

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122623\  
 Data File : BF136735.D  
 Acq On : 26 Dec 2023 23:38  
 Operator : CG\JU  
 Sample : 05598-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 347

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-BF122023.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136735.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         | 5.022       | 495           | 499         | 504          | rVB      | 66084          | 76644         | 4.61%           | 0.484%        |
| 2         | 5.428       | 564           | 568         | 571          | rBV      | 1439160        | 1259056       | 75.66%          | 7.954%        |
| 3         | 6.428       | 734           | 738         | 741          | rBV      | 1454748        | 1449594       | 87.11%          | 9.158%        |
| 4         | 6.781       | 795           | 798         | 802          | rBV      | 613129         | 482742        | 29.01%          | 3.050%        |
| 5         | 7.345       | 889           | 894         | 897          | rBV      | 1078737        | 955111        | 57.40%          | 6.034%        |
| 6         | 8.057       | 1011          | 1015        | 1018         | rBV      | 765459         | 609272        | 36.61%          | 3.849%        |
| 7         | 8.081       | 1018          | 1019        | 1024         | rVB      | 42235          | 21915         | 1.32%           | 0.138%        |
| 8         | 9.139       | 1194          | 1199        | 1202         | rBV      | 1866270        | 1664094       | 100.00%         | 10.513%       |
| 9         | 9.216       | 1208          | 1212        | 1214         | rBV      | 26714          | 19622         | 1.18%           | 0.124%        |
| 10        | 9.251       | 1214          | 1218        | 1222         | rVB2     | 15112          | 17902         | 1.08%           | 0.113%        |
| 11        | 9.475       | 1252          | 1256        | 1258         | rBV      | 17552          | 18089         | 1.09%           | 0.114%        |
| 12        | 9.675       | 1287          | 1290        | 1294         | rBV      | 38578          | 30665         | 1.84%           | 0.194%        |
| 13        | 9.816       | 1310          | 1314        | 1317         | rBV      | 733877         | 583910        | 35.09%          | 3.689%        |
| 14        | 9.845       | 1317          | 1319        | 1324         | rVB      | 35103          | 29803         | 1.79%           | 0.188%        |
| 15        | 10.022      | 1344          | 1349        | 1353         | rBV2     | 27360          | 29926         | 1.80%           | 0.189%        |
| 16        | 10.363      | 1404          | 1407        | 1412         | rVB      | 46659          | 42329         | 2.54%           | 0.267%        |
| 17        | 10.604      | 1445          | 1448        | 1459         | rVB      | 575347         | 520338        | 31.27%          | 3.287%        |
| 18        | 10.722      | 1465          | 1468        | 1477         | rVB5     | 30053          | 51035         | 3.07%           | 0.322%        |
| 19        | 10.916      | 1497          | 1501        | 1503         | rBV2     | 17107          | 19177         | 1.15%           | 0.121%        |
| 20        | 11.110      | 1531          | 1534        | 1538         | rVB      | 23728          | 22065         | 1.33%           | 0.139%        |
| 21        | 11.175      | 1538          | 1545        | 1547         | rBV3     | 26193          | 41563         | 2.50%           | 0.263%        |
| 22        | 11.204      | 1547          | 1550        | 1556         | rVB      | 37758          | 43040         | 2.59%           | 0.272%        |
| 23        | 11.304      | 1564          | 1567        | 1569         | rBV      | 577399         | 493255        | 29.64%          | 3.116%        |
| 24        | 11.327      | 1569          | 1571        | 1575         | rVV      | 448964         | 382571        | 22.99%          | 2.417%        |
| 25        | 11.380      | 1575          | 1580        | 1584         | rVB      | 83593          | 77929         | 4.68%           | 0.492%        |
| 26        | 11.539      | 1601          | 1607        | 1613         | rBV      | 29973          | 50371         | 3.03%           | 0.318%        |
| 27        | 11.604      | 1616          | 1618        | 1621         | rVV      | 31982          | 30214         | 1.82%           | 0.191%        |
| 28        | 11.639      | 1621          | 1624        | 1629         | rVB3     | 16719          | 23333         | 1.40%           | 0.147%        |
| 29        | 11.769      | 1643          | 1646        | 1649         | rBV5     | 15896          | 18613         | 1.12%           | 0.118%        |
| 30        | 11.810      | 1650          | 1653        | 1655         | rVV      | 68609          | 58403         | 3.51%           | 0.369%        |
| 31        | 11.839      | 1655          | 1658        | 1664         | rVV      | 250308         | 240680        | 14.46%          | 1.520%        |
| 32        | 11.922      | 1668          | 1672        | 1674         | rVV      | 97486          | 101467        | 6.10%           | 0.641%        |
| 33        | 11.945      | 1674          | 1676        | 1680         | rVB      | 51246          | 41661         | 2.50%           | 0.263%        |
| 34        | 12.110      | 1700          | 1704        | 1706         | rBV      | 40135          | 37173         | 2.23%           | 0.235%        |
| 35        | 12.133      | 1706          | 1708        | 1711         | rVB      | 55074          | 44792         | 2.69%           | 0.283%        |
| 36        | 12.286      | 1732          | 1734        | 1737         | rBV3     | 17801          | 19841         | 1.19%           | 0.125%        |

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 Sample : 05598-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 347

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-BF122023.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 12.363 | 1744 | 1747 | 1749 | rBV  | 41419   | 41551   | 2.50%  | 0.262% |
| 38 | 12.404 | 1751 | 1754 | 1756 | rVV2 | 31888   | 33266   | 2.00%  | 0.210% |
| 39 | 12.451 | 1759 | 1762 | 1770 | rVB  | 40220   | 45249   | 2.72%  | 0.286% |
| 40 | 12.527 | 1771 | 1775 | 1778 | rBV  | 710548  | 594547  | 35.73% | 3.756% |
| 41 | 12.627 | 1788 | 1792 | 1796 | rBV2 | 47405   | 75277   | 4.52%  | 0.476% |
| 42 | 12.674 | 1798 | 1800 | 1804 | rVV2 | 31010   | 38053   | 2.29%  | 0.240% |
| 43 | 12.757 | 1808 | 1814 | 1817 | rVV  | 547979  | 545930  | 32.81% | 3.449% |
| 44 | 12.804 | 1820 | 1822 | 1827 | rVB3 | 32425   | 38786   | 2.33%  | 0.245% |
| 45 | 12.874 | 1831 | 1834 | 1835 | rBV  | 28242   | 25548   | 1.54%  | 0.161% |
| 46 | 12.904 | 1835 | 1839 | 1842 | rVV  | 1397457 | 1189856 | 71.50% | 7.517% |
| 47 | 12.980 | 1846 | 1852 | 1855 | rBV2 | 42101   | 69964   | 4.20%  | 0.442% |
| 48 | 13.063 | 1863 | 1866 | 1867 | rBV2 | 31057   | 30900   | 1.86%  | 0.195% |
| 49 | 13.086 | 1867 | 1870 | 1872 | rVB2 | 74807   | 70004   | 4.21%  | 0.442% |
| 50 | 13.151 | 1876 | 1881 | 1884 | rBV2 | 49619   | 65390   | 3.93%  | 0.413% |
| 51 | 13.192 | 1885 | 1888 | 1891 | rVV2 | 52334   | 51875   | 3.12%  | 0.328% |
| 52 | 13.257 | 1895 | 1899 | 1901 | rBV5 | 20974   | 31827   | 1.91%  | 0.201% |
| 53 | 13.280 | 1901 | 1903 | 1906 | rVB  | 32435   | 26751   | 1.61%  | 0.169% |
| 54 | 13.310 | 1906 | 1908 | 1911 | rBV  | 26285   | 24221   | 1.46%  | 0.153% |
| 55 | 13.598 | 1954 | 1957 | 1962 | rBV  | 67216   | 68357   | 4.11%  | 0.432% |
| 56 | 13.710 | 1973 | 1976 | 1978 | rBV2 | 55974   | 52201   | 3.14%  | 0.330% |
| 57 | 13.733 | 1978 | 1980 | 1982 | rVV  | 39165   | 26440   | 1.59%  | 0.167% |
| 58 | 13.757 | 1982 | 1984 | 1986 | rBV  | 25507   | 18542   | 1.11%  | 0.117% |
| 59 | 13.810 | 1990 | 1993 | 1995 | rVB2 | 66828   | 59754   | 3.59%  | 0.377% |
| 60 | 13.845 | 1995 | 1999 | 2002 | rBV6 | 35340   | 57266   | 3.44%  | 0.362% |
| 61 | 13.963 | 2013 | 2019 | 2021 | rBV2 | 611224  | 805267  | 48.39% | 5.087% |
| 62 | 13.986 | 2021 | 2023 | 2026 | rVB  | 283345  | 224823  | 13.51% | 1.420% |
| 63 | 14.068 | 2035 | 2037 | 2039 | rVB  | 40422   | 31953   | 1.92%  | 0.202% |
| 64 | 14.351 | 2083 | 2085 | 2088 | rVB  | 56267   | 48060   | 2.89%  | 0.304% |
| 65 | 14.439 | 2098 | 2100 | 2103 | rBV3 | 37890   | 40698   | 2.45%  | 0.257% |
| 66 | 14.598 | 2124 | 2127 | 2132 | rBV2 | 97329   | 114796  | 6.90%  | 0.725% |
| 67 | 15.010 | 2193 | 2197 | 2200 | rBV  | 221907  | 314873  | 18.92% | 1.989% |
| 68 | 15.092 | 2207 | 2211 | 2214 | rBV  | 258211  | 270940  | 16.28% | 1.712% |
| 69 | 15.315 | 2245 | 2249 | 2255 | rBV  | 116016  | 151811  | 9.12%  | 0.959% |
| 70 | 15.380 | 2256 | 2260 | 2265 | rVB  | 165463  | 210572  | 12.65% | 1.330% |
| 71 | 15.445 | 2266 | 2271 | 2274 | rBV  | 306874  | 386720  | 23.24% | 2.443% |
| 72 | 15.474 | 2274 | 2276 | 2285 | rVB4 | 64620   | 89841   | 5.40%  | 0.568% |
| 73 | 15.927 | 2350 | 2353 | 2357 | rVB2 | 47285   | 62757   | 3.77%  | 0.396% |
| 74 | 16.933 | 2519 | 2524 | 2533 | rVB2 | 58223   | 115984  | 6.97%  | 0.733% |
| 75 | 17.392 | 2597 | 2602 | 2607 | rBV2 | 37686   | 70487   | 4.24%  | 0.445% |

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Sample : 05598-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
347

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-BF122023.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 15829332



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122623\  
Data File : BF136735.D  
Acq On : 26 Dec 2023 23:38  
Operator : CG\JU  
Sample : 05598-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
347

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

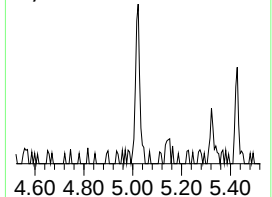
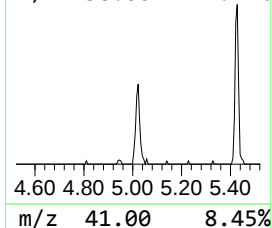
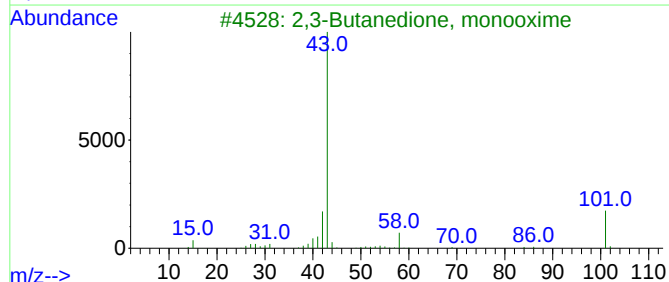
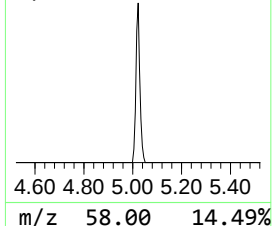
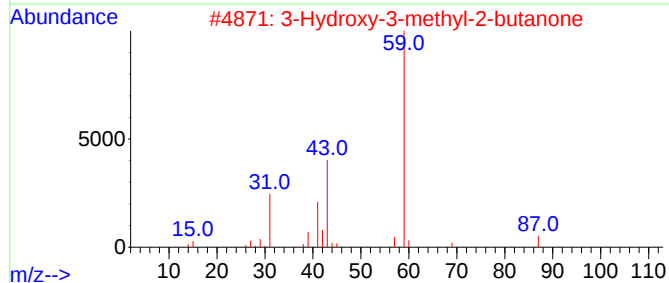
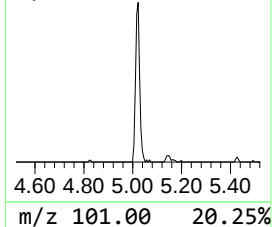
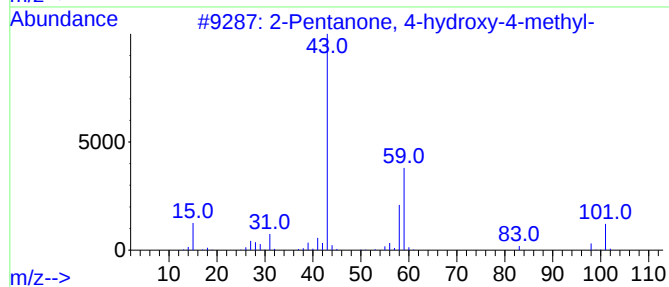
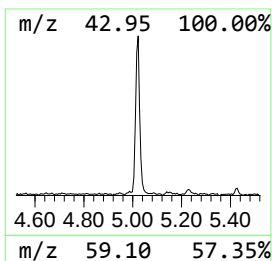
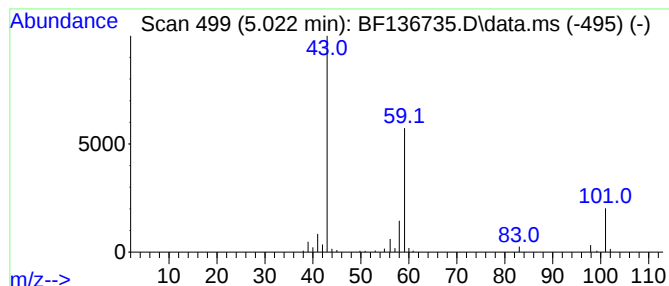
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.022 | 3.18 ng | 76644 | 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 | 56   |
| 2    |      | 3-Hydroxy-3-methyl-2-butanone    | 102 | C5H10O2 | 000115-22-0 | 17   |
| 3    |      | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 4    |      | Butane, 1-ethoxy-                | 102 | C6H14O  | 000628-81-9 | 9    |
| 5    |      | Morpholine, 4-methyl-            | 101 | C5H11NO | 000109-02-4 | 9    |



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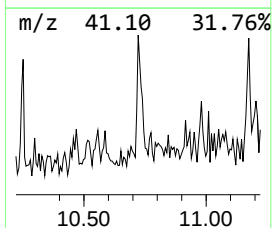
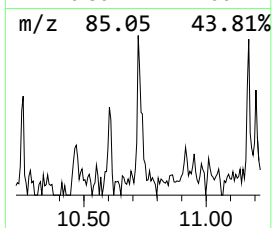
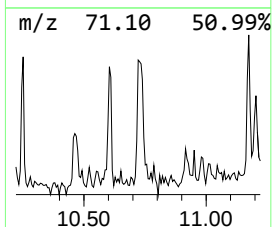
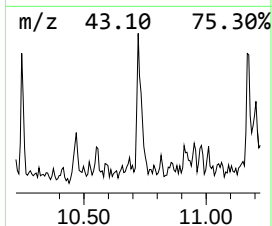
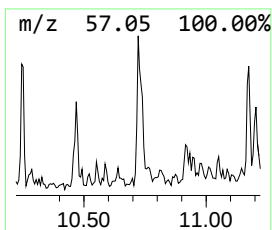
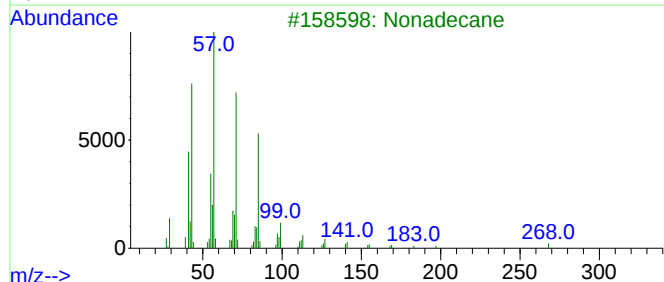
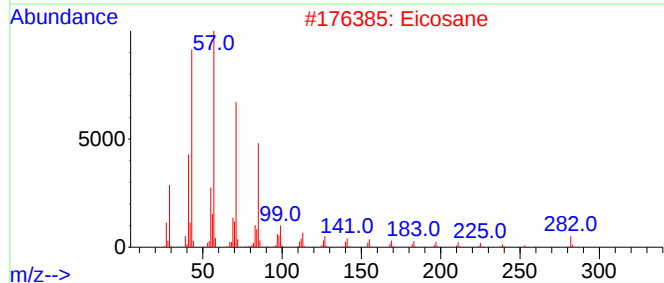
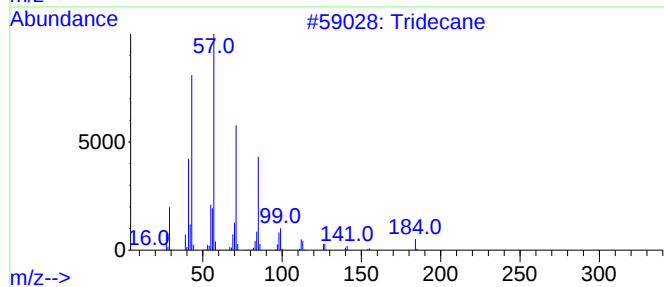
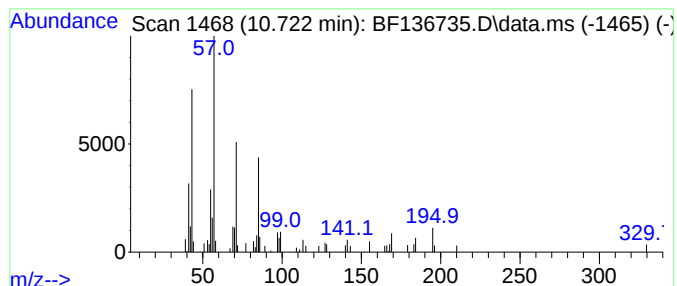
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Tridecane Concentration Rank 10

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 10.722 | 2.07 ng | 51035 | Phenanthrene-d10 | 11.304 |

| Hit# | of 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------|--------------|-----|---------|-------------|------|
| 1    |      | Tridecane    | 184 | C13H28  | 000629-50-5 | 95   |
| 2    |      | Eicosane     | 282 | C20H42  | 000112-95-8 | 81   |
| 3    |      | Nonadecane   | 268 | C19H40  | 000629-92-5 | 74   |
| 4    |      | Octacosane   | 394 | C28H58  | 000630-02-4 | 72   |
| 5    |      | Tetracosane  | 338 | C24H50  | 000646-31-1 | 72   |



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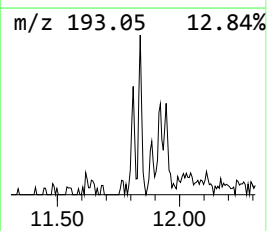
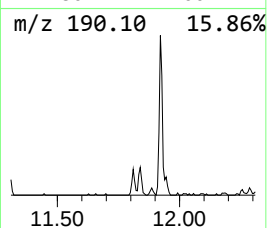
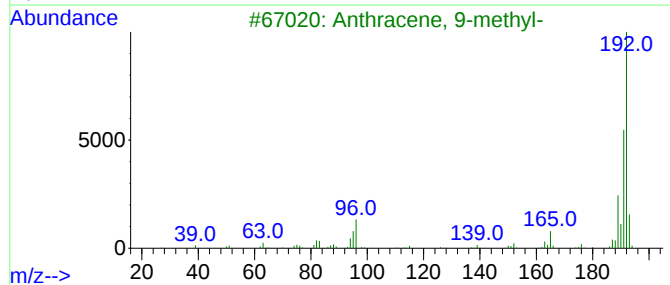
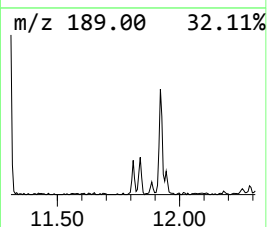
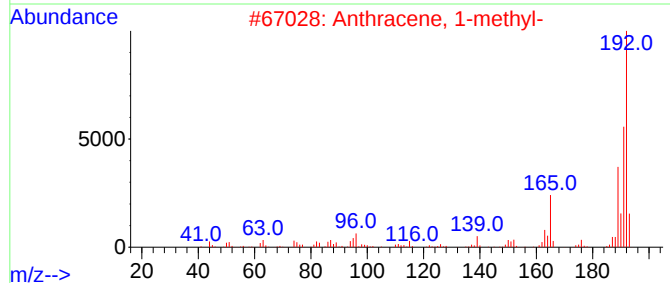
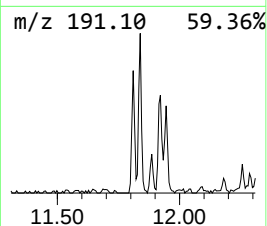
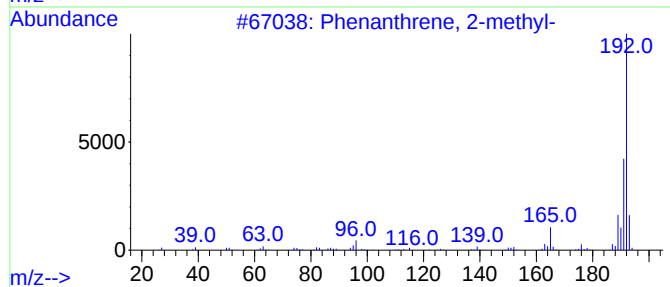
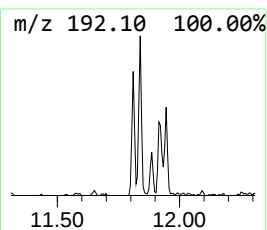
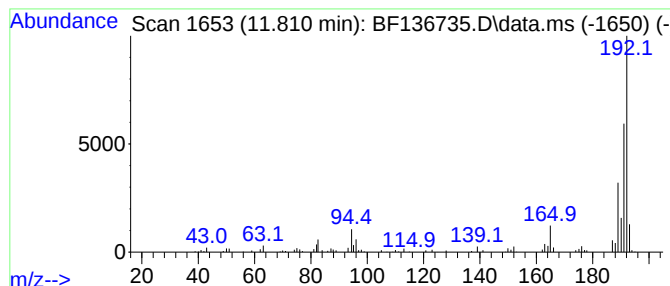
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.810 | 2.37 ng | 58403 | Phenanthrene-d10 | 11.304 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 2    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 93   |
| 3    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 93   |
| 4    |    |   | Phenanthrene, 4-methyl- | 192 | C15H12  | 000832-64-4 | 90   |
| 5    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 90   |



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Data File : BF136735.D  
Acq On : 26 Dec 2023 23:38  
Operator : CG\JU  
Sample : 05598-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
347

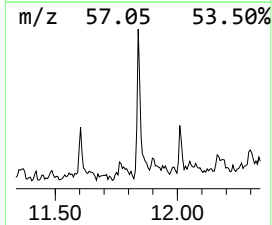
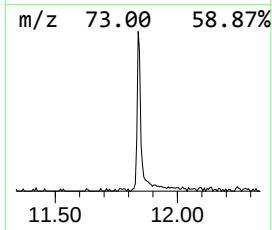
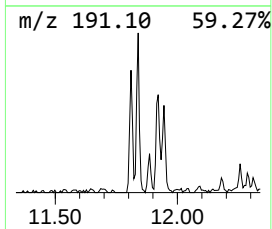
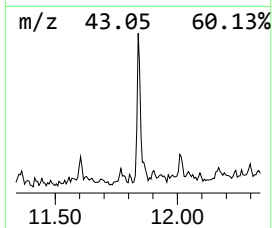
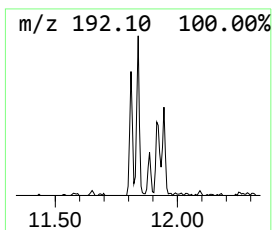
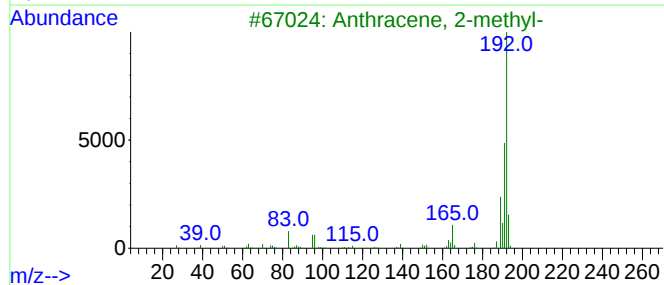
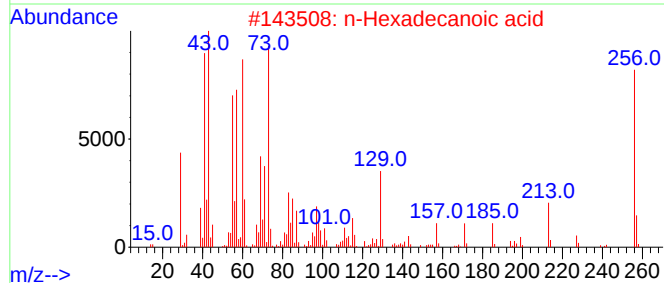
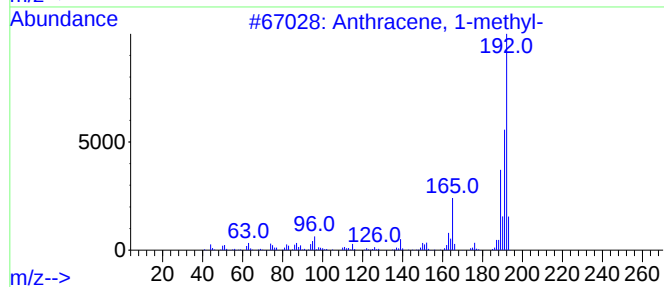
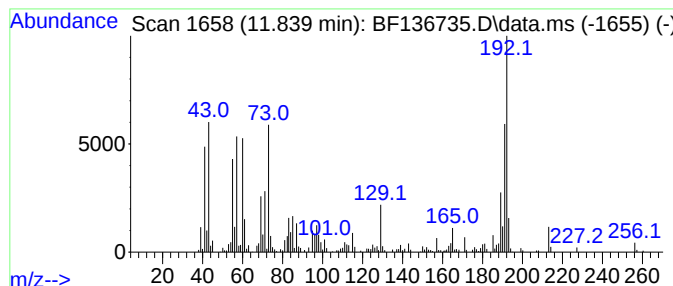
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Anthracene, 1-methyl- Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.839 | 9.76 ng | 240680 | Phenanthrene-d10 | 11.304 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------|-----|----------|-------------|------|
| 1    |    |   | Anthracene, 1-methyl-   | 192 | C15H12   | 000610-48-0 | 95   |
| 2    |    |   | n-Hexadecanoic acid     | 256 | C16H32O2 | 000057-10-3 | 91   |
| 3    |    |   | Anthracene, 2-methyl-   | 192 | C15H12   | 000613-12-7 | 89   |
| 4    |    |   | Anthracene, 9-methyl-   | 192 | C15H12   | 000779-02-2 | 87   |
| 5    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12   | 000832-69-9 | 78   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122623\  
Data File : BF136735.D  
Acq On : 26 Dec 2023 23:38  
Operator : CG\JU  
Sample : 05598-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

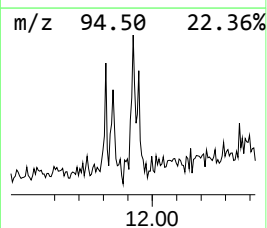
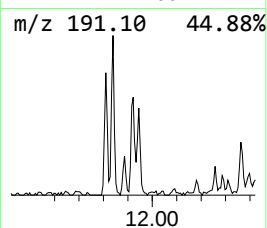
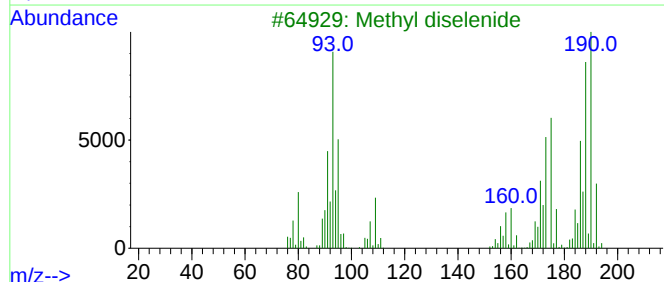
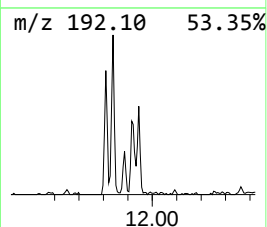
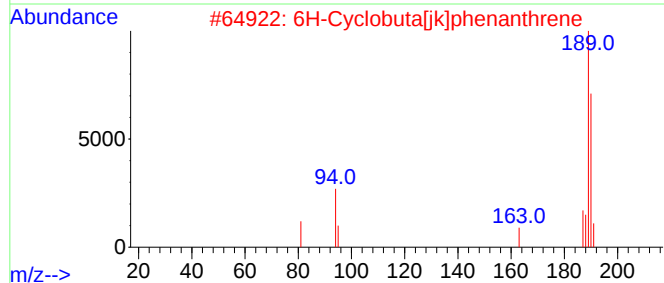
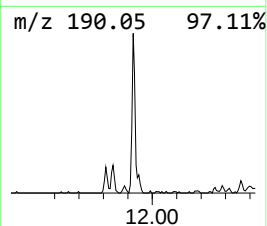
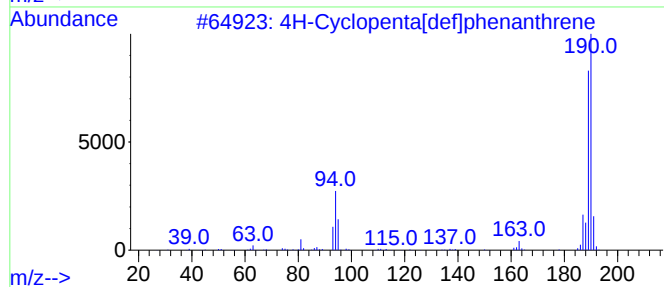
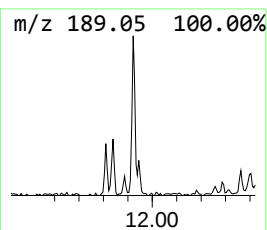
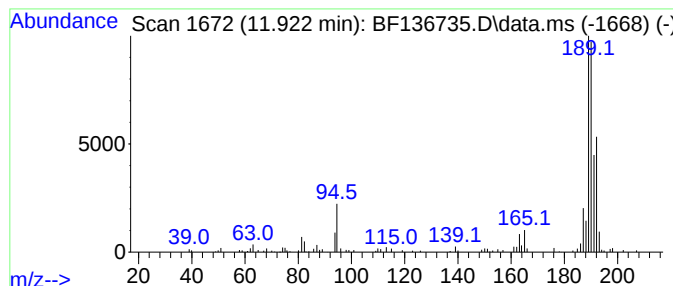
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TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.922 | 4.11 ng | 101467 | Phenanthrene-d10 | 11.304 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10  | 000203-64-5 | 70   |
| 2    |    |   | 6H-Cyclobuta[jk]phenanthrene   | 190 | C15H10  | 083469-43-6 | 58   |
| 3    |    |   | Methyl diselenide              | 190 | C2H6Se2 | 007101-31-7 | 43   |
| 4    |    |   | Phenanthrene, 1-methyl-        | 192 | C15H12  | 000832-69-9 | 35   |
| 5    |    |   | 5H-Dibenzo[a,d]cycloheptene    | 192 | C15H12  | 000256-81-5 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122623\  
Data File : BF136735.D  
Acq On : 26 Dec 2023 23:38  
Operator : CG\JU  
Sample : 05598-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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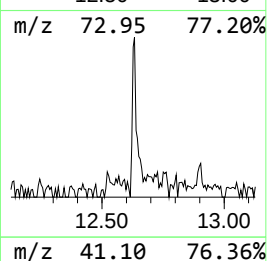
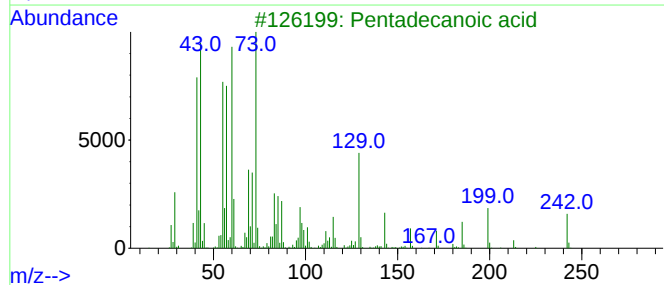
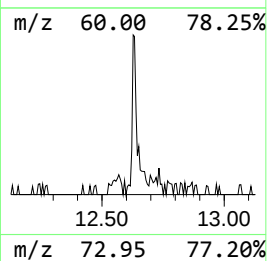
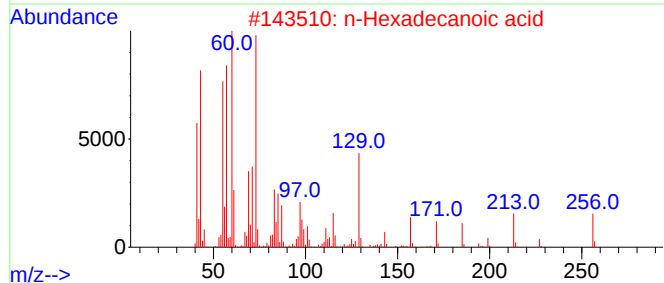
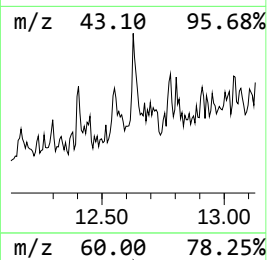
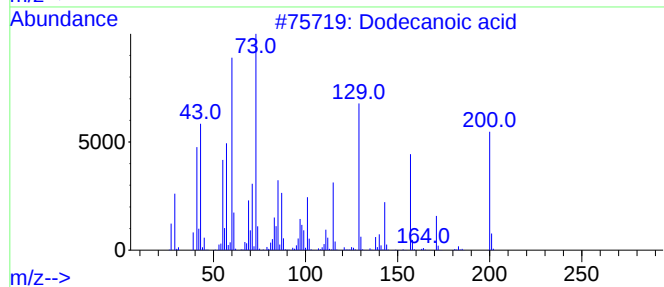
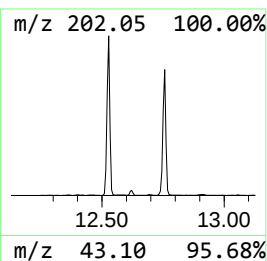
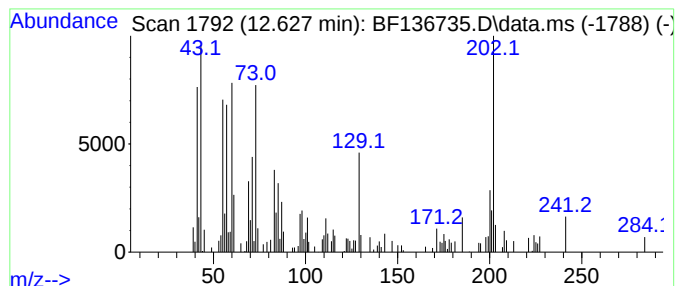
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Dodecanoic acid Concentration Rank 7

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.627 | 3.05 ng | 75277 | Phenanthrene-d10 | 11.304 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm    | CAS#        | Qual |
|------|----|---|--------------------------------|-----|------------|-------------|------|
| 1    |    |   | Dodecanoic acid                | 200 | C12H24O2   | 000143-07-7 | 53   |
| 2    |    |   | n-Hexadecanoic acid            | 256 | C16H32O2   | 000057-10-3 | 46   |
| 3    |    |   | Pentadecanoic acid             | 242 | C15H30O2   | 001002-84-2 | 43   |
| 4    |    |   | Decanoic acid, silver(1+) salt | 278 | C10H19AgO2 | 013126-67-5 | 38   |
| 5    |    |   | Tetradecanoic acid             | 228 | C14H28O2   | 000544-63-8 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122623\  
Data File : BF136735.D  
Acq On : 26 Dec 2023 23:38  
Operator : CG\JU  
Sample : 05598-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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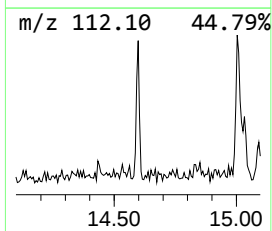
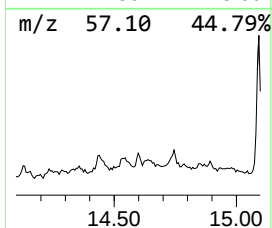
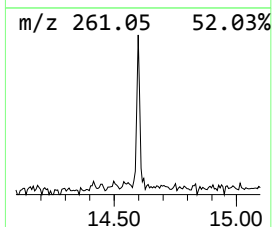
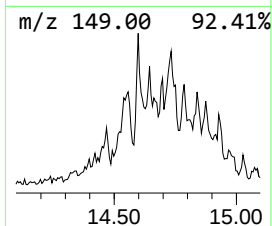
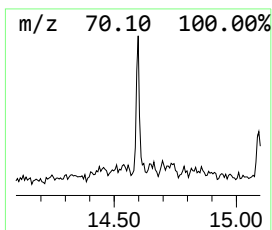
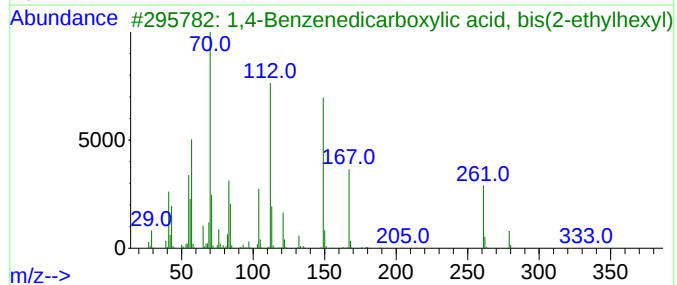
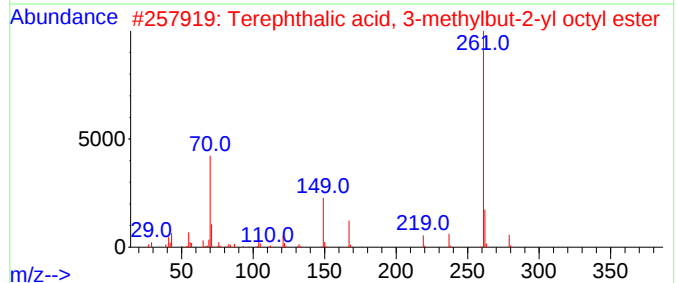
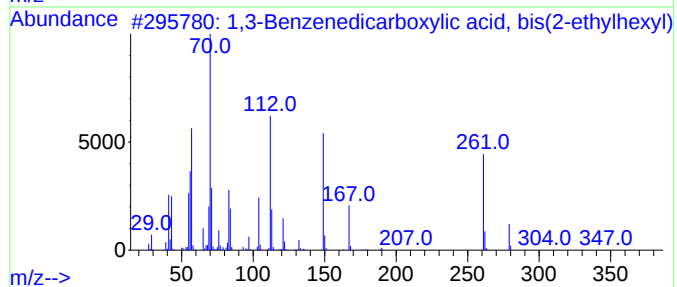
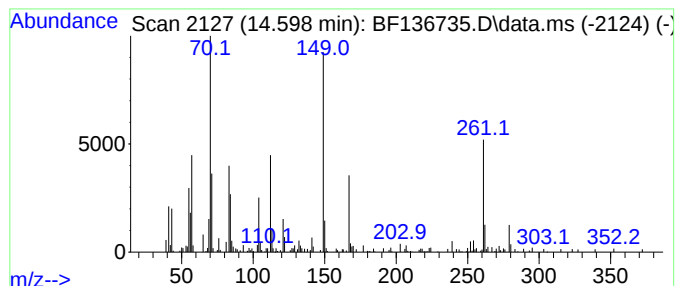
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 1,3-Benzenedicarboxylic aci... Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.598 | 2.85 ng | 114796 | Chrysene-d12     | 13.963 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 1,3-Benzenedicarboxylic acid, bi... | 390 | C24H38O4   | 000137-89-3  | 68   |
| 2    |    |   | Terephthalic acid, 3-methylbut-2... | 348 | C21H32O4   | 1000356-27-6 | 53   |
| 3    |    |   | 1,4-Benzenedicarboxylic acid, bi... | 390 | C24H38O4   | 006422-86-2  | 43   |
| 4    |    |   | Terephthalic acid, di(4-octyl) e... | 390 | C24H38O4   | 1000323-74-2 | 35   |
| 5    |    |   | Terephthalic acid, monochloride,... | 296 | C16H21ClO3 | 1000324-22-9 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122623\  
Data File : BF136735.D  
Acq On : 26 Dec 2023 23:38  
Operator : CG\JU  
Sample : 05598-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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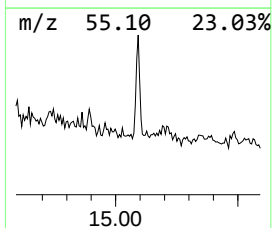
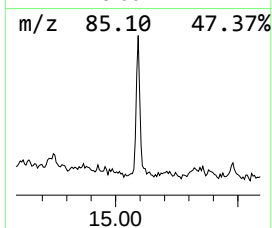
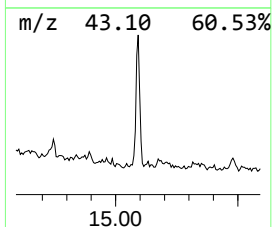
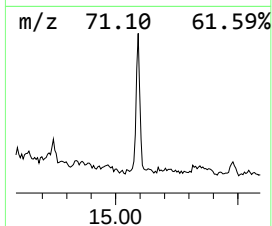
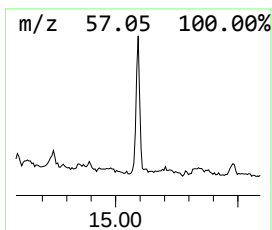
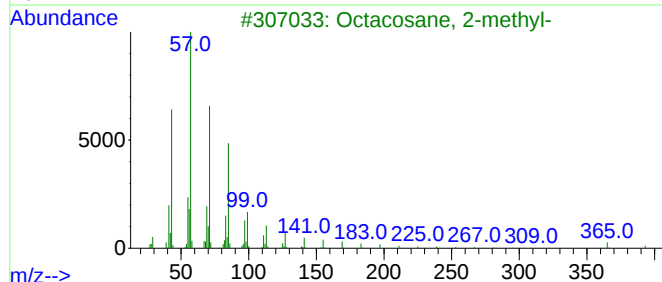
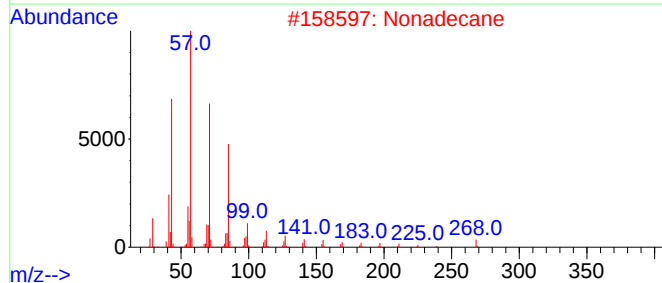
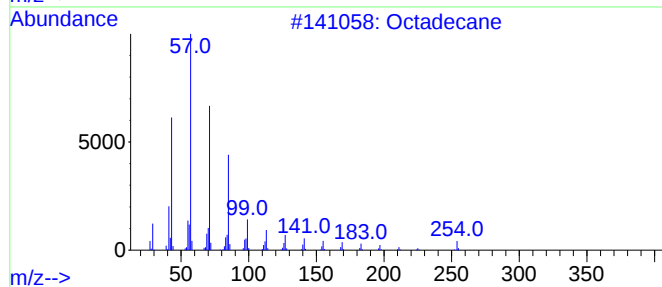
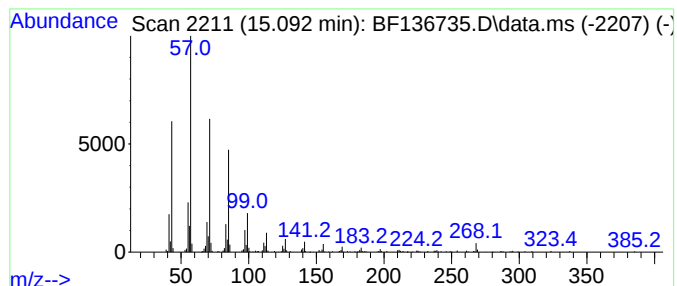
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Octadecane Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.092 | 14.01 ng | 270940 | Perylene-d12     | 15.445 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------|-----|---------|--------------|------|
| 1    |    |   | Octadecane             | 254 | C18H38  | 000593-45-3  | 93   |
| 2    |    |   | Nonadecane             | 268 | C19H40  | 000629-92-5  | 92   |
| 3    |    |   | Octacosane, 2-methyl-  | 408 | C29H60  | 001560-98-1  | 91   |
| 4    |    |   | Dotriacontane, 1-iodo- | 576 | C32H65I | 1000406-32-4 | 91   |
| 5    |    |   | Docosane               | 310 | C22H46  | 000629-97-0  | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122623\  
Data File : BF136735.D  
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Operator : CG\JU  
Sample : 05598-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
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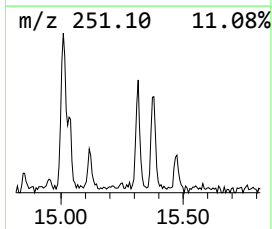
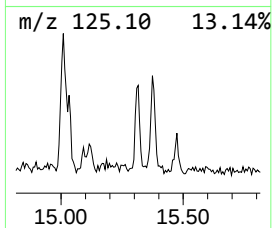
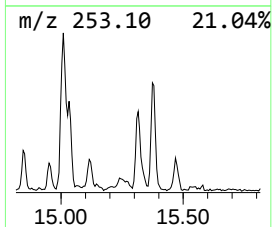
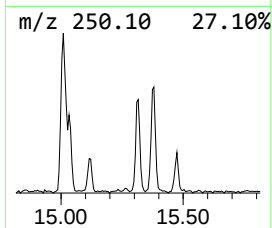
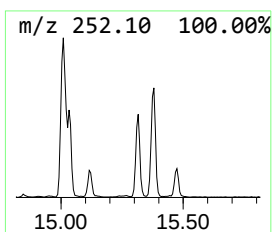
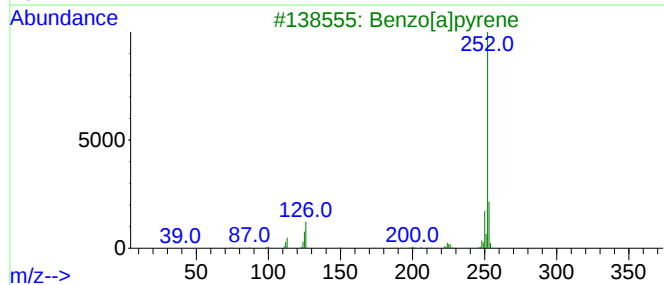
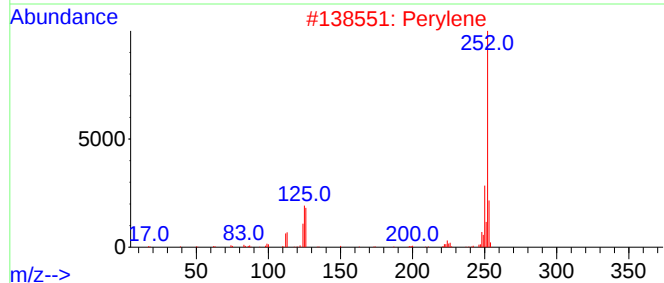
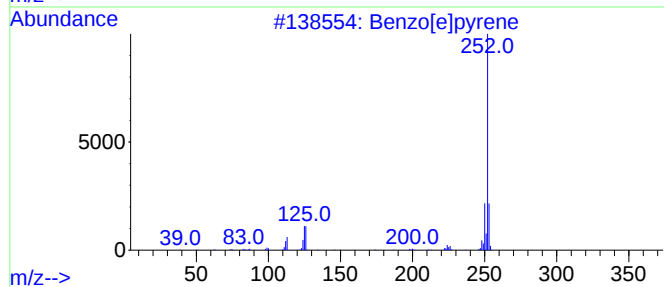
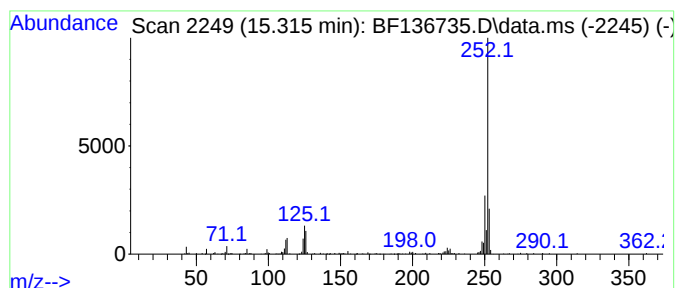
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Peak Number 10 Benzo[e]pyrene Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.315 | 7.85 ng | 151811 | Perylene-d12     | 15.445 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 99   |
| 2    |      | Perylene             | 252 | C20H12  | 000198-55-0 | 95   |
| 3    |      | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 94   |
| 4    |      | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 93   |
| 5    |      | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122623\  
Data File : BF136735.D  
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Operator : CG\JU  
Sample : 05598-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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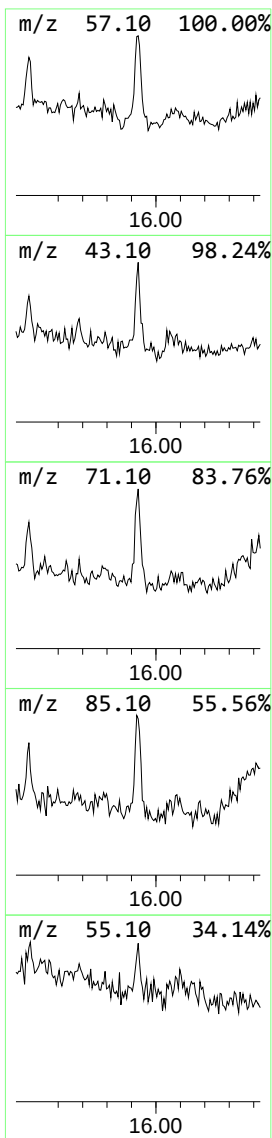
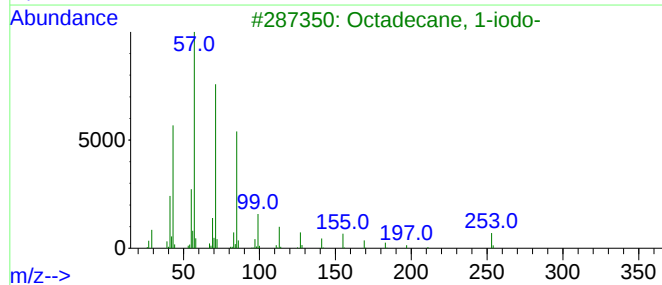
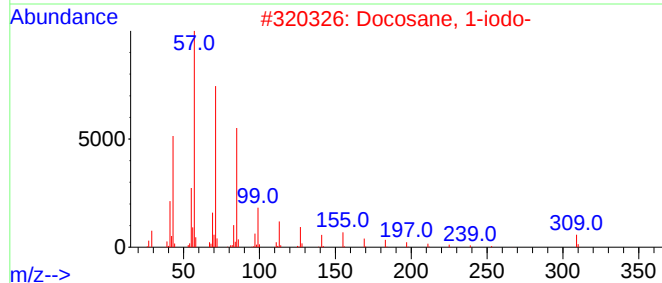
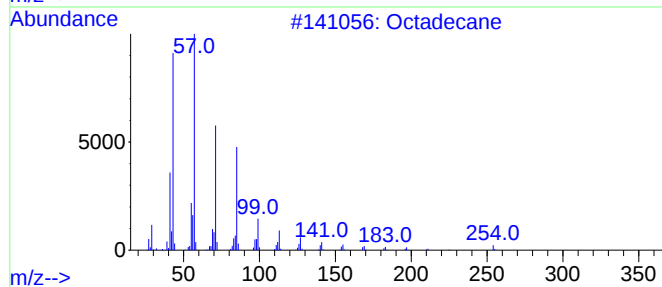
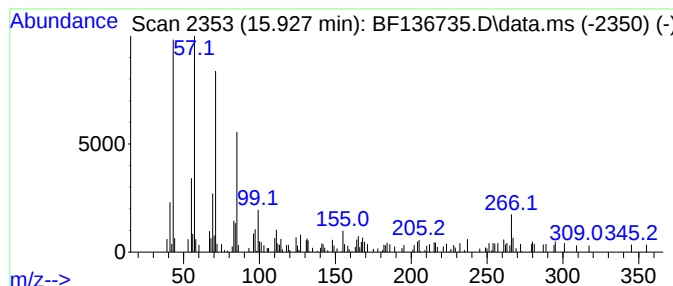
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 Docosane, 1-iodo- Concentration Rank 5

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.927 | 3.25 ng | 62757 | Perylene-d12     | 15.445 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#         | Qual |
|------|----|---|----------------------------|-----|---------|--------------|------|
| 1    |    |   | Octadecane                 | 254 | C18H38  | 000593-45-3  | 89   |
| 2    |    |   | Docosane, 1-iodo-          | 436 | C22H45I | 1000406-31-9 | 64   |
| 3    |    |   | Octadecane, 1-iodo-        | 380 | C18H37I | 000629-93-6  | 64   |
| 4    |    |   | Tetradecane, 6,9-dimethyl- | 226 | C16H34  | 055045-13-1  | 64   |
| 5    |    |   | Octadecane, 2-methyl-      | 268 | C19H40  | 001560-88-9  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122623\  
Data File : BF136735.D  
Acq On : 26 Dec 2023 23:38  
Operator : CG\JU  
Sample : 05598-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
347

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.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 |
| 2-Pentanone, 4-... | 5.022  | 3.2     | ng    | 76644    | 1                     | 6.781  | 482742 | 20.0 |
| Tridecane          | 10.722 | 2.1     | ng    | 51035    | 4                     | 11.304 | 493255 | 20.0 |
| Phenanthrene, 2... | 11.810 | 2.4     | ng    | 58403    | 4                     | 11.304 | 493255 | 20.0 |
| Anthracene, 1-m... | 11.839 | 9.8     | ng    | 240680   | 4                     | 11.304 | 493255 | 20.0 |
| 4H-Cyclopenta[d... | 11.922 | 4.1     | ng    | 101467   | 4                     | 11.304 | 493255 | 20.0 |
| Dodecanoic acid    | 12.627 | 3.0     | ng    | 75277    | 4                     | 11.304 | 493255 | 20.0 |
| 1,3-Benzenedica... | 14.598 | 2.9     | ng    | 114796   | 5                     | 13.963 | 805267 | 20.0 |
| Octadecane         | 15.092 | 14.0    | ng    | 270940   | 6                     | 15.445 | 386720 | 20.0 |
| Benzo[e]pyrene     | 15.315 | 7.8     | ng    | 151811   | 6                     | 15.445 | 386720 | 20.0 |
| Docosane, 1-iodo-  | 15.927 | 3.3     | ng    | 62757    | 6                     | 15.445 | 386720 | 20.0 |