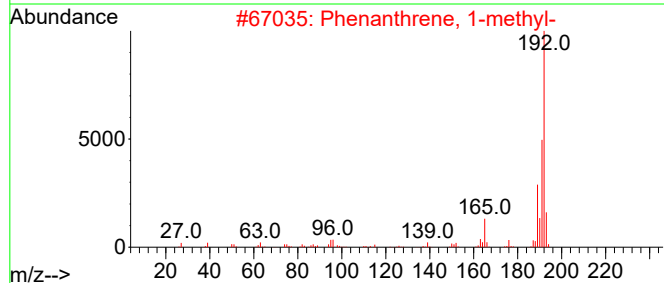
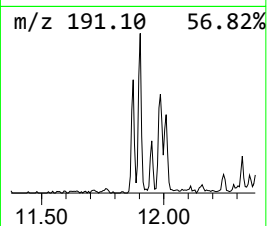
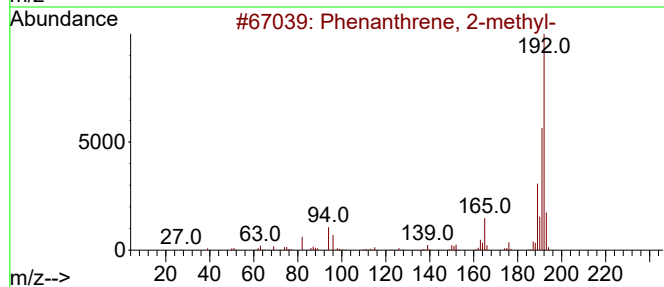
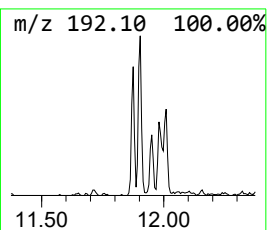
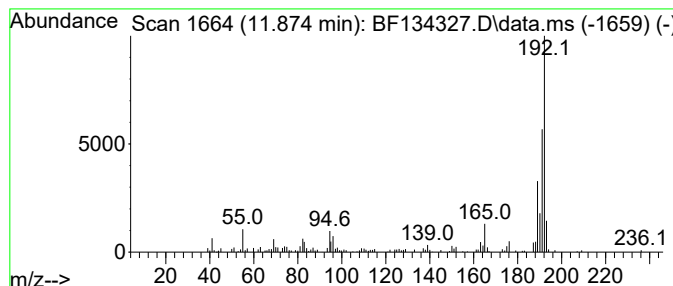
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.874 | 6.11 ng | 155901 | Phenanthrene-d10 | 11.369 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 98   |
| 2    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 96   |
| 3    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 95   |
| 4    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 95   |
| 5    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

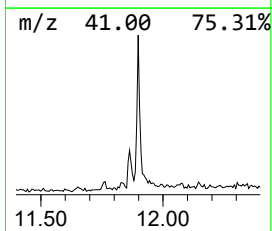
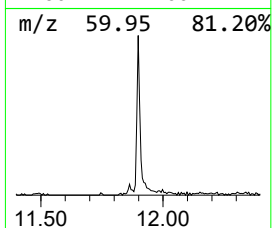
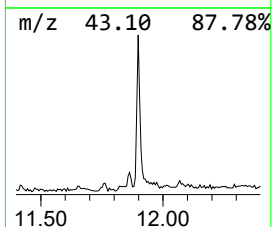
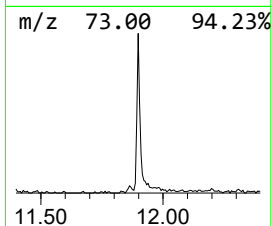
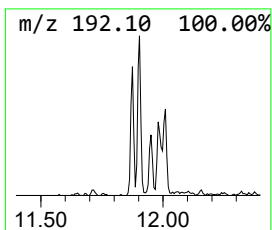
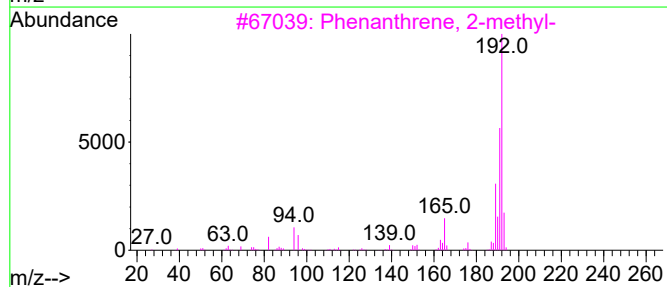
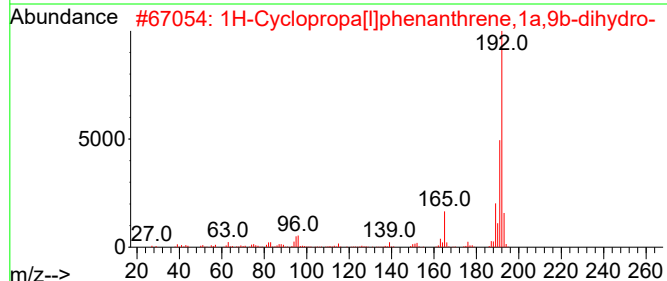
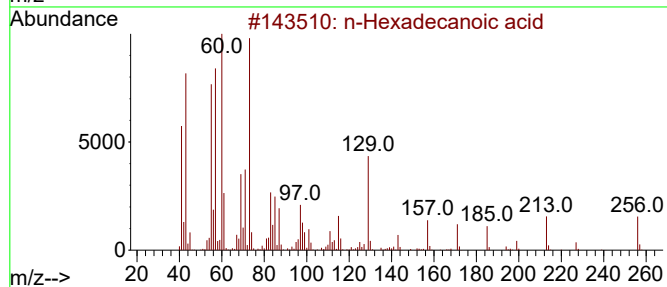
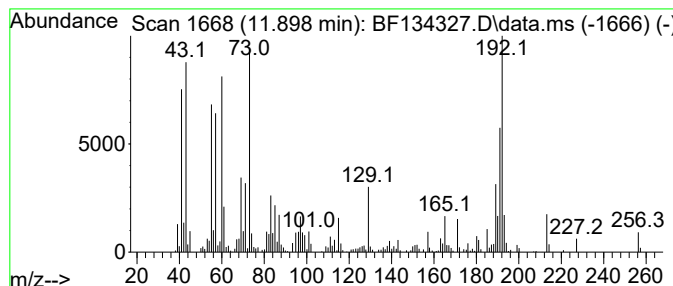
Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD |          | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|----------|-------------|------|
| 11.898    | 13.90 ng                            | 354635 | Phenanthrene-d10 |          | 11.369      |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm  | CAS#        | Qual |
| 1         | n-Hexadecanoic acid                 |        | 256              | C16H32O2 | 000057-10-3 | 97   |
| 2         | 1H-Cyclopropa[1]phenanthrene,1a,... |        | 192              | C15H12   | 000949-41-7 | 92   |
| 3         | Phenanthrene, 2-methyl-             |        | 192              | C15H12   | 002531-84-2 | 92   |
| 4         | Anthracene, 2-methyl-               |        | 192              | C15H12   | 000613-12-7 | 90   |
| 5         | Tridecanoic acid                    |        | 214              | C13H26O2 | 000638-53-9 | 89   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

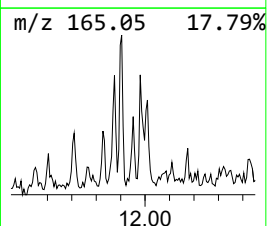
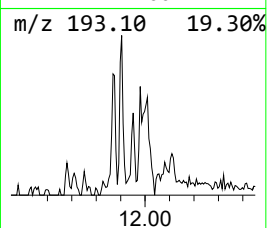
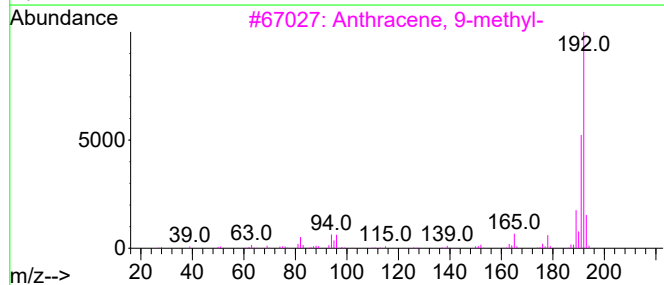
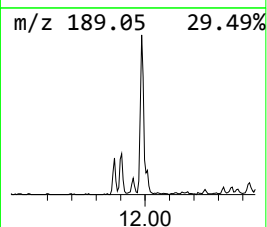
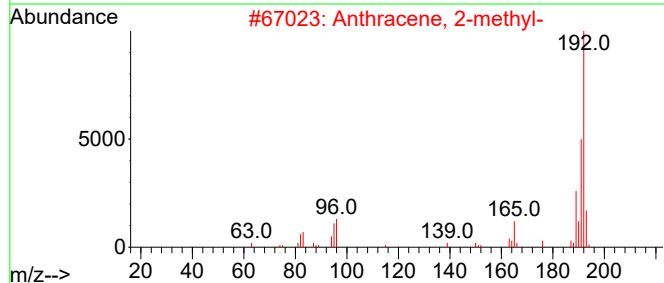
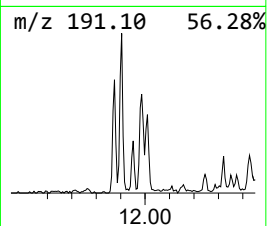
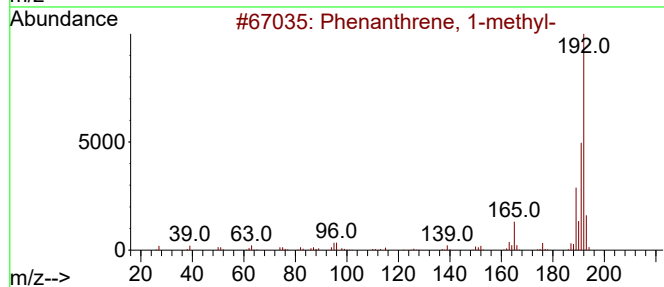
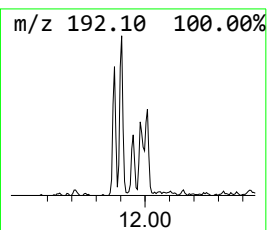
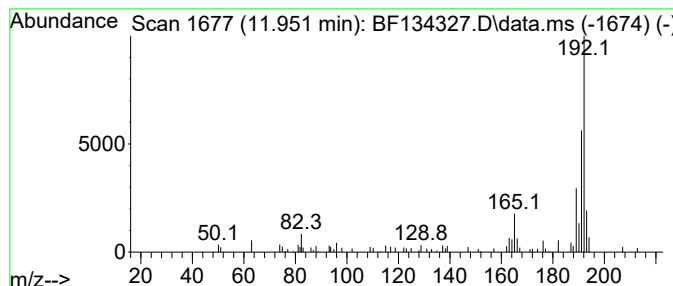
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 13

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.951 | 2.25 ng | 57362 | Phenanthrene-d10 | 11.369 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl-     | 192 | C15H12  | 000832-69-9 | 93   |
| 2    |    |   | Anthracene, 2-methyl-       | 192 | C15H12  | 000613-12-7 | 93   |
| 3    |    |   | Anthracene, 9-methyl-       | 192 | C15H12  | 000779-02-2 | 91   |
| 4    |    |   | Naphtho[2,3-b]norbornadiene | 192 | C15H12  | 107426-38-0 | 91   |
| 5    |    |   | Phenanthrene, 2-methyl-     | 192 | C15H12  | 002531-84-2 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

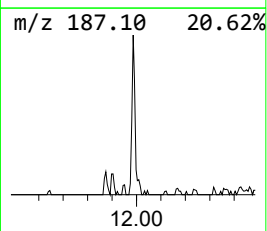
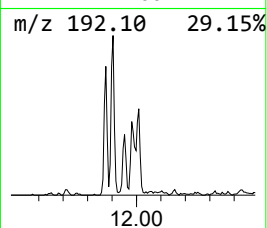
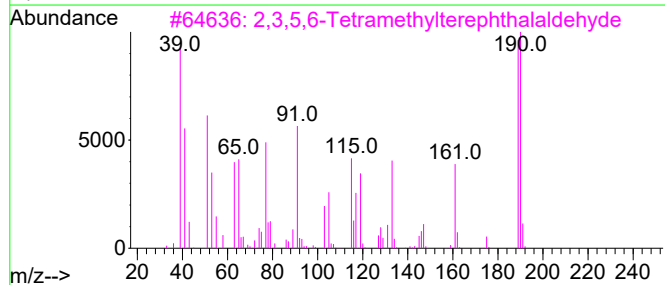
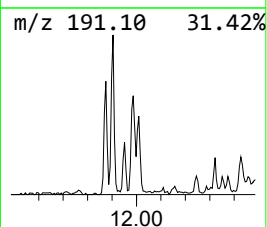
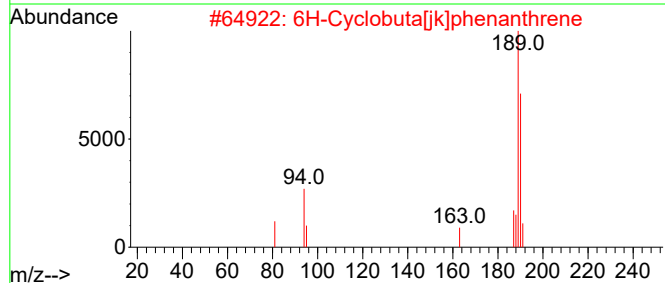
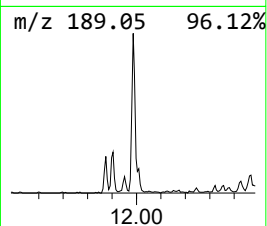
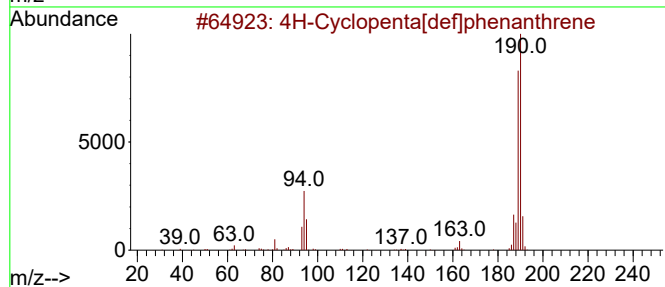
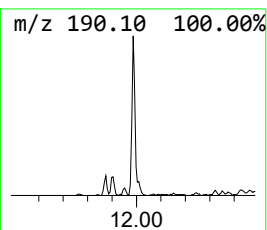
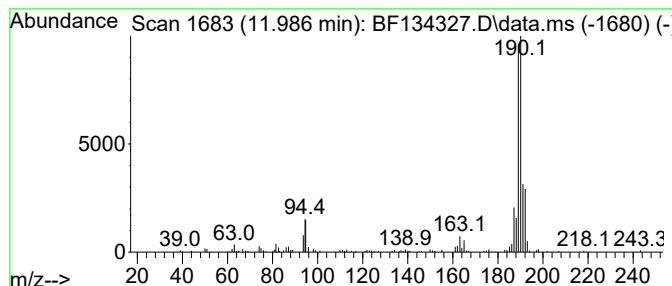
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 11.986    | 6.33 ng                             | 161566 | Phenanthrene-d10 | 11.369      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 4H-Cyclopenta[def]phenanthrene      | 190    | C15H10           | 000203-64-5 | 87   |
| 2         | 6H-Cyclobuta[jk]phenanthrene        | 190    | C15H10           | 083469-43-6 | 64   |
| 3         | 2,3,5,6-Tetramethylterephthalald... | 190    | C12H14O2         | 007072-01-7 | 50   |
| 4         | Pyrazole-4-carboxaldehyde, 3-(4-... | 190    | C10H7FN2O        | 306936-57-2 | 50   |
| 5         | 2,4(1H,3H)-Pyrimidinedione, 5-br... | 190    | C4H3BrN2O2       | 000051-20-7 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

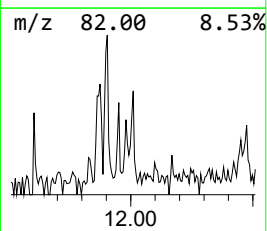
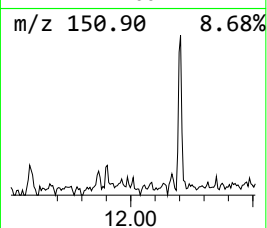
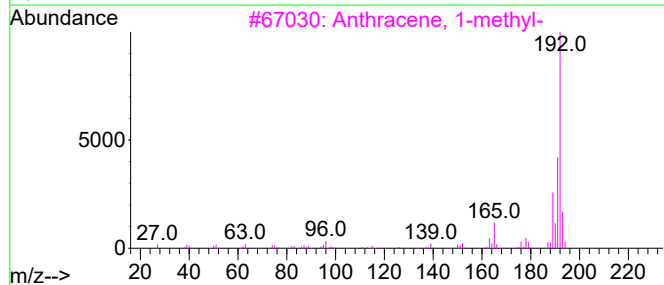
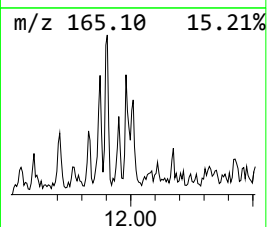
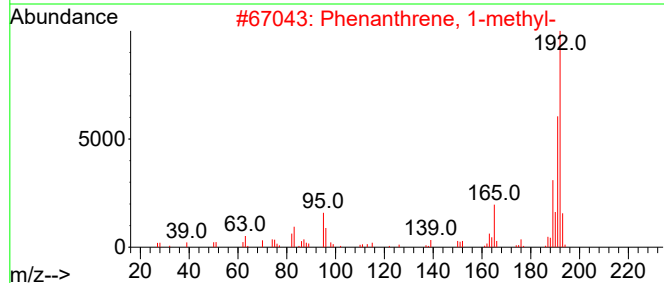
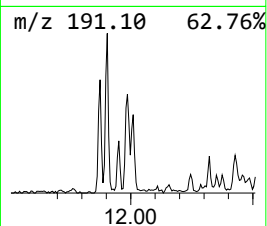
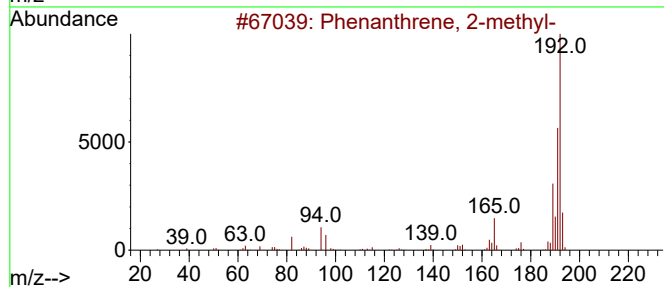
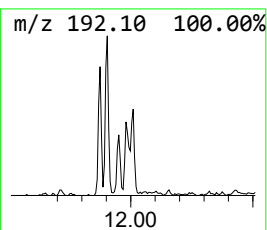
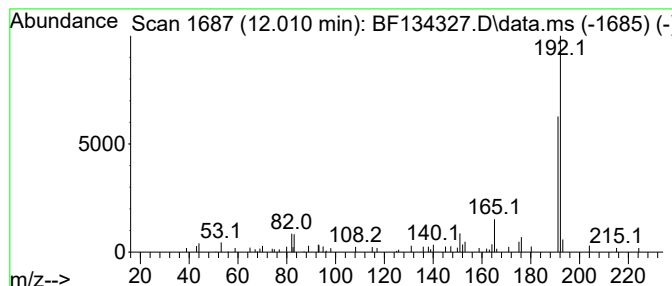
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 19

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.010 | 2.07 ng | 52842 | Phenanthrene-d10 | 11.369 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 86   |
| 2    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 80   |
| 3    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 78   |
| 4    |    |   | 1H-Indene, 2-phenyl-    | 192 | C15H12  | 004505-48-0 | 72   |
| 5    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

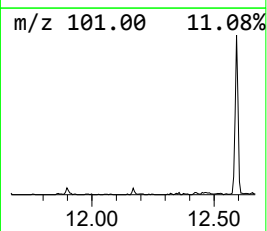
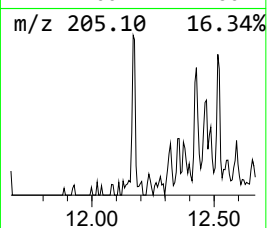
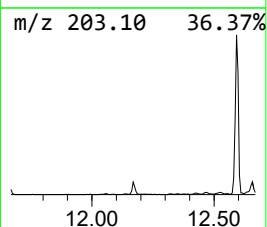
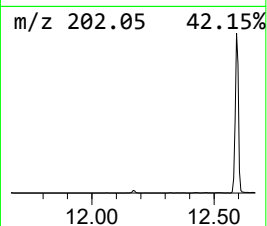
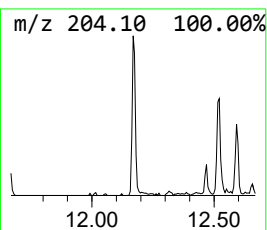
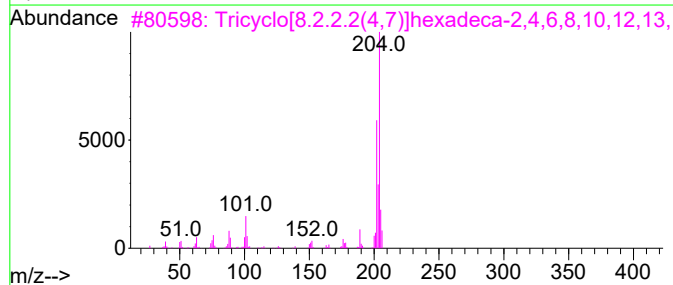
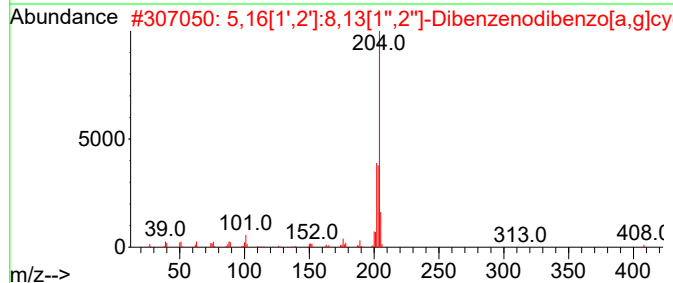
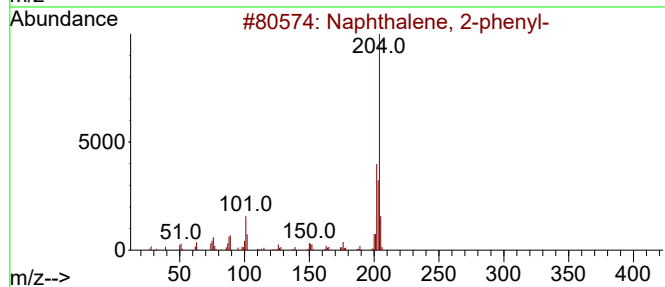
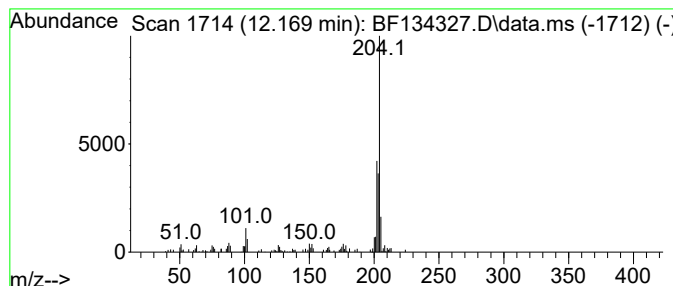
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 18

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.169 | 2.08 ng | 52969 | Phenanthrene-d10 | 11.369 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 86   |
| 2    |    |   | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24    | 005672-97-9 | 86   |
| 3    |    |   | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12    | 006572-60-7 | 58   |
| 4    |    |   | 9,10-Bis(bromomethyl)anthracene     | 362 | C16H12Br2 | 034373-96-1 | 58   |
| 5    |    |   | 1,4-Ethenoanthracene, 1,4-dihydro-  | 204 | C16H12    | 027765-96-4 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

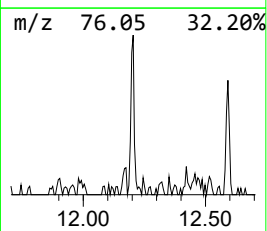
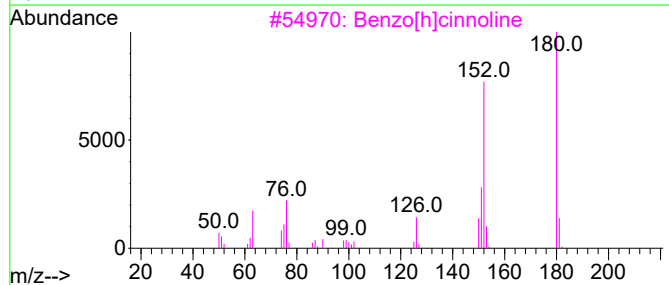
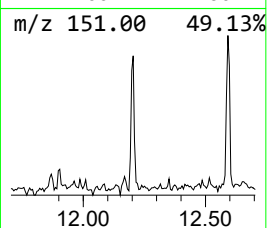
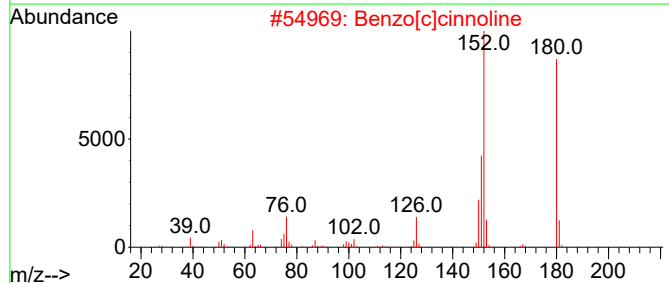
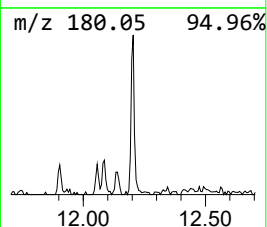
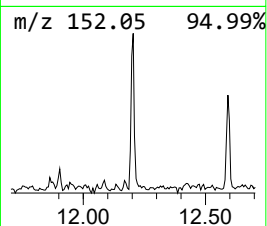
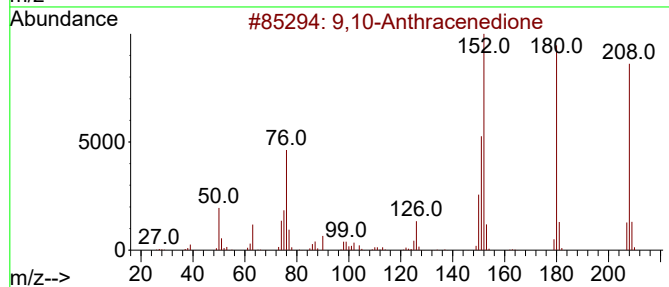
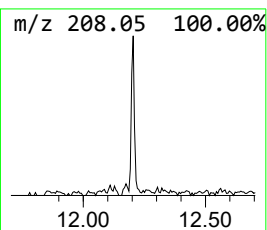
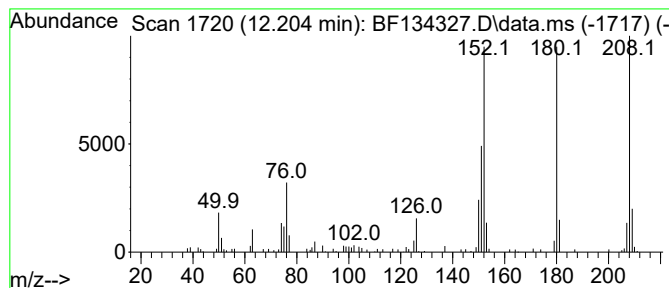
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 9,10-Anthracenedione Concentration Rank 10

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.204 | 2.61 ng | 66590 | Phenanthrene-d10 | 11.369 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 96   |
| 2    |      | Benzo[c]cinnoline    | 180 | C12H8N2 | 000230-17-1 | 96   |
| 3    |      | Benzo[h]cinnoline    | 180 | C12H8N2 | 000230-31-9 | 70   |
| 4    |      | 9H-Fluoren-9-one     | 180 | C13H8O  | 000486-25-9 | 70   |
| 5    |      | 1,4-Anthracenedione  | 208 | C14H8O2 | 000635-12-1 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

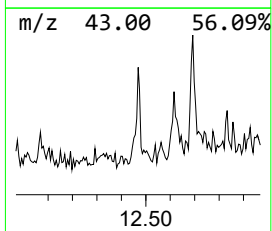
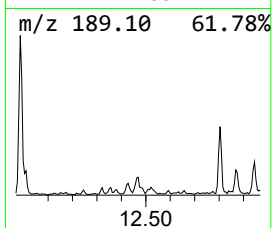
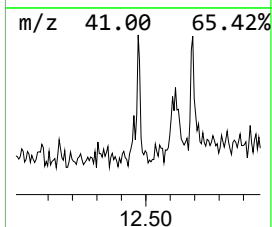
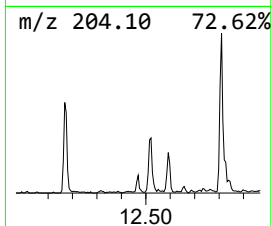
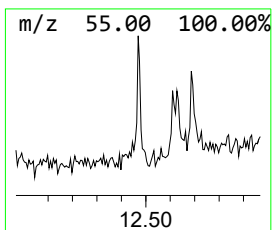
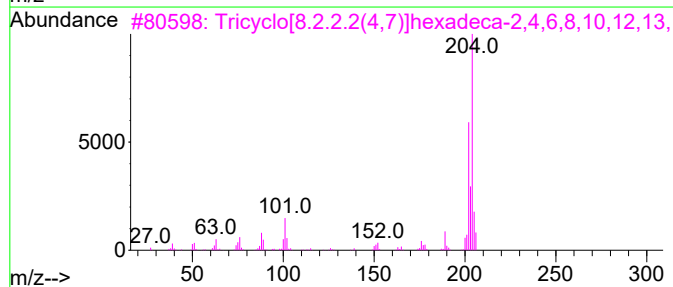
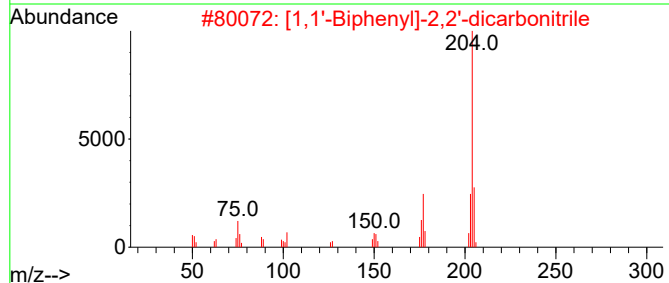
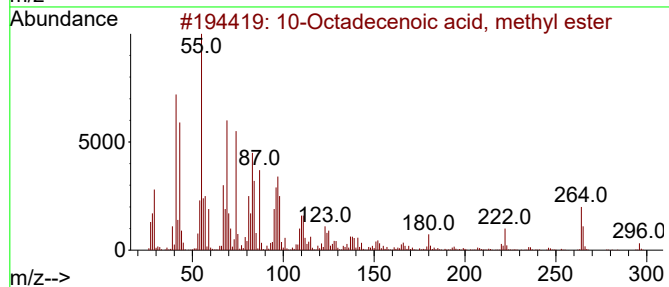
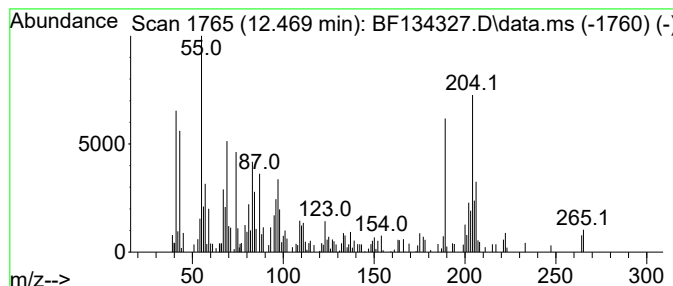
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 unknown12.469 Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.469 | 4.12 ng | 105156 | Phenanthrene-d10 | 11.369 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | 10-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 013481-95-3 | 48   |
| 2    |      | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2  | 004341-02-0 | 38   |
| 3    |      | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12   | 006572-60-7 | 25   |
| 4    |      | 7-Hexadecenoic acid, methyl este... | 268 | C17H32O2 | 056875-67-3 | 25   |
| 5    |      | 13-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-47-3 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

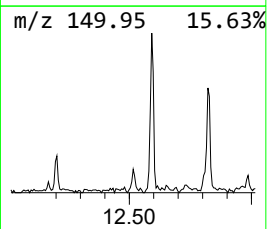
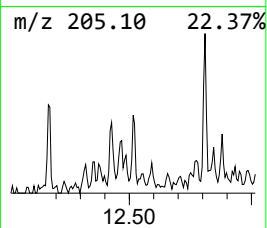
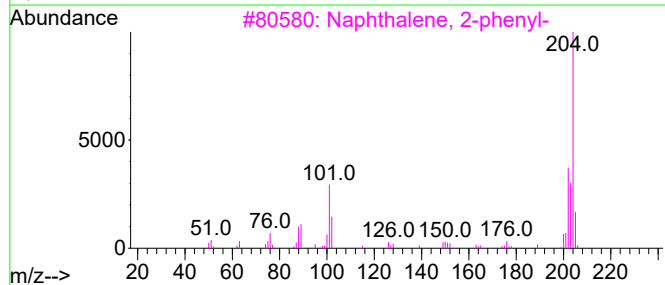
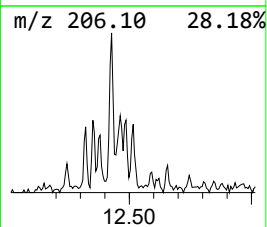
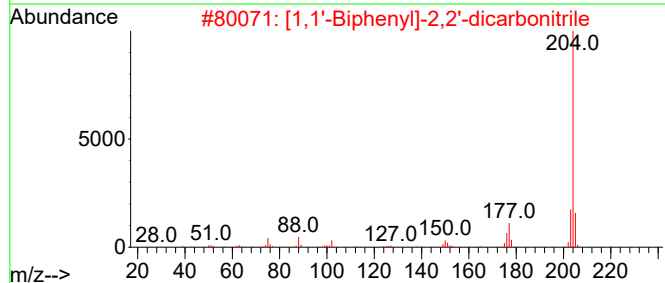
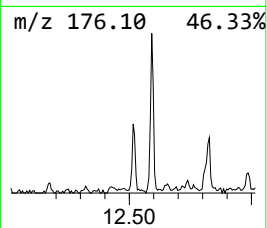
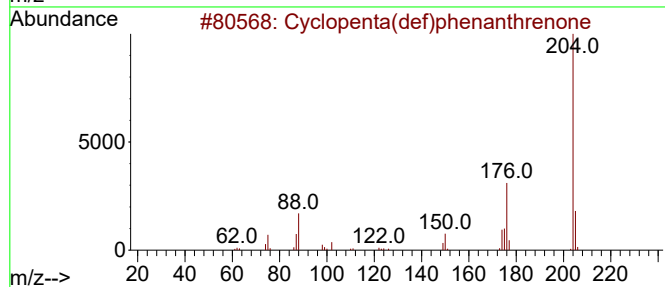
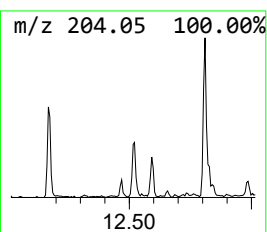
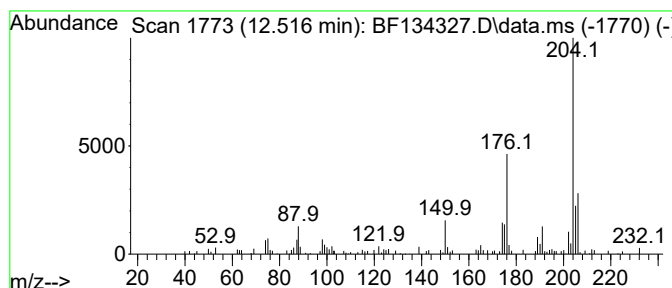
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 15

| R.T.      | EstConc                             | Area  | Relative to ISTD |          |             | R.T.   |
|-----------|-------------------------------------|-------|------------------|----------|-------------|--------|
| 12.516    | 2.17 ng                             | 55256 | Phenanthrene-d10 |          |             | 11.369 |
| Hit# of 5 | Tentative ID                        |       | MW               | MolForm  | CAS#        | Qual   |
| 1         | Cyclopenta(def)phenanthrenone       |       | 204              | C15H8O   | 005737-13-3 | 52     |
| 2         | [1,1'-Biphenyl]-2,2'-dicarbonitrile |       | 204              | C14H8N2  | 004341-02-0 | 43     |
| 3         | Naphthalene, 2-phenyl-              |       | 204              | C16H12   | 000612-94-2 | 38     |
| 4         | 3,4-Biphenyldicarbonitrile          |       | 204              | C14H8N2  | 004128-63-6 | 38     |
| 5         | 2-Chloro-4-phenylphenol             |       | 204              | C12H9ClO | 000092-04-6 | 38     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

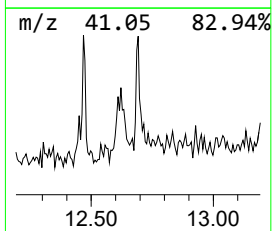
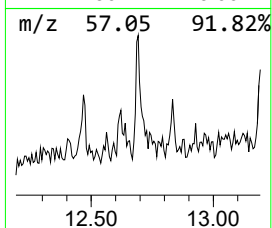
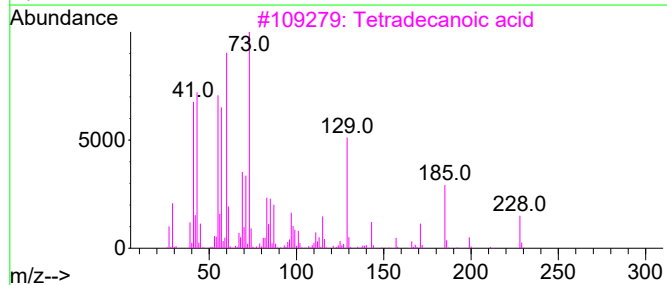
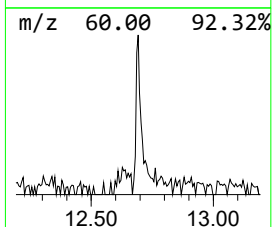
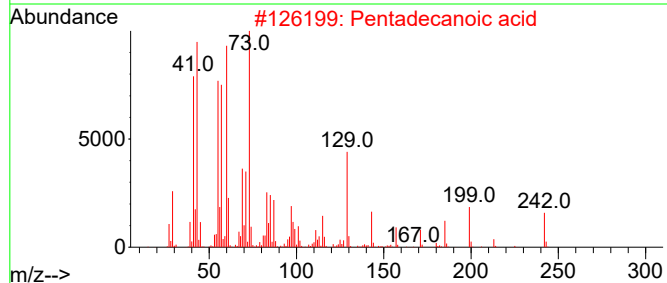
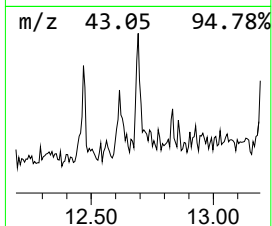
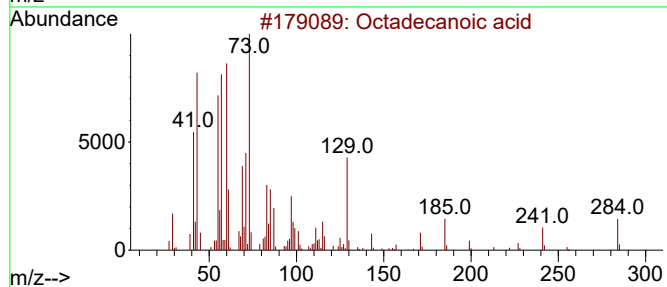
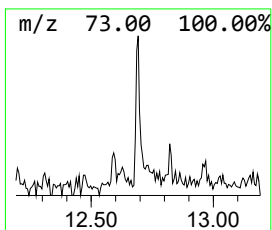
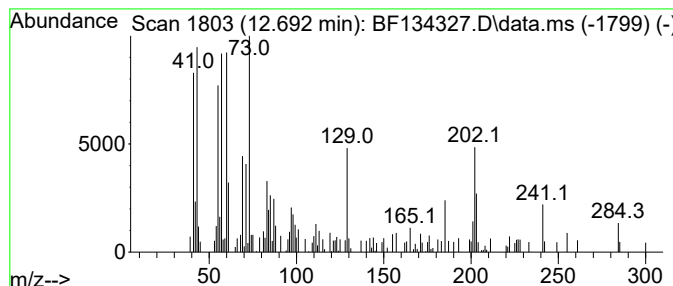
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Octadecanoic acid Concentration Rank 16

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.692 | 2.15 ng | 54748 | Phenanthrene-d10 | 11.369 |

| Hit# | of 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|------|---------------------|-----|----------|-------------|------|
| 1    |      | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 98   |
| 2    |      | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 90   |
| 3    |      | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 4    |      | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 45   |
| 5    |      | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

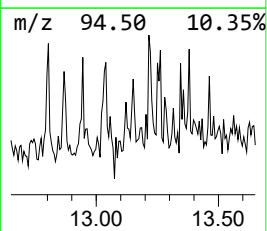
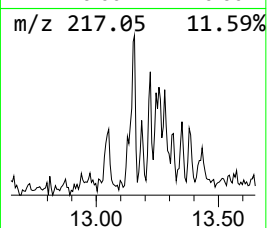
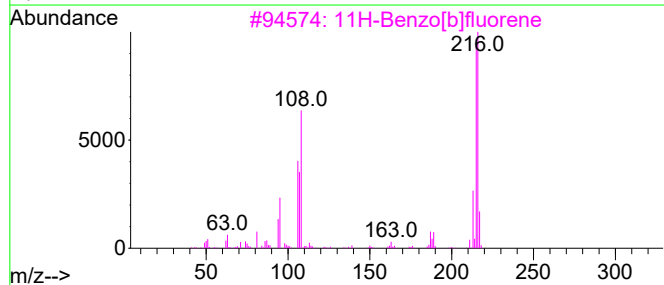
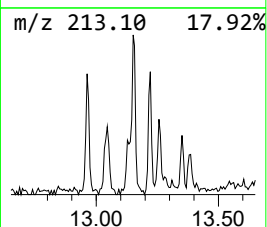
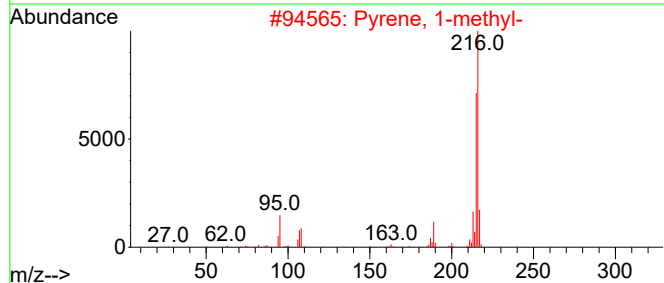
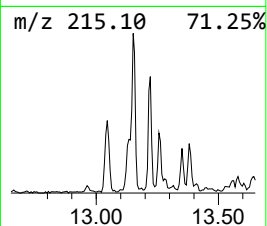
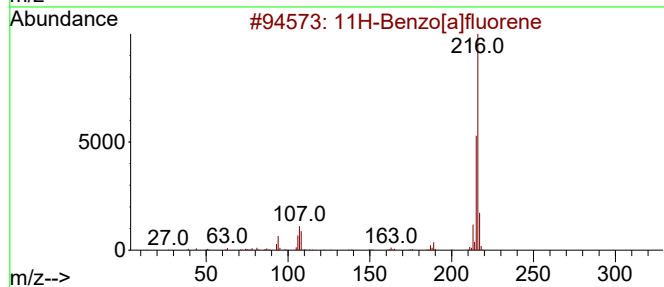
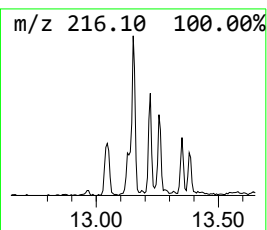
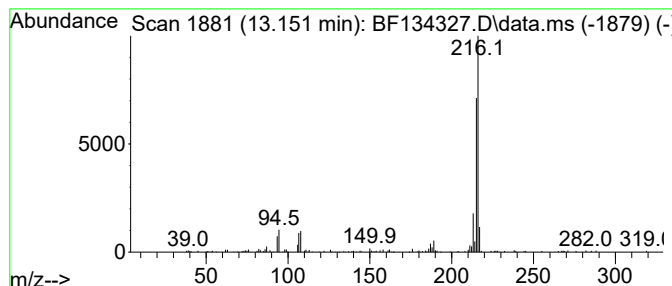
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.151 | 2.26 ng | 104950 | Chrysene-d12     | 14.033 |

| 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 | 87   |
| 3    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 87   |
| 4    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 74   |
| 5    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

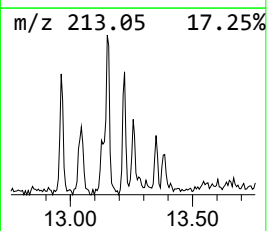
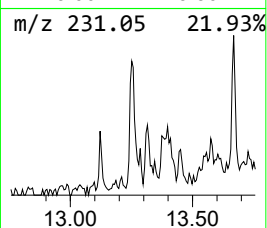
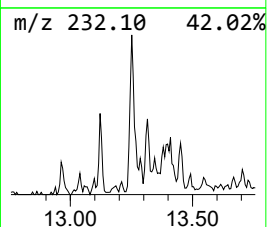
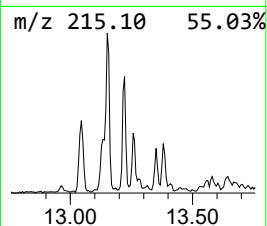
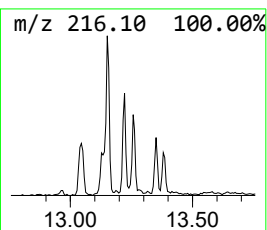
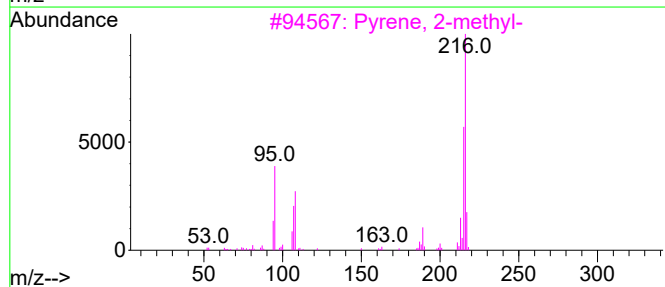
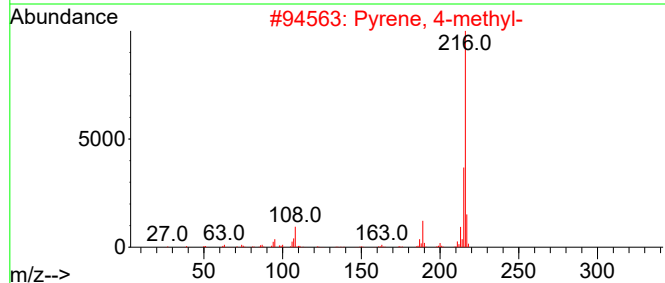
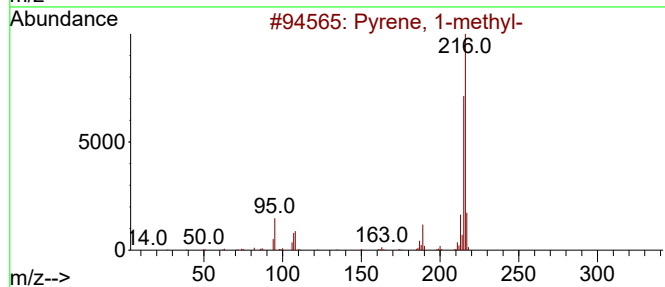
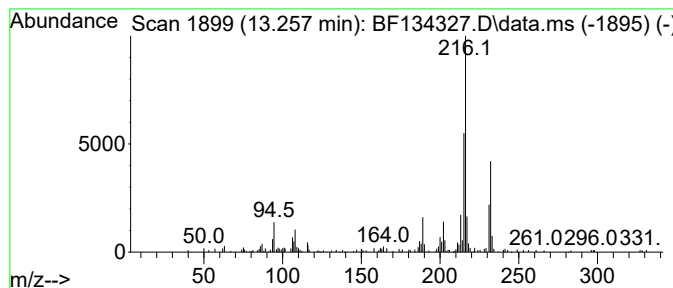
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 17

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 13.257 | 2.14 ng | 99110 | Chrysene-d12     | 14.033 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 91   |
| 2    |    |   | Pyrene, 4-methyl-       | 216 | C17H12  | 003353-12-6 | 91   |
| 3    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 83   |
| 4    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 60   |
| 5    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

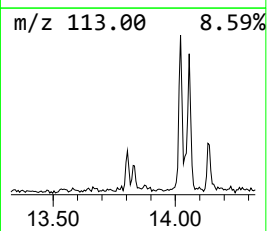
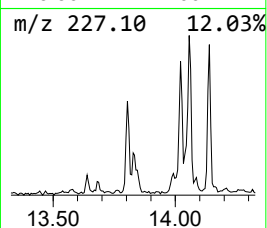
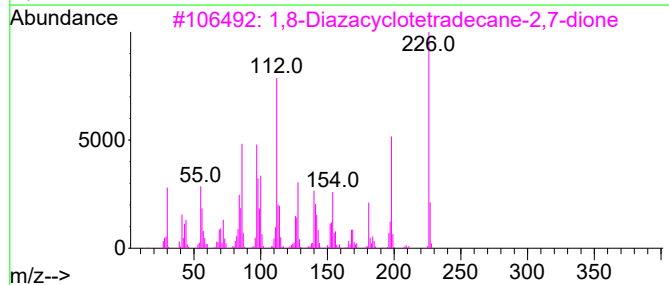
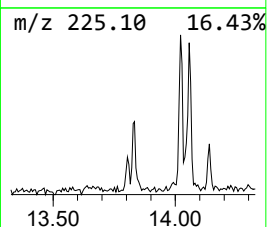
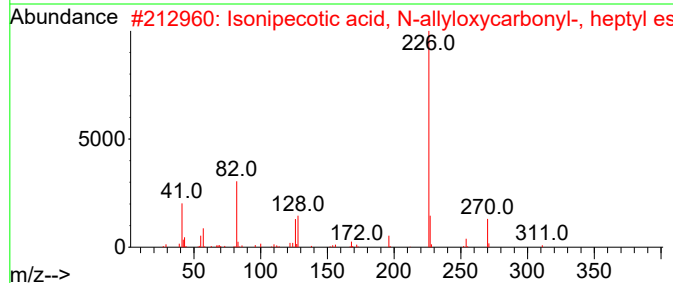
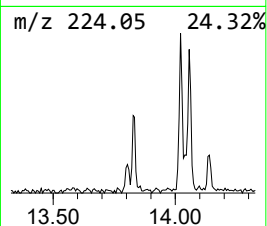
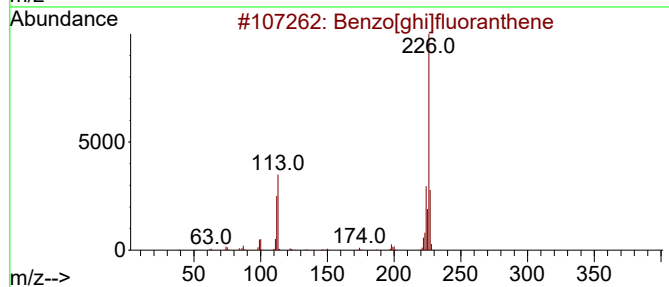
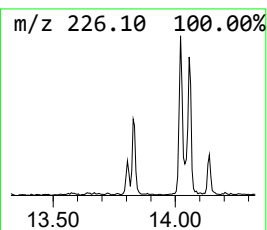
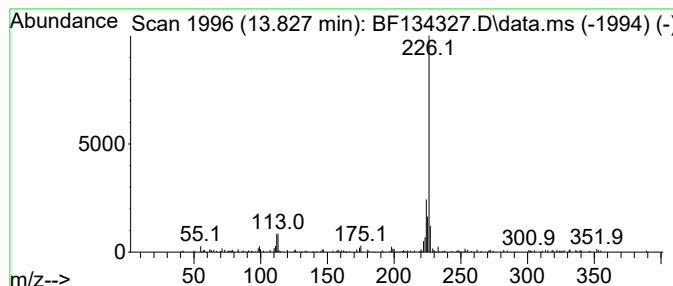
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 15 Benzo[ghi]fluoranthene Concentration Rank 12

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.827 | 2.26 ng | 104717 | Chrysene-d12     | 14.033 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Benzo[ghi]fluoranthene              | 226 | C18H10     | 000203-12-3  | 53   |
| 2    |    |   | Isonipecotic acid, N-allyloxycar... | 311 | C17H29NO4  | 1000321-99-4 | 50   |
| 3    |    |   | 1,8-Diazacyclotetradecane-2,7-dione | 226 | C12H22N2O2 | 004266-66-4  | 50   |
| 4    |    |   | 3H-Spiro[1,3-benzothiazole-2,3'-... | 254 | C14H10N2OS | 120105-59-1  | 45   |
| 5    |    |   | 1-Piperidineacetonitrile, .alpha... | 226 | C15H18N2   | 022915-20-4  | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

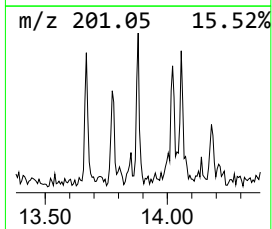
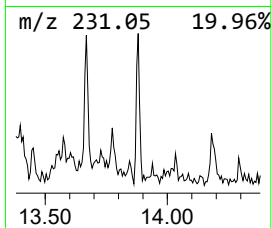
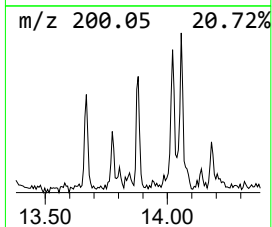
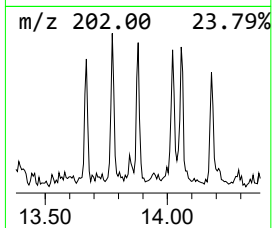
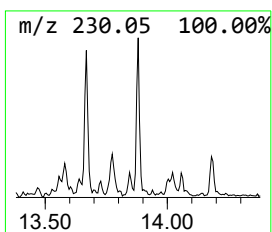
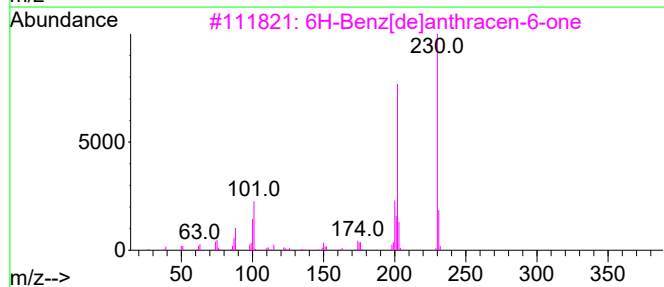
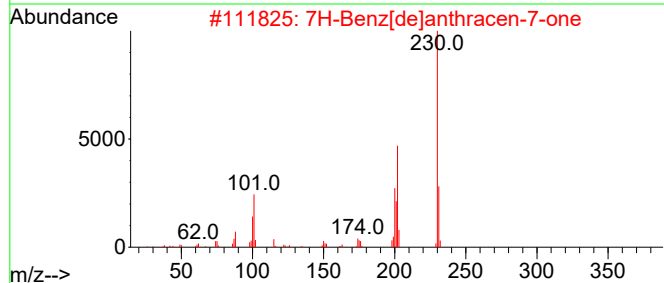
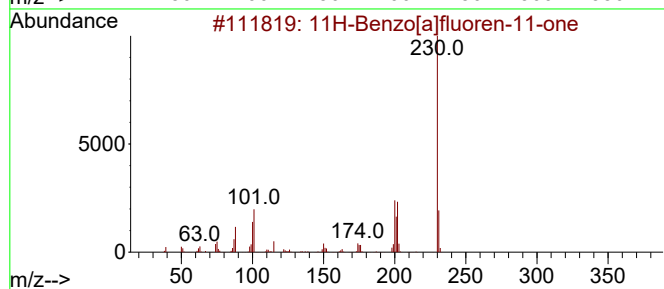
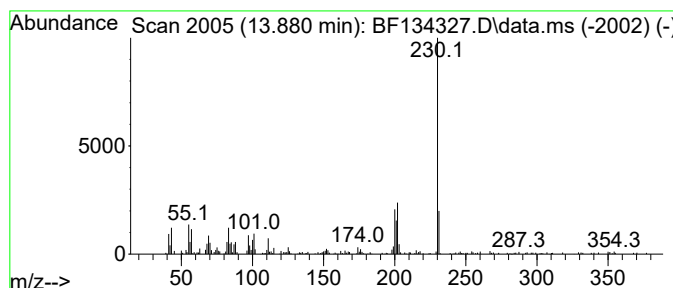
Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 9

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 13.880    | 3.65 ng                    | 169498 | Chrysene-d12     | 14.033      |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | 11H-Benzo[a]fluoren-11-one | 230    | C17H10O          | 000479-79-8 | 94   |
| 2         | 7H-Benz[de]anthracen-7-one | 230    | C17H10O          | 000082-05-3 | 87   |
| 3         | 6H-Benz[de]anthracen-6-one | 230    | C17H10O          | 080252-14-8 | 64   |
| 4         | o-Terphenyl                | 230    | C18H14           | 000084-15-1 | 53   |
| 5         | 1-Pyrenecarboxaldehyde     | 230    | C17H10O          | 003029-19-4 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

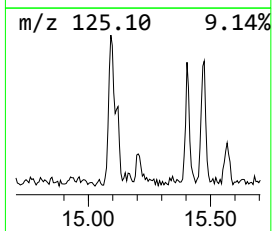
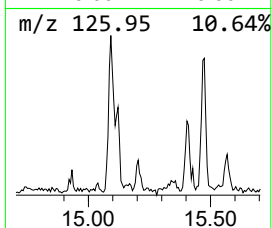
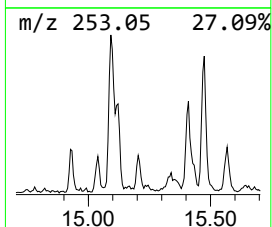
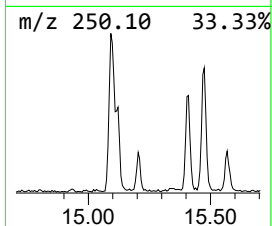
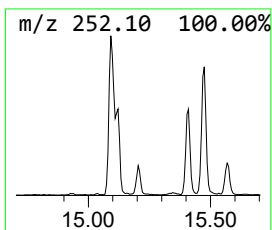
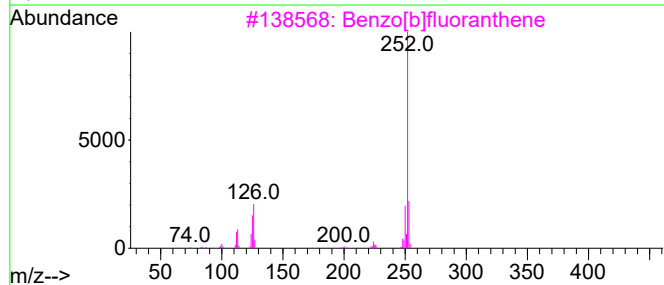
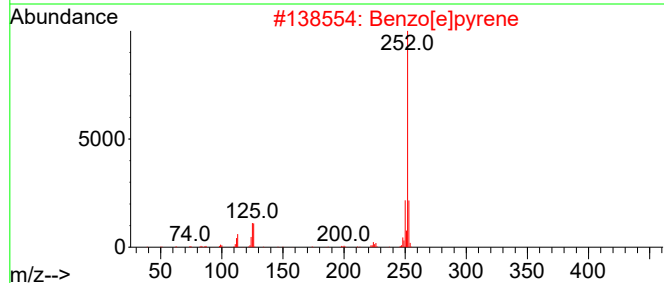
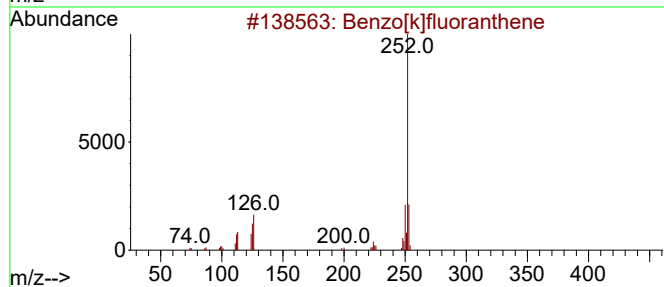
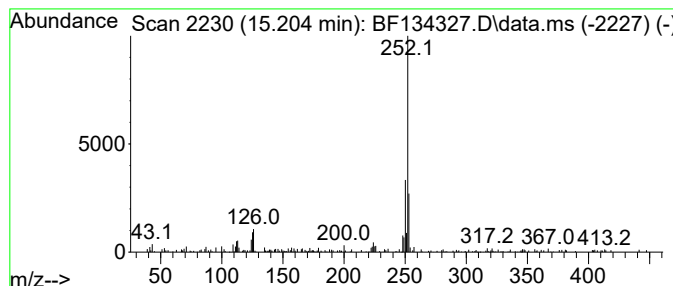
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 17 Benzo[e]pyrene Concentration Rank 6

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.204 | 6.17 ng | 87173 | Perylene-d12     | 15.539 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 95   |
| 2    |      | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 93   |
| 3    |      | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 81   |
| 4    |      | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 76   |
| 5    |      | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

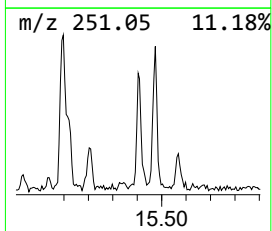
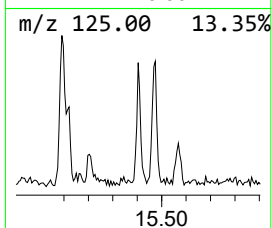
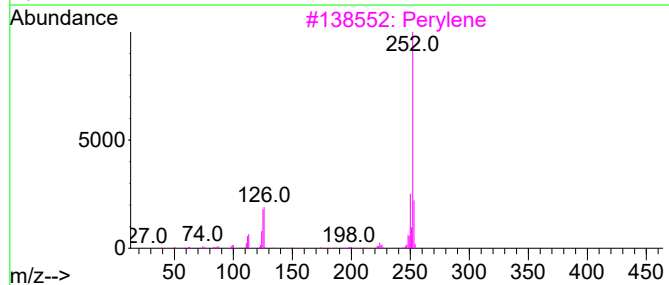
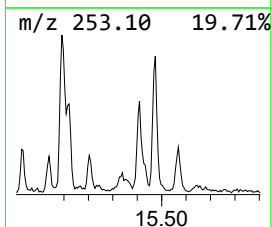
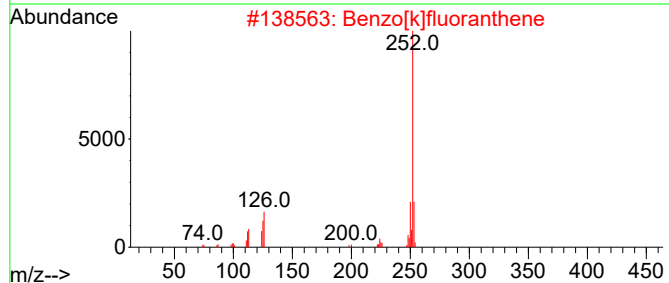
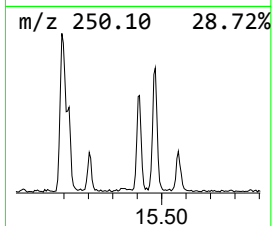
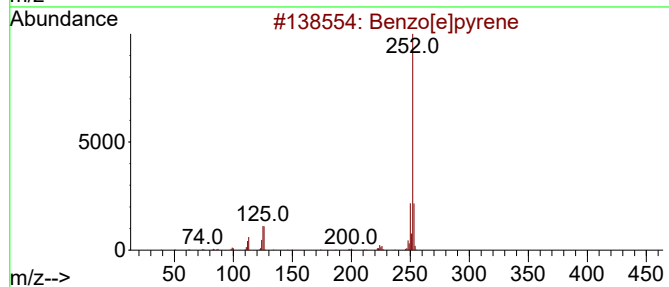
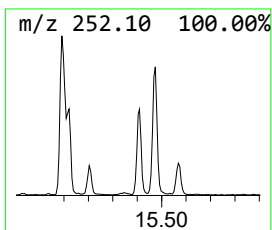
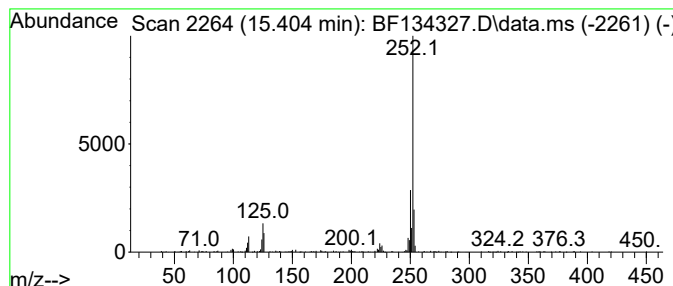
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 18 Perylene Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.404 | 14.81 ng | 209449 | Perylene-d12     | 15.539 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 97   |
| 2    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 97   |
| 3    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 93   |
| 4    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 92   |
| 5    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

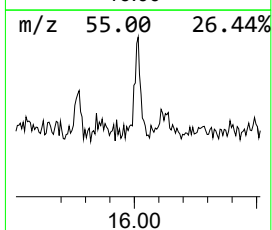
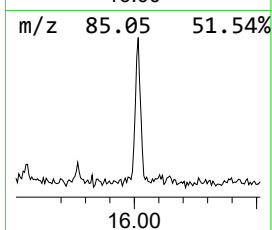
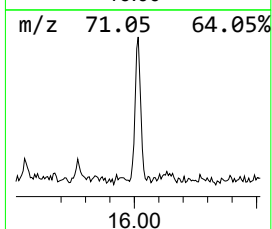
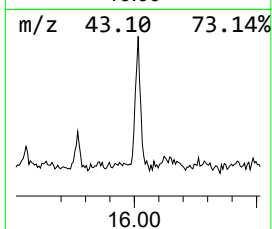
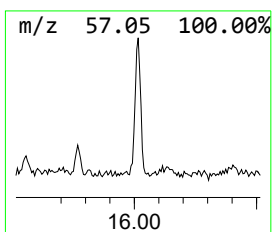
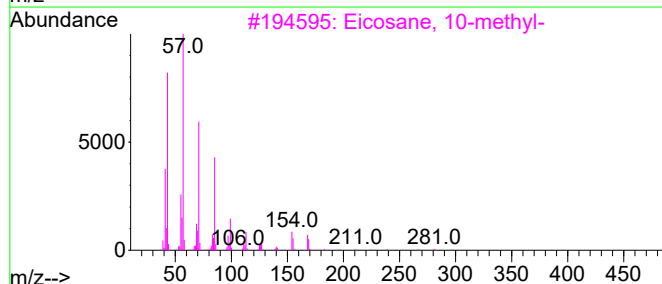
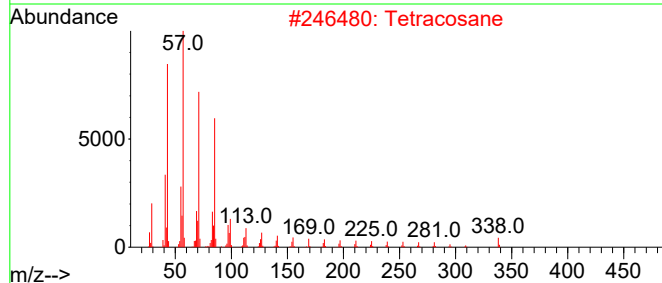
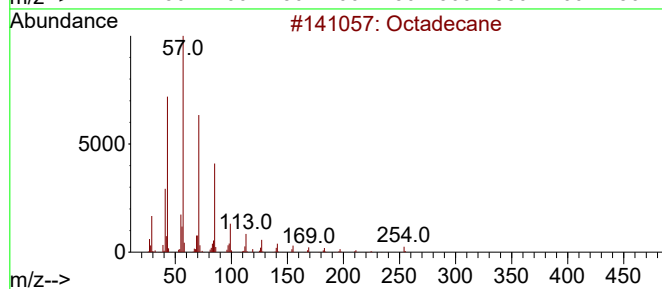
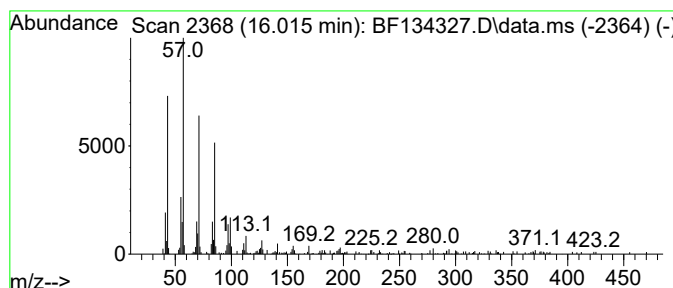
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 Octadecane Concentration Rank 4

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 16.015 | 12.58 ng | 177863 | Perylene-d12     | 15.539 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | Octadecane              | 254 | C18H38  | 000593-45-3 | 94   |
| 2    |      | Tetracosane             | 338 | C24H50  | 000646-31-1 | 93   |
| 3    |      | Eicosane, 10-methyl-    | 296 | C21H44  | 054833-23-7 | 91   |
| 4    |      | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 90   |
| 5    |      | Hexadecane, 1-iodo-     | 352 | C16H33I | 000544-77-4 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071723\  
Data File : BF134327.D  
Acq On : 17 Jul 2023 21:31  
Operator : CG\JU  
Sample : 03597-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-43-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.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 |
| Ethanol, 2-(2-e... | 6.669  | 2.2     | ng    | 47846    | 1                     | 6.840  | 436920 | 20.0 |
| 2,4,7,9-Tetrame... | 9.310  | 13.1    | ng    | 335555   | 3                     | 9.875  | 512114 | 20.0 |
| Phenanthrene, 2... | 11.874 | 6.1     | ng    | 155901   | 4                     | 11.369 | 510293 | 20.0 |
| n-Hexadecanoic ... | 11.898 | 13.9    | ng    | 354635   | 4                     | 11.369 | 510293 | 20.0 |
| Phenanthrene, 1... | 11.951 | 2.3     | ng    | 57362    | 4                     | 11.369 | 510293 | 20.0 |
| 4H-Cyclopenta[d... | 11.986 | 6.3     | ng    | 161566   | 4                     | 11.369 | 510293 | 20.0 |
| Anthracene, 1-m... | 12.010 | 2.1     | ng    | 52842    | 4                     | 11.369 | 510293 | 20.0 |
| Naphthalene, 2-... | 12.169 | 2.1     | ng    | 52969    | 4                     | 11.369 | 510293 | 20.0 |
| 9,10-Anthracene... | 12.204 | 2.6     | ng    | 66590    | 4                     | 11.369 | 510293 | 20.0 |
| unknown12.469      | 12.469 | 4.1     | ng    | 105156   | 4                     | 11.369 | 510293 | 20.0 |
| Cyclopenta(def)... | 12.516 | 2.2     | ng    | 55256    | 4                     | 11.369 | 510293 | 20.0 |
| Octadecanoic acid  | 12.692 | 2.1     | ng    | 54748    | 4                     | 11.369 | 510293 | 20.0 |
| 11H-Benzo[a]flu... | 13.151 | 2.3     | ng    | 104950   | 5                     | 14.033 | 927986 | 20.0 |
| Pyrene, 1-methyl-  | 13.257 | 2.1     | ng    | 99110    | 5                     | 14.033 | 927986 | 20.0 |
| Benzo[ghi]fluor... | 13.827 | 2.3     | ng    | 104717   | 5                     | 14.033 | 927986 | 20.0 |
| 11H-Benzo[a]flu... | 13.880 | 3.6     | ng    | 169498   | 5                     | 14.033 | 927986 | 20.0 |
| Benzo[e]pyrene     | 15.204 | 6.2     | ng    | 87173    | 6                     | 15.539 | 282766 | 20.0 |
| Perylene           | 15.404 | 14.8    | ng    | 209449   | 6                     | 15.539 | 282766 | 20.0 |
| Octadecane         | 16.015 | 12.6    | ng    | 177863   | 6                     | 15.539 | 282766 | 20.0 |