

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021125\  
 Data File : BF141566.D  
 Acq On : 11 Feb 2025 17:08  
 Operator : RC/JU  
 Sample : Q1343-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-9

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-BF020625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141566.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         | 5.404       | 558           | 563         | 589          | rBV      | 1232223        | 1709084       | 82.28%          | 10.101%       |
| 2         | 6.422       | 730           | 736         | 763          | rBV      | 1290439        | 1761087       | 84.78%          | 10.408%       |
| 3         | 6.786       | 793           | 798         | 806          | rBV      | 382025         | 486171        | 23.41%          | 2.873%        |
| 4         | 7.345       | 887           | 893         | 904          | rBV      | 857638         | 1146921       | 55.22%          | 6.778%        |
| 5         | 7.610       | 933           | 938         | 953          | rBV      | 36585          | 64444         | 3.10%           | 0.381%        |
| 6         | 8.069       | 1010          | 1016        | 1035         | rBV      | 454897         | 634859        | 30.56%          | 3.752%        |
| 7         | 8.292       | 1049          | 1054        | 1064         | rVB      | 17016          | 27096         | 1.30%           | 0.160%        |
| 8         | 9.139       | 1193          | 1198        | 1209         | rBV      | 1603325        | 2077155       | 100.00%         | 12.276%       |
| 9         | 9.822       | 1308          | 1314        | 1324         | rBV      | 533577         | 704539        | 33.92%          | 4.164%        |
| 10        | 10.533      | 1430          | 1435        | 1442         | rBV      | 418375         | 520837        | 25.07%          | 3.078%        |
| 11        | 10.610      | 1442          | 1448        | 1464         | rVB      | 958682         | 1257137       | 60.52%          | 7.430%        |
| 12        | 10.845      | 1480          | 1488        | 1495         | rBV      | 59750          | 84454         | 4.07%           | 0.499%        |
| 13        | 11.304      | 1561          | 1566        | 1575         | rBV2     | 544062         | 816392        | 39.30%          | 4.825%        |
| 14        | 11.380      | 1575          | 1579        | 1583         | rVB      | 21984          | 30106         | 1.45%           | 0.178%        |
| 15        | 11.810      | 1647          | 1652        | 1653         | rBV      | 20382          | 25569         | 1.23%           | 0.151%        |
| 16        | 11.839      | 1653          | 1657        | 1667         | rVV2     | 187400         | 312652        | 15.05%          | 1.848%        |
| 17        | 11.921      | 1667          | 1671        | 1680         | rVB2     | 36704          | 76562         | 3.69%           | 0.452%        |
| 18        | 12.104      | 1695          | 1702        | 1705         | rBV2     | 14160          | 31437         | 1.51%           | 0.186%        |
| 19        | 12.327      | 1735          | 1740        | 1743         | rBV      | 23493          | 36036         | 1.73%           | 0.213%        |
| 20        | 12.445      | 1757          | 1760        | 1765         | rVB      | 19316          | 25984         | 1.25%           | 0.154%        |
| 21        | 12.516      | 1767          | 1772        | 1778         | rBV      | 233685         | 309903        | 14.92%          | 1.832%        |
| 22        | 12.621      | 1786          | 1790        | 1794         | rBV2     | 25624          | 42325         | 2.04%           | 0.250%        |
| 23        | 12.745      | 1804          | 1811        | 1816         | rBV2     | 205385         | 309396        | 14.90%          | 1.829%        |
| 24        | 12.798      | 1816          | 1820        | 1826         | rVB3     | 19062          | 30461         | 1.47%           | 0.180%        |
| 25        | 12.892      | 1828          | 1836        | 1843         | rBV      | 1515605        | 1948089       | 93.79%          | 11.513%       |
| 26        | 12.968      | 1843          | 1849        | 1857         | rBV3     | 24332          | 47808         | 2.30%           | 0.283%        |
| 27        | 13.074      | 1859          | 1867        | 1872         | rVB2     | 30010          | 67279         | 3.24%           | 0.398%        |
| 28        | 13.145      | 1872          | 1879        | 1881         | rBV2     | 14940          | 26838         | 1.29%           | 0.159%        |
| 29        | 13.180      | 1881          | 1885        | 1892         | rVB2     | 33603          | 62058         | 2.99%           | 0.367%        |
| 30        | 13.304      | 1903          | 1906        | 1915         | rVB3     | 16207          | 28148         | 1.36%           | 0.166%        |
| 31        | 13.474      | 1929          | 1935        | 1942         | rBV8     | 7994           | 25495         | 1.23%           | 0.151%        |
| 32        | 13.586      | 1950          | 1954        | 1960         | rVB      | 26552          | 35984         | 1.73%           | 0.213%        |
| 33        | 13.692      | 1967          | 1972        | 1975         | rBV2     | 20459          | 35331         | 1.70%           | 0.209%        |
| 34        | 13.798      | 1986          | 1990        | 1993         | rBV      | 22163          | 32180         | 1.55%           | 0.190%        |
| 35        | 13.945      | 2008          | 2015        | 2028         | rVB2     | 476120         | 861060        | 41.45%          | 5.089%        |
| 36        | 14.110      | 2037          | 2043        | 2046         | rBV3     | 11768          | 24352         | 1.17%           | 0.144%        |

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-9

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-BF020625.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 14.339 | 2078 | 2082 | 2085 | rBV  | 22322  | 26212  | 1.26%  | 0.155% |
| 38 | 14.427 | 2092 | 2097 | 2101 | rBV5 | 15536  | 27693  | 1.33%  | 0.164% |
| 39 | 14.657 | 2132 | 2136 | 2145 | rBV5 | 8214   | 20891  | 1.01%  | 0.123% |
| 40 | 14.986 | 2187 | 2192 | 2201 | rBV  | 100407 | 235417 | 11.33% | 1.391% |
| 41 | 15.092 | 2207 | 2210 | 2214 | rVB  | 17158  | 21311  | 1.03%  | 0.126% |
| 42 | 15.280 | 2237 | 2242 | 2248 | rVB  | 50839  | 75771  | 3.65%  | 0.448% |
| 43 | 15.345 | 2248 | 2253 | 2258 | rBV  | 75225  | 114765 | 5.53%  | 0.678% |
| 44 | 15.404 | 2258 | 2263 | 2275 | rVB  | 308733 | 509816 | 24.54% | 3.013% |
| 45 | 16.839 | 2501 | 2507 | 2516 | rVB2 | 40999  | 90092  | 4.34%  | 0.532% |
| 46 | 17.009 | 2531 | 2536 | 2541 | rBV2 | 11285  | 22983  | 1.11%  | 0.136% |
| 47 | 17.268 | 2574 | 2580 | 2587 | rBV  | 28373  | 60027  | 2.89%  | 0.355% |

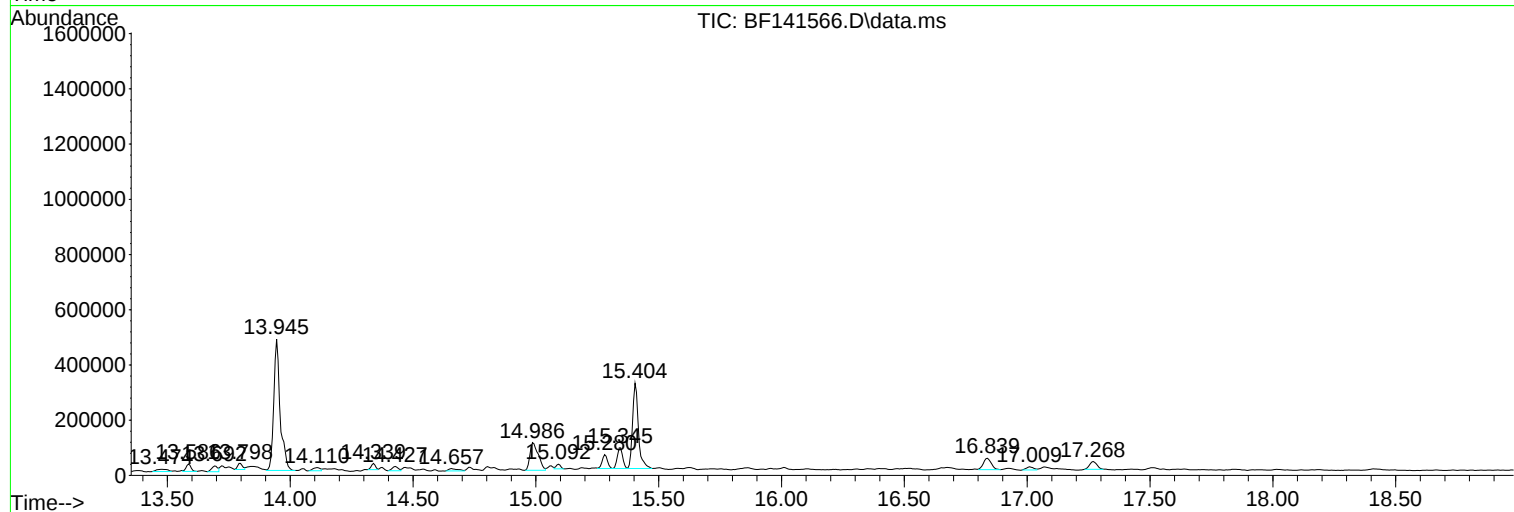
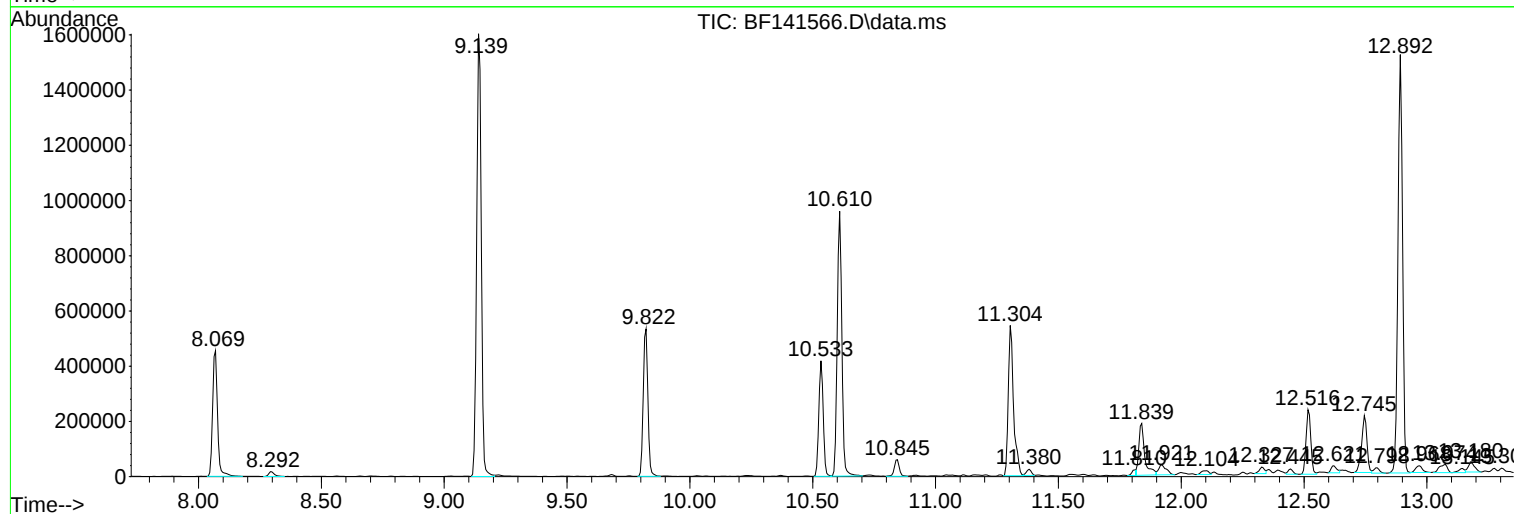
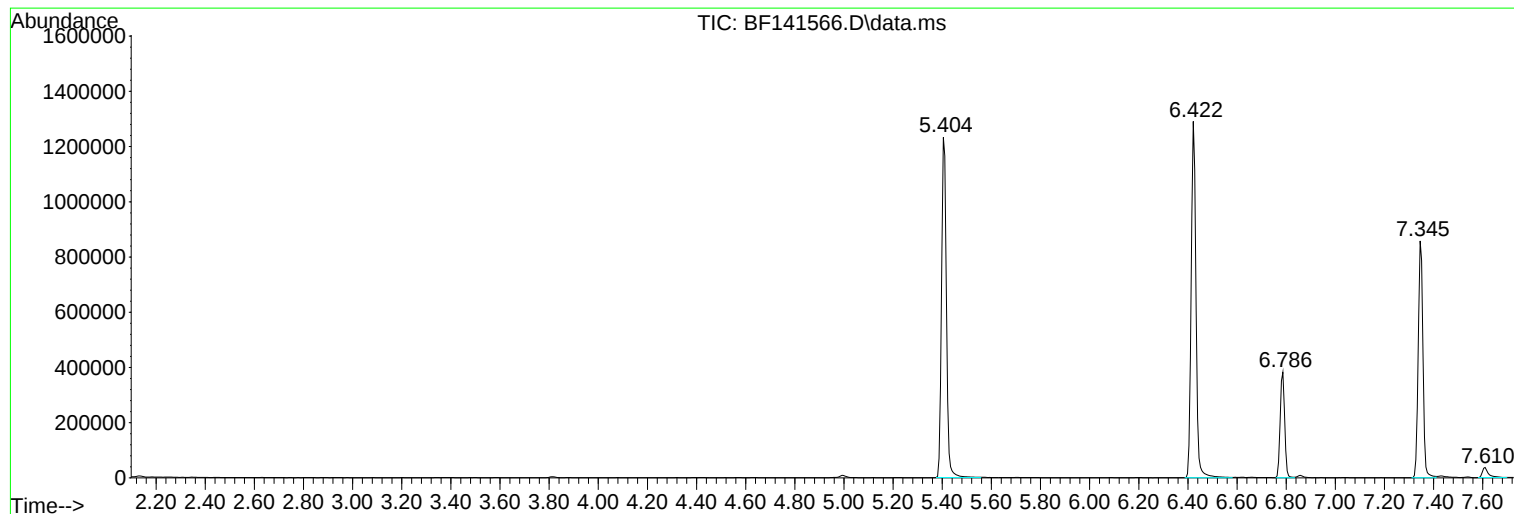
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.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\BF021125\  
Data File : BF141566.D  
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Sample : Q1343-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-9

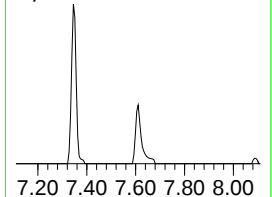
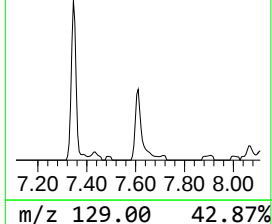
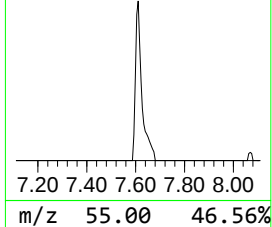
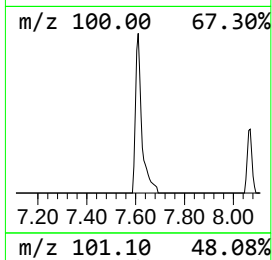
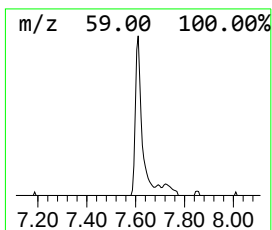
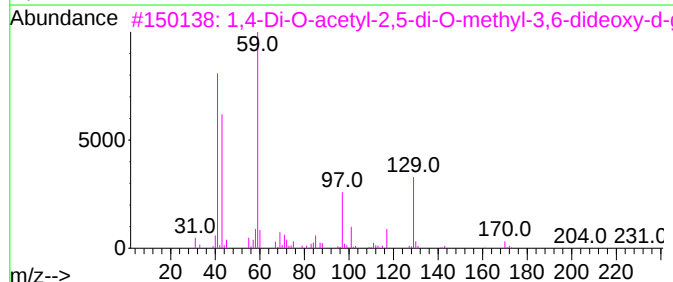
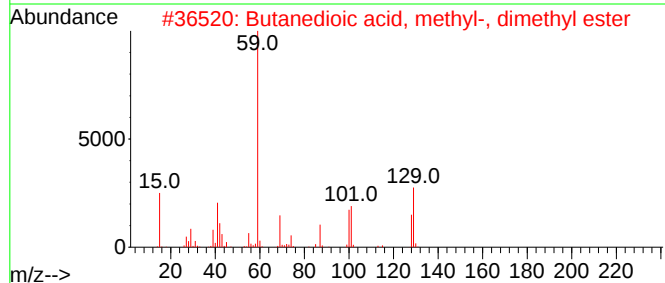
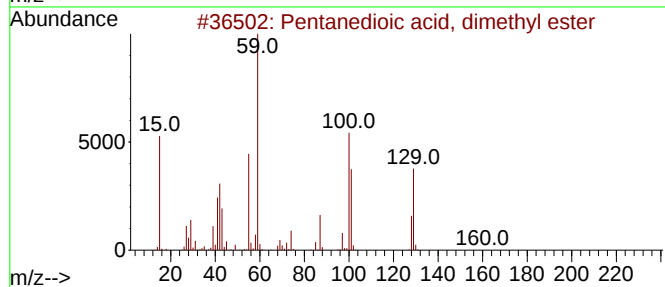
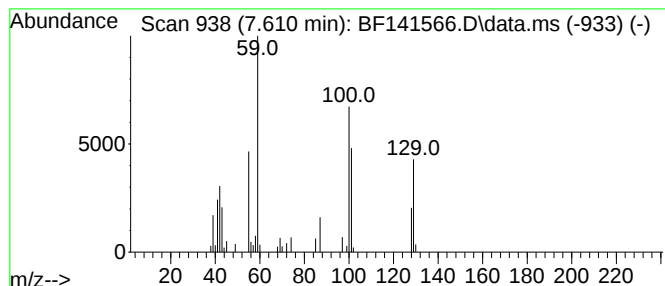
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Pentanedioic acid, dimethyl... Concentration Rank 5

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|-------|------------------|--------------|------|
| 7.610     | 2.03 ng                             | 64444 | Naphthalene-d8   | 8.069        |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#         | Qual |
| 1         | Pentanedioic acid, dimethyl ester   | 160   | C7H12O4          | 001119-40-0  | 90   |
| 2         | Butanedioic acid, methyl-, dimet... | 160   | C7H12O4          | 001604-11-1  | 59   |
| 3         | 1,4-Di-O-acetyl-2,5-di-O-methyl-... | 262   | C12H22O6         | 1000101-82-1 | 32   |
| 4         | Piperidine, 1-hydroxy-              | 101   | C5H11NO          | 004801-58-5  | 27   |
| 5         | Hydrazine, (1-methylethyl)-         | 74    | C3H10N2          | 002257-52-5  | 22   |



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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-9

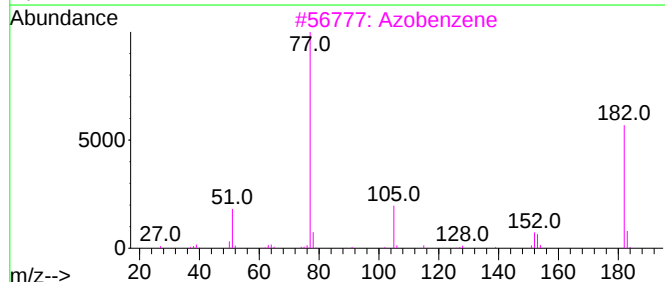
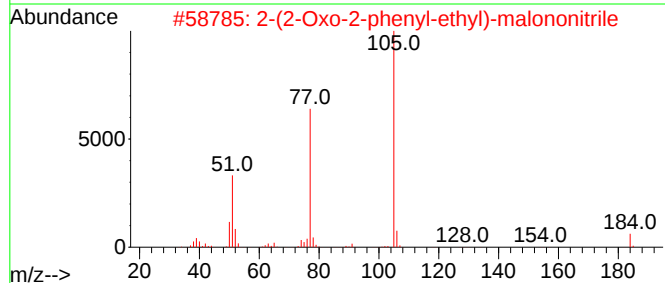
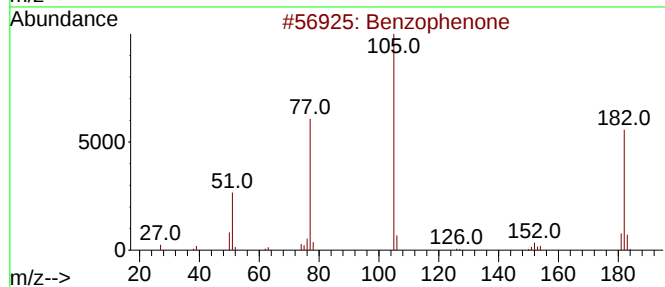
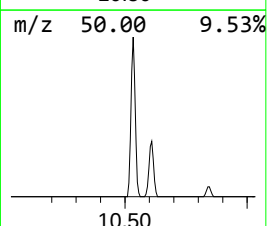
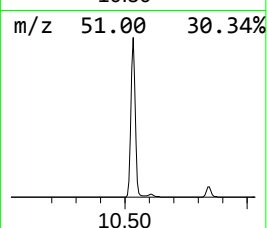
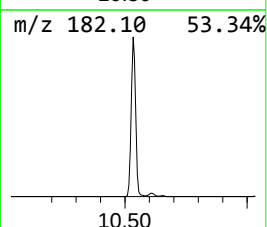
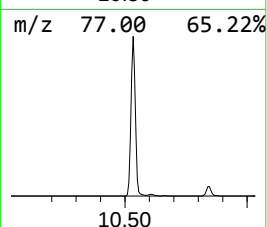
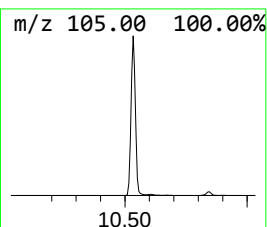
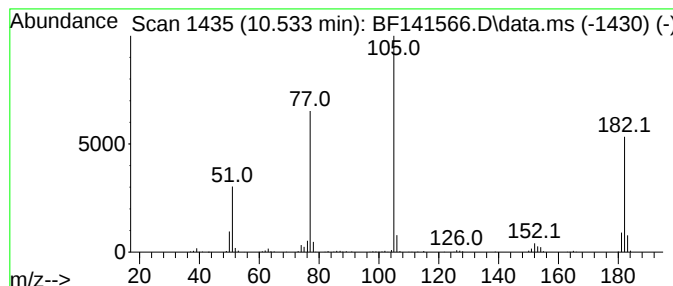
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Benzophenone Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.  |
|--------|----------|--------|------------------|-------|
| 10.533 | 14.79 ng | 520837 | Acenaphthene-d10 | 9.822 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O    | 000119-61-9  | 96   |
| 2    |    |   | 2-(2-Oxo-2-phenyl-ethyl)-malonon... | 184 | C11H8N2O   | 1000296-76-9 | 53   |
| 3    |    |   | Azobenzene                          | 182 | C12H10N2   | 000103-33-3  | 52   |
| 4    |    |   | Disulfide, dibenzoyl                | 274 | C14H10O2S2 | 000644-32-6  | 49   |
| 5    |    |   | acetic acid, 2-bromo-, 2-oxo-2-p... | 256 | C10H9BrO3  | 1000401-50-0 | 47   |



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Instrument :  
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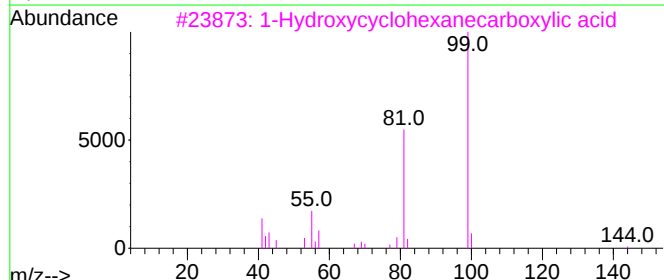
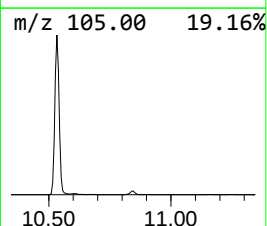
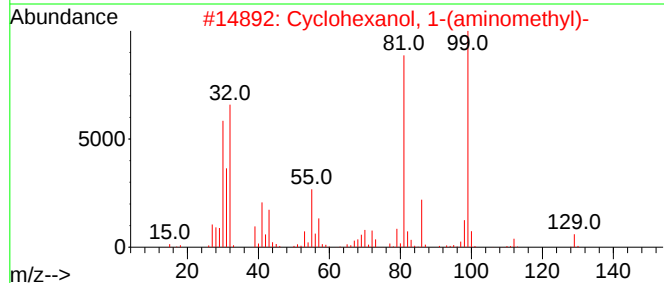
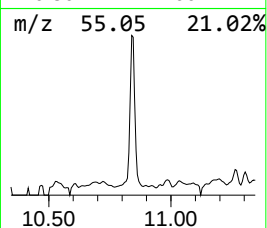
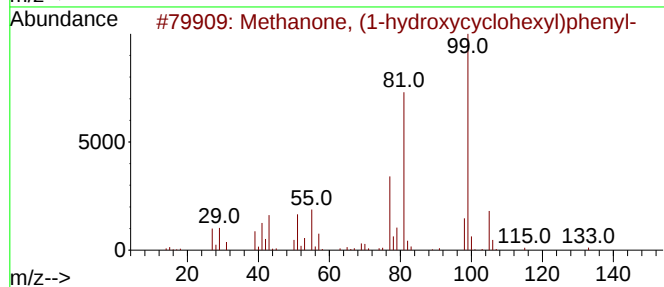
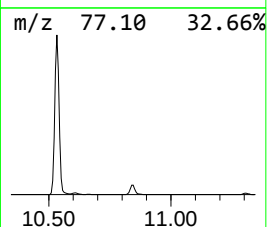
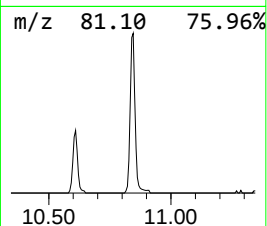
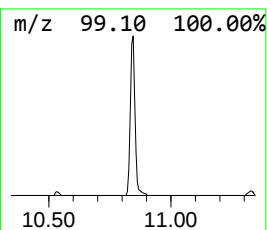
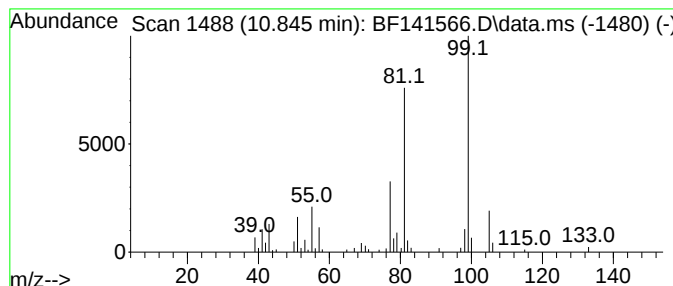
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Methanone, (1-hydroxycyclohexyl) Concentration Rank 4

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 10.845 | 2.07 ng | 84454 | Phenanthrene-d10 | 11.304 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Methanone, (1-hydroxycyclohexyl)... | 204 | C13H16O2  | 000947-19-3 | 91   |
| 2    |    |   | Cyclohexanol, 1-(aminomethyl)-      | 129 | C7H15NO   | 004000-72-0 | 53   |
| 3    |    |   | 1-Hydroxycyclohexanecarboxylic acid | 144 | C7H12O3   | 001123-28-0 | 45   |
| 4    |    |   | 3-Methylcyclohexyl methylphospho... | 194 | C8H16FO2P | 113548-86-0 | 40   |
| 5    |    |   | 2-Methylcyclosarin                  | 194 | C8H16FO2P | 085473-32-1 | 40   |



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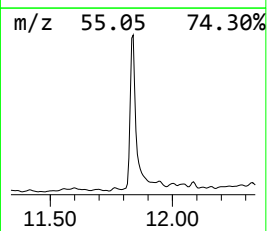
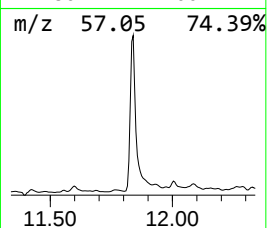
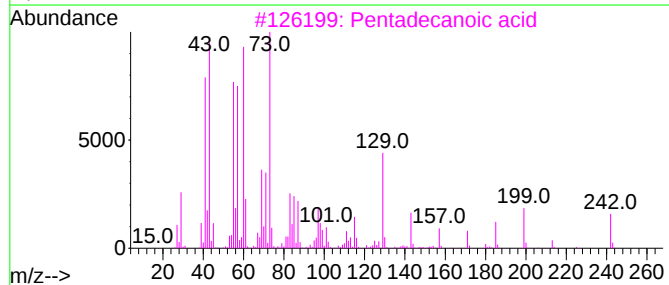
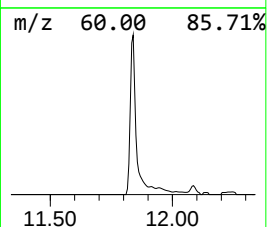
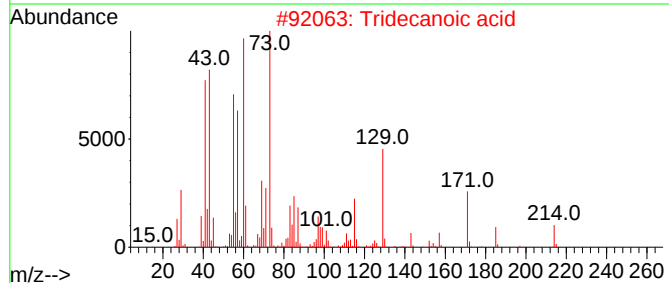
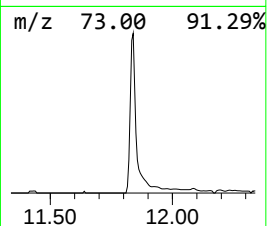
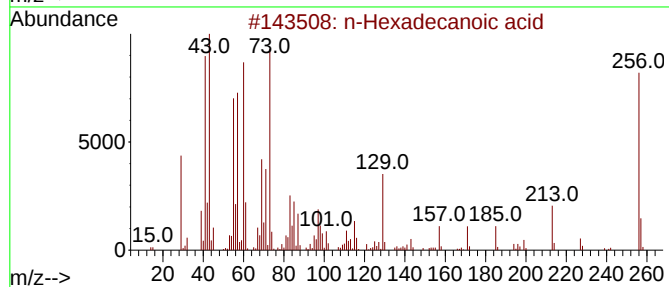
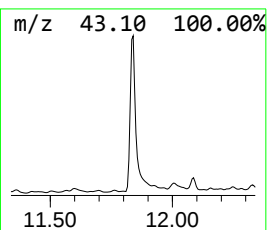
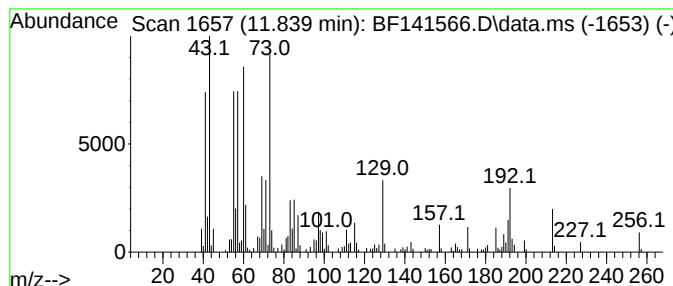
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.839 | 7.66 ng | 312652 | Phenanthrene-d10 | 11.304 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 86   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 70   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 62   |
| 5    |    |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021125\  
Data File : BF141566.D  
Acq On : 11 Feb 2025 17:08  
Operator : RC/JU  
Sample : Q1343-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-9

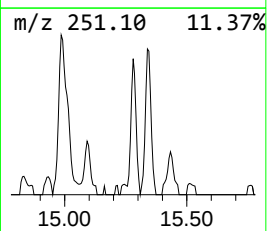
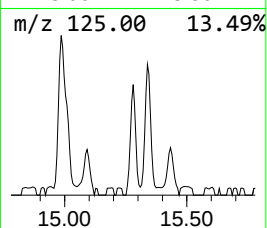
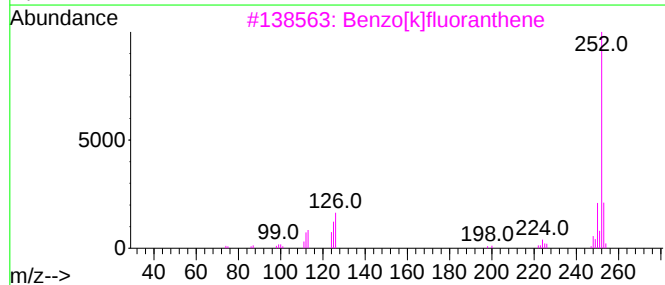
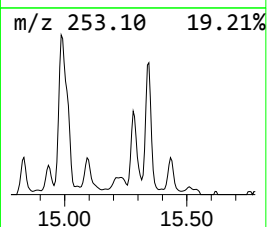
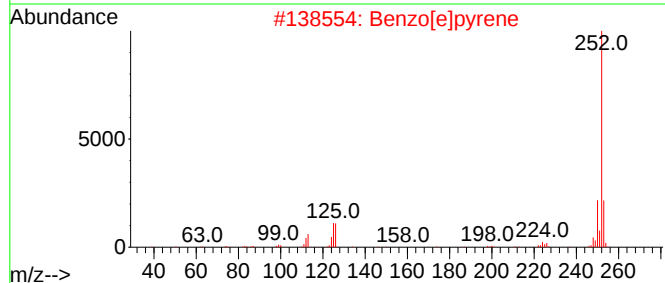
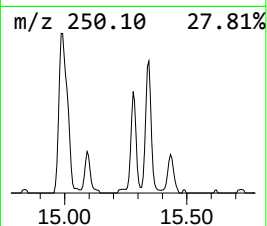
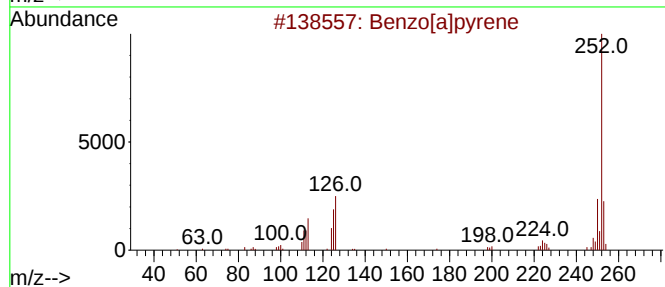
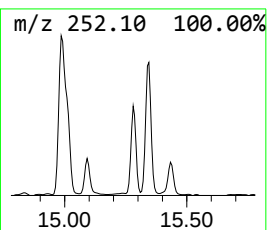
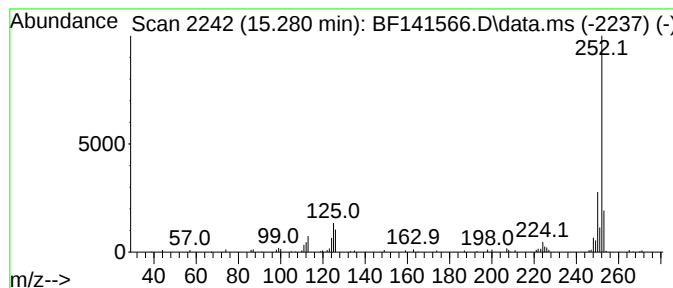
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Benzo[e]pyrene Concentration Rank 3

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.280 | 2.97 ng | 75771 | Perylene-d12     | 15.404 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 95   |
| 2    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 93   |
| 3    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 93   |
| 4    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 90   |
| 5    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021125\  
Data File : BF141566.D  
Acq On : 11 Feb 2025 17:08  
Operator : RC/JU  
Sample : Q1343-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Pentanedioic ac... | 7.610  | 2.0     | ng    | 64444    | 2                     | 8.069  | 634859 | 20.0 |
| Benzophenone       | 10.533 | 14.8    | ng    | 520837   | 3                     | 9.822  | 704539 | 20.0 |
| Methanone, (1-h... | 10.845 | 2.1     | ng    | 84454    | 4                     | 11.304 | 816392 | 20.0 |
| n-Hexadecanoic ... | 11.839 | 7.7     | ng    | 312652   | 4                     | 11.304 | 816392 | 20.0 |
| Benzo[e]pyrene     | 15.280 | 3.0     | ng    | 75771    | 6                     | 15.404 | 509816 | 20.0 |