

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020425\  
 Data File : BF141424.D  
 Acq On : 04 Feb 2025 22:11  
 Operator : RC/JU  
 Sample : Q1194-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-113-SB01

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-BF012925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141424.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.128       | 3             | 6           | 20           | rVB      | 44815          | 69880         | 2.84%           | 0.344%        |
| 2         | 4.993       | 489           | 493         | 501          | rVB      | 23213          | 35934         | 1.46%           | 0.177%        |
| 3         | 5.410       | 558           | 564         | 583          | rBV      | 1429840        | 1876836       | 76.21%          | 9.252%        |
| 4         | 6.428       | 731           | 737         | 756          | rBV      | 1433484        | 1924788       | 78.16%          | 9.488%        |
| 5         | 6.787       | 793           | 798         | 803          | rBV      | 358841         | 433180        | 17.59%          | 2.135%        |
| 6         | 7.351       | 887           | 894         | 899          | rBV      | 928282         | 1241600       | 50.42%          | 6.120%        |
| 7         | 7.610       | 931           | 938         | 948          | rVB      | 41091          | 58094         | 2.36%           | 0.286%        |
| 8         | 8.069       | 1011          | 1016        | 1035         | rBV      | 467999         | 644940        | 26.19%          | 3.179%        |
| 9         | 8.781       | 1130          | 1137        | 1145         | rVB      | 32754          | 40459         | 1.64%           | 0.199%        |
| 10        | 8.881       | 1149          | 1154        | 1159         | rVB      | 24049          | 28778         | 1.17%           | 0.142%        |
| 11        | 9.145       | 1193          | 1199        | 1204         | rBV      | 1739459        | 2188516       | 88.87%          | 10.788%       |
| 12        | 9.228       | 1209          | 1213        | 1221         | rVB2     | 17899          | 30324         | 1.23%           | 0.149%        |
| 13        | 9.481       | 1249          | 1256        | 1259         | rBV      | 21986          | 33039         | 1.34%           | 0.163%        |
| 14        | 9.822       | 1307          | 1314        | 1318         | rBV      | 513705         | 679373        | 27.59%          | 3.349%        |
| 15        | 9.857       | 1318          | 1320        | 1324         | rVB      | 63897          | 65821         | 2.67%           | 0.324%        |
| 16        | 10.028      | 1345          | 1349        | 1353         | rBV      | 41712          | 52529         | 2.13%           | 0.259%        |
| 17        | 10.369      | 1403          | 1407        | 1412         | rBV      | 73921          | 97959         | 3.98%           | 0.483%        |
| 18        | 10.433      | 1412          | 1418        | 1421         | rBV      | 15462          | 31104         | 1.26%           | 0.153%        |
| 19        | 10.539      | 1431          | 1436        | 1441         | rVB2     | 129549         | 168887        | 6.86%           | 0.833%        |
| 20        | 10.616      | 1443          | 1449        | 1461         | rBV      | 972138         | 1294173       | 52.55%          | 6.380%        |
| 21        | 10.916      | 1494          | 1500        | 1503         | rBV2     | 24285          | 41336         | 1.68%           | 0.204%        |
| 22        | 11.169      | 1538          | 1543        | 1547         | rBV3     | 23406          | 40867         | 1.66%           | 0.201%        |
| 23        | 11.210      | 1547          | 1550        | 1557         | rVB      | 32717          | 42475         | 1.72%           | 0.209%        |
| 24        | 11.310      | 1562          | 1567        | 1569         | rBV      | 543381         | 718683        | 29.18%          | 3.543%        |
| 25        | 11.333      | 1569          | 1571        | 1576         | rVV      | 593766         | 699846        | 28.42%          | 3.450%        |
| 26        | 11.386      | 1576          | 1580        | 1584         | rVB      | 113514         | 141981        | 5.77%           | 0.700%        |
| 27        | 11.545      | 1601          | 1607        | 1615         | rBV      | 25027          | 40746         | 1.65%           | 0.201%        |
| 28        | 11.816      | 1648          | 1653        | 1655         | rBV      | 94190          | 136099        | 5.53%           | 0.671%        |
| 29        | 11.839      | 1655          | 1657        | 1662         | rVV      | 122182         | 143676        | 5.83%           | 0.708%        |
| 30        | 11.886      | 1662          | 1665        | 1668         | rVV      | 40703          | 54564         | 2.22%           | 0.269%        |
| 31        | 11.927      | 1668          | 1672        | 1681         | rVB2     | 134034         | 278648        | 11.32%          | 1.374%        |
| 32        | 12.110      | 1695          | 1703        | 1712         | rBV2     | 58964          | 126138        | 5.12%           | 0.622%        |
| 33        | 12.257      | 1722          | 1728        | 1731         | rBV      | 29308          | 44050         | 1.79%           | 0.217%        |
| 34        | 12.363      | 1741          | 1746        | 1749         | rBV      | 54315          | 77765         | 3.16%           | 0.383%        |
| 35        | 12.398      | 1749          | 1752        | 1758         | rVV2     | 39455          | 75958         | 3.08%           | 0.374%        |
| 36        | 12.451      | 1758          | 1761        | 1768         | rVB3     | 28717          | 44961         | 1.83%           | 0.222%        |

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 ClientSampleId :  
 B-113-SB01

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-BF012925.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 12.522 | 1768 | 1773 | 1778 | rBV  | 396626  | 525642  | 21.34%  | 2.591%  |
| 38 | 12.751 | 1802 | 1812 | 1818 | rBV  | 419128  | 646153  | 26.24%  | 3.185%  |
| 39 | 12.804 | 1818 | 1821 | 1826 | rVB3 | 36162   | 52713   | 2.14%   | 0.260%  |
| 40 | 12.898 | 1827 | 1837 | 1845 | rBV  | 1788857 | 2462607 | 100.00% | 12.139% |
| 41 | 12.974 | 1845 | 1850 | 1857 | rBV2 | 36700   | 65029   | 2.64%   | 0.321%  |
| 42 | 13.080 | 1861 | 1868 | 1872 | rVB  | 70429   | 134129  | 5.45%   | 0.661%  |
| 43 | 13.151 | 1872 | 1880 | 1883 | rBV  | 56535   | 92414   | 3.75%   | 0.456%  |
| 44 | 13.186 | 1883 | 1886 | 1889 | rBV  | 42160   | 47077   | 1.91%   | 0.232%  |
| 45 | 13.280 | 1898 | 1902 | 1904 | rBV2 | 26789   | 33744   | 1.37%   | 0.166%  |
| 46 | 13.310 | 1904 | 1907 | 1912 | rVB2 | 33794   | 40640   | 1.65%   | 0.200%  |
| 47 | 13.439 | 1925 | 1929 | 1933 | rBV  | 68893   | 95157   | 3.86%   | 0.469%  |
| 48 | 13.704 | 1968 | 1974 | 1976 | rBV3 | 24869   | 44552   | 1.81%   | 0.220%  |
| 49 | 13.951 | 2009 | 2016 | 2028 | rVB2 | 593709  | 1108295 | 45.00%  | 5.463%  |
| 50 | 14.057 | 2031 | 2034 | 2041 | rVB  | 22724   | 29545   | 1.20%   | 0.146%  |
| 51 | 14.339 | 2079 | 2082 | 2086 | rBV  | 28958   | 38292   | 1.55%   | 0.189%  |
| 52 | 14.433 | 2093 | 2098 | 2102 | rBV3 | 31215   | 49738   | 2.02%   | 0.245%  |
| 53 | 14.733 | 2145 | 2149 | 2158 | rVB4 | 19073   | 38984   | 1.58%   | 0.192%  |
| 54 | 14.986 | 2187 | 2192 | 2201 | rBV  | 87540   | 205729  | 8.35%   | 1.014%  |
| 55 | 15.280 | 2238 | 2242 | 2248 | rVB  | 45538   | 69611   | 2.83%   | 0.343%  |
| 56 | 15.345 | 2248 | 2253 | 2258 | rVV  | 74363   | 113072  | 4.59%   | 0.557%  |
| 57 | 15.410 | 2258 | 2264 | 2276 | rVB  | 327051  | 561206  | 22.79%  | 2.766%  |
| 58 | 16.833 | 2501 | 2506 | 2515 | rVB2 | 26329   | 63458   | 2.58%   | 0.313%  |
| 59 | 17.268 | 2574 | 2580 | 2595 | rVB  | 24484   | 64241   | 2.61%   | 0.317%  |

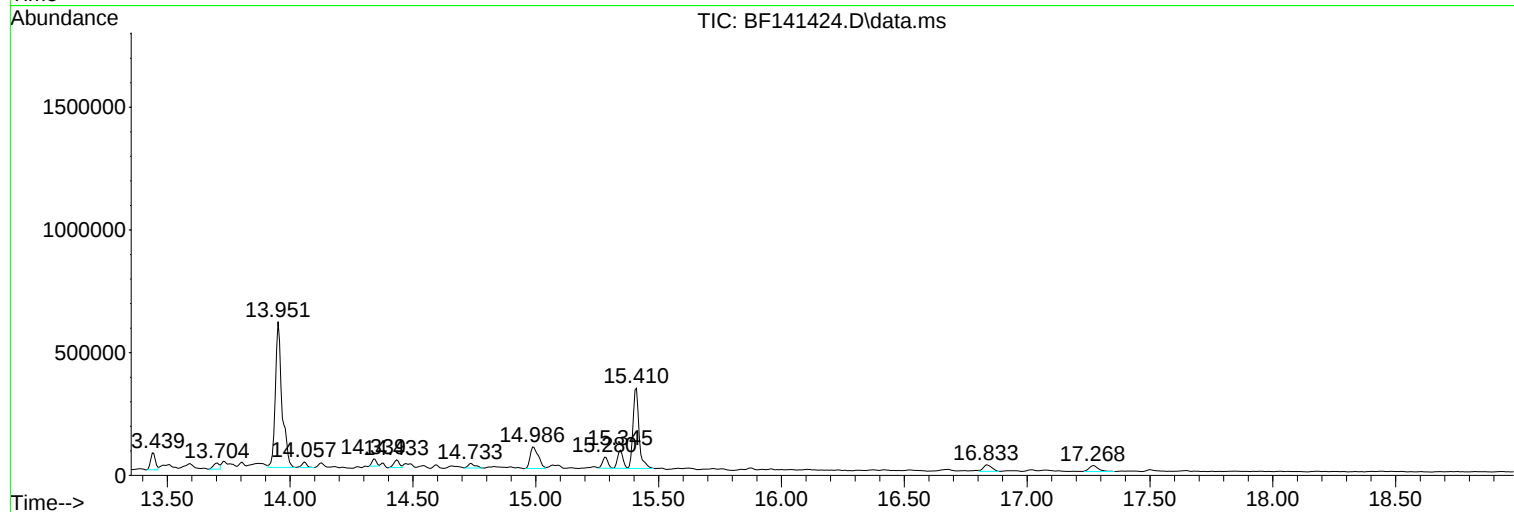
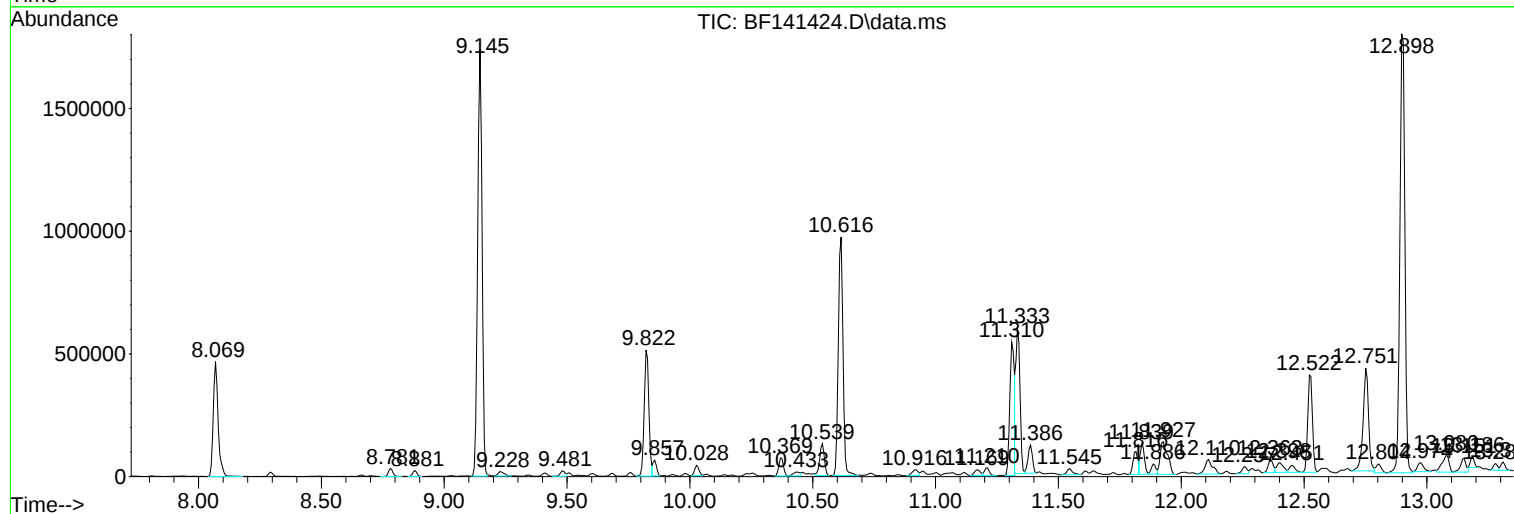
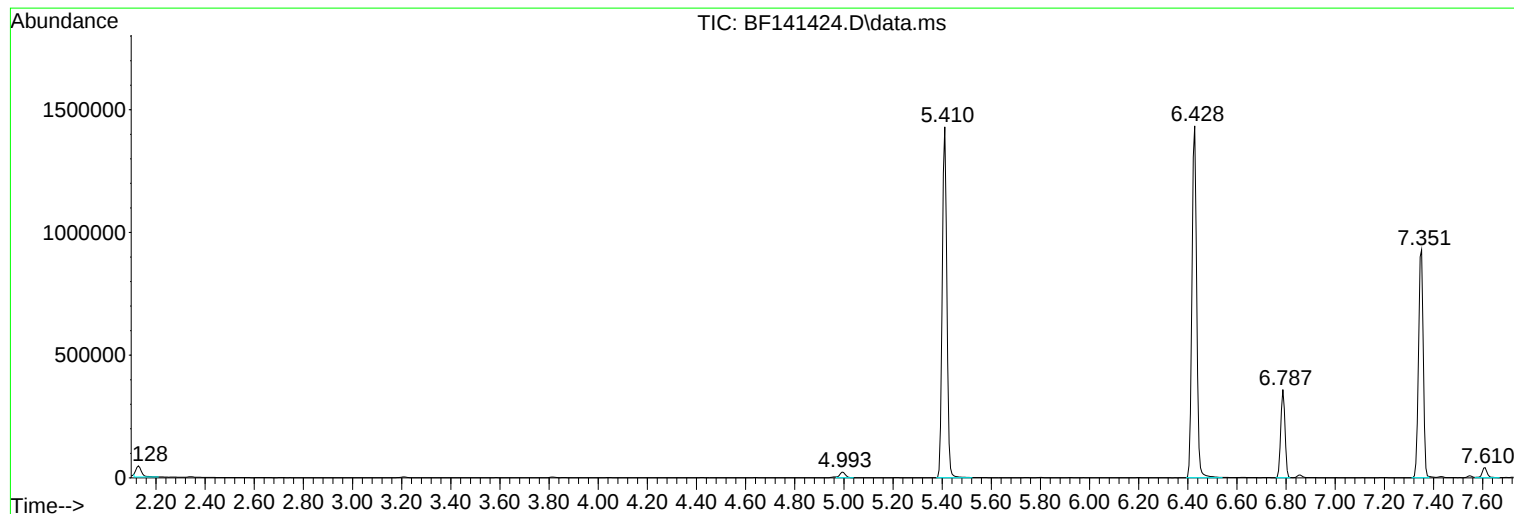
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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.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\BF020425\  
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Sample : Q1194-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-113-SB01

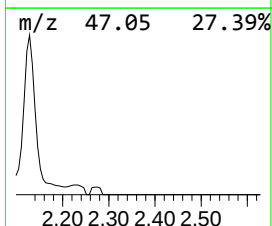
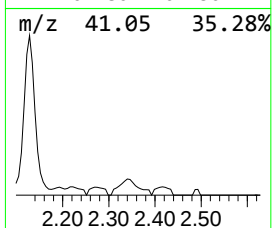
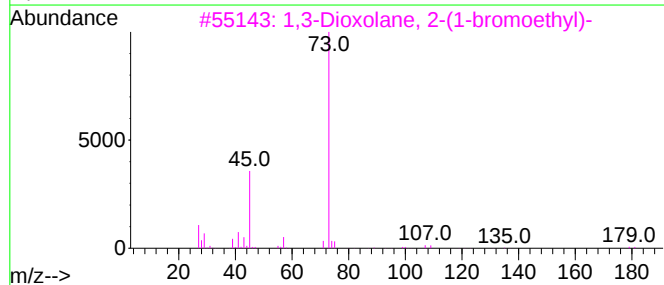
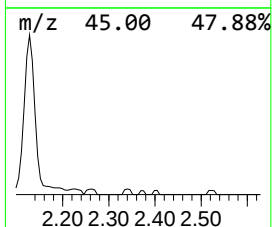
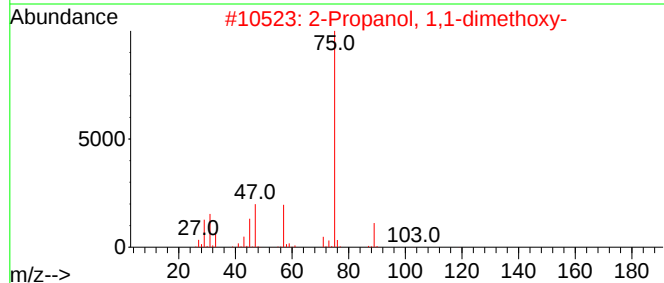
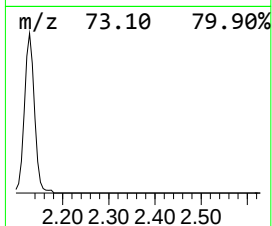
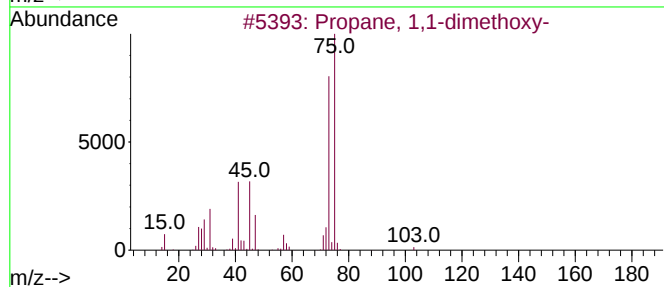
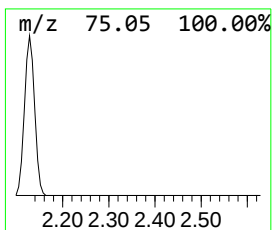
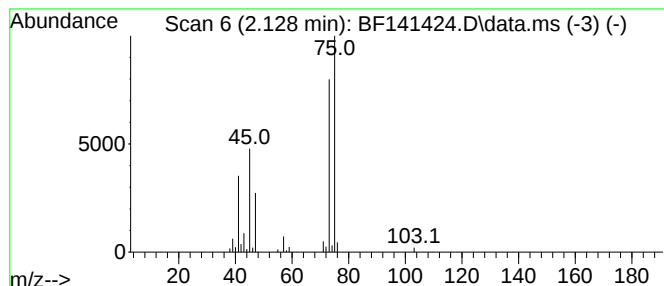
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 2.128 | 3.23 ng | 69880 | 1,4-Dichlorobenzene-d4 | 6.787 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Propane, 1,1-dimethoxy-          | 104 | C5H12O2  | 004744-10-9 | 64   |
| 2    |    |   | 2-Propanol, 1,1-dimethoxy-       | 120 | C5H12O3  | 042919-42-6 | 42   |
| 3    |    |   | 1,3-Dioxolane, 2-(1-bromoethyl)- | 180 | C5H9BrO2 | 005267-73-2 | 22   |
| 4    |    |   | Glycolaldehyde dimethyl acetal   | 106 | C4H10O3  | 030934-97-5 | 10   |
| 5    |    |   | Methane, isothiocyanato-         | 73  | C2H3NS   | 000556-61-6 | 9    |



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Instrument :  
BNA\_F  
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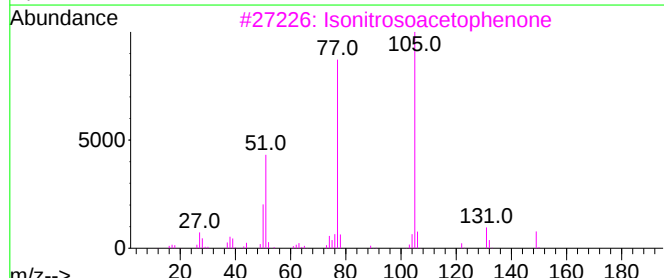
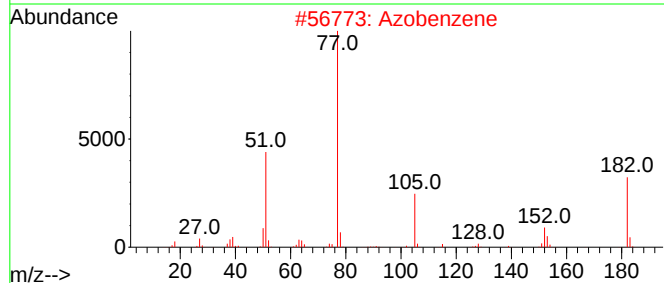
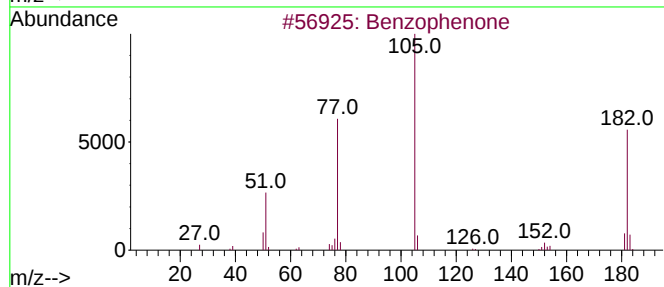
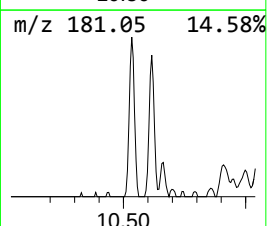
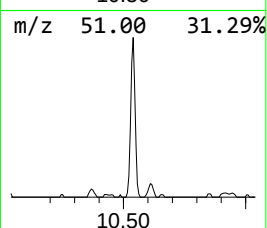
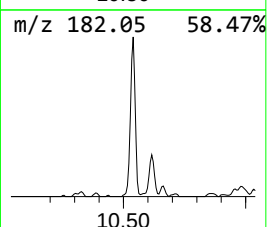
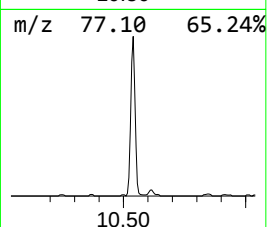
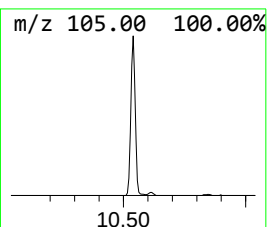
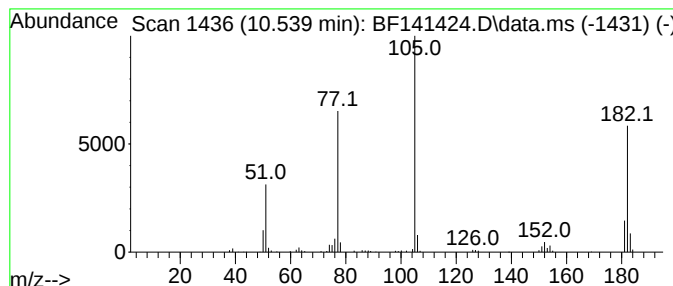
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Benzophenone Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.539 | 4.97 ng | 168887 | Acenaphthene-d10 | 9.822 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                    | 182 | C13H10O  | 000119-61-9 | 96   |
| 2    |    |   | Azobenzene                      | 182 | C12H10N2 | 000103-33-3 | 59   |
| 3    |    |   | Isonitrosoacetophenone          | 149 | C8H7NO2  | 000532-54-7 | 47   |
| 4    |    |   | 1-Propanone, 3-chloro-1-phenyl- | 168 | C9H9ClO  | 000936-59-4 | 47   |
| 5    |    |   | Vinyl benzoate                  | 148 | C9H8O2   | 000769-78-8 | 47   |



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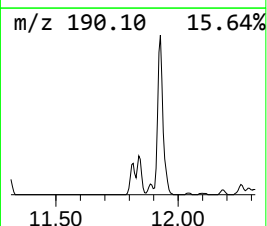
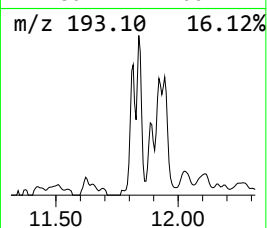
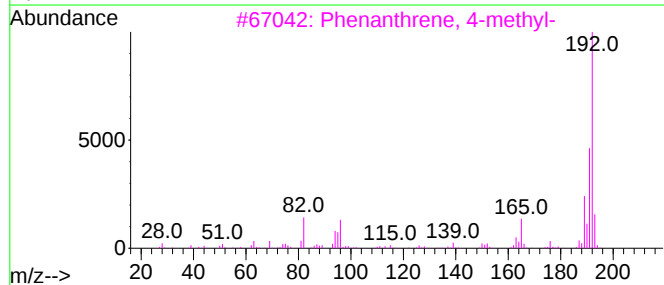
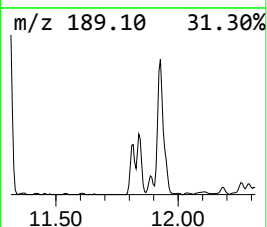
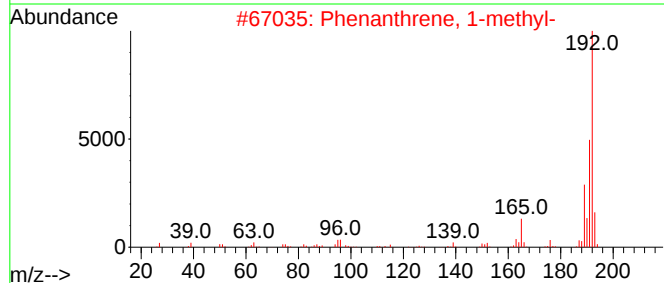
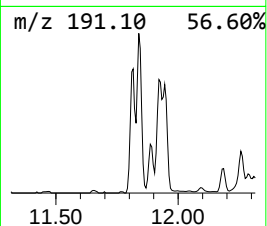
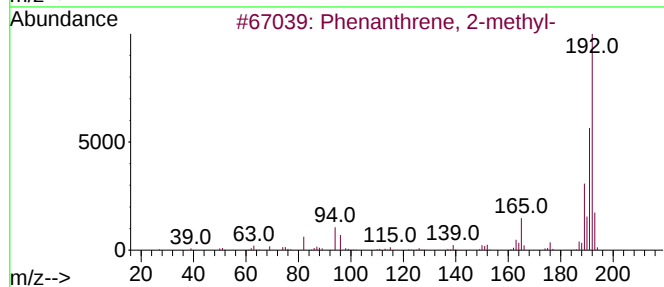
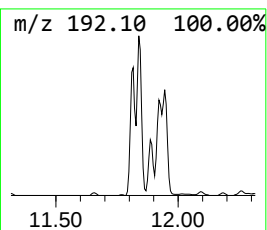
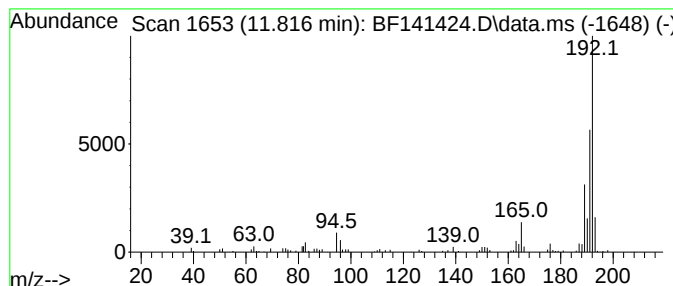
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.816 | 3.79 ng | 136099 | Phenanthrene-d10 | 11.310 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 93   |
| 2    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 93   |
| 3    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 93   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 93   |
| 5    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 91   |



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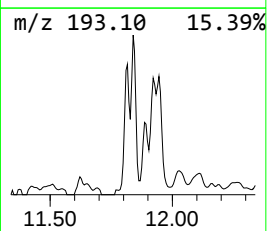
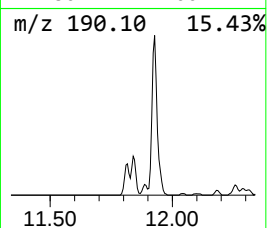
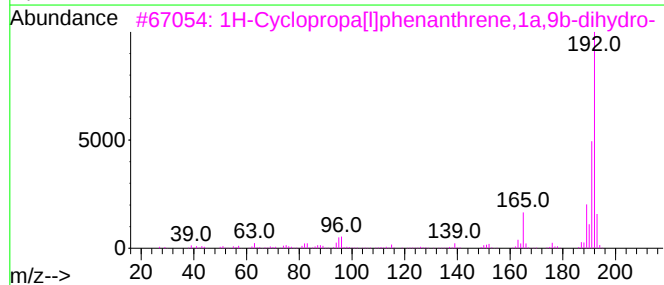
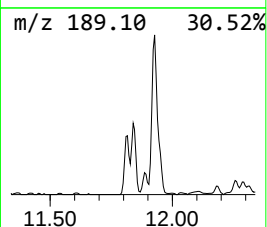
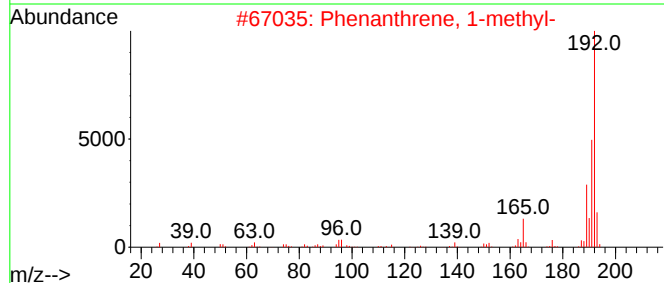
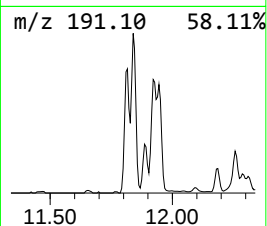
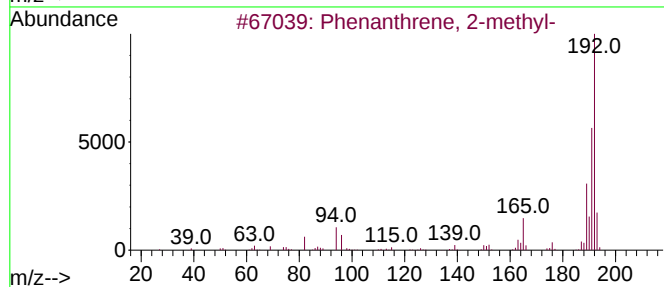
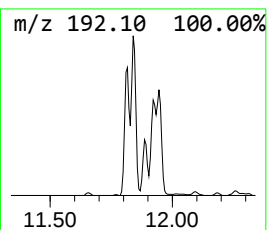
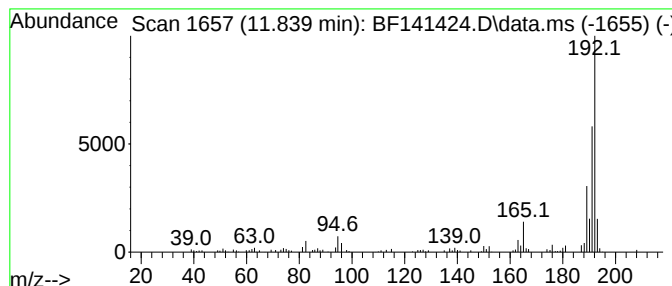
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.839 | 4.00 ng | 143676 | Phenanthrene-d10 | 11.310 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 95   |
| 3    |    |   | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 94   |
| 4    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 93   |
| 5    |    |   | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020425\  
Data File : BF141424.D  
Acq On : 04 Feb 2025 22:11  
Operator : RC/JU  
Sample : Q1194-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

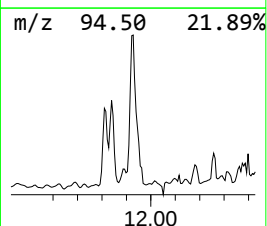
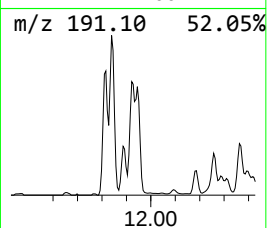
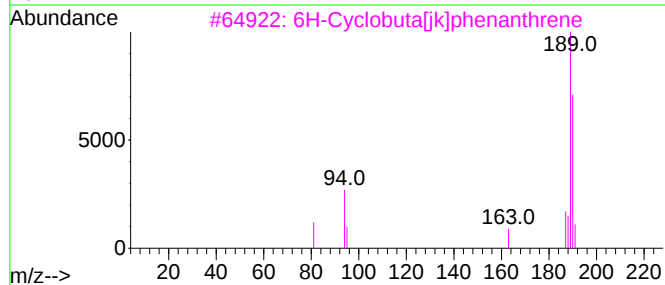
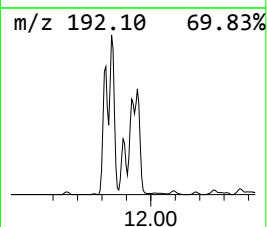
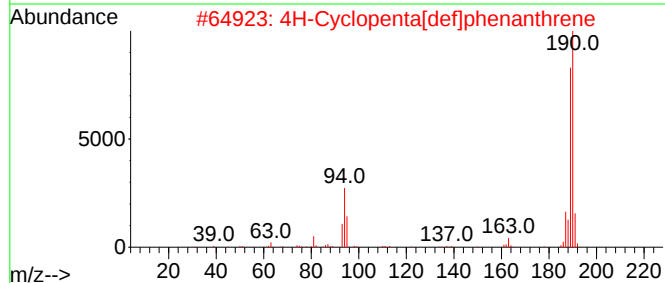
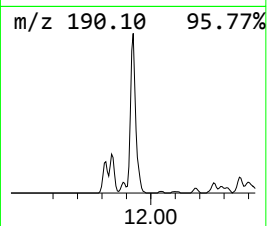
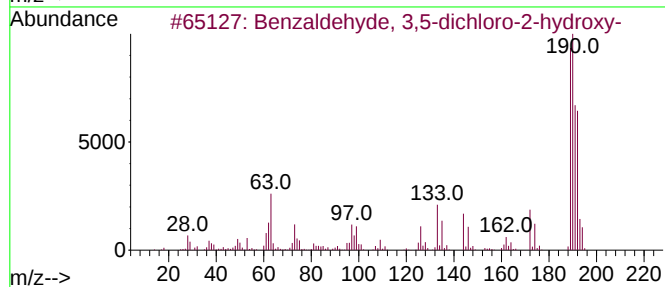
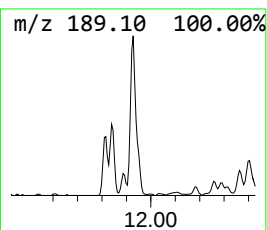
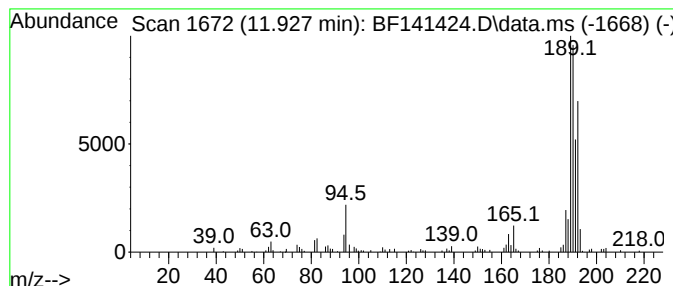
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.928 | 7.75 ng | 278648 | Phenanthrene-d10 | 11.310 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 72   |
| 2    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10    | 000203-64-5 | 70   |
| 3    |    |   | 6H-Cyclobuta[jk]phenanthrene        | 190 | C15H10    | 083469-43-6 | 58   |
| 4    |    |   | 3-Bromo-2-furoic acid               | 190 | C5H3BrO3  | 014903-90-3 | 27   |
| 5    |    |   | 1H-Indene, 2-phenyl-                | 192 | C15H12    | 004505-48-0 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020425\  
Data File : BF141424.D  
Acq On : 04 Feb 2025 22:11  
Operator : RC/JU  
Sample : Q1194-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-113-SB01

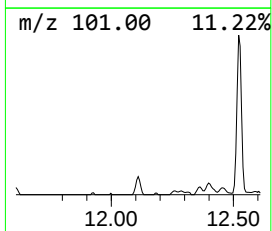
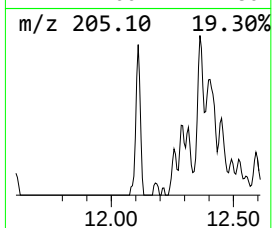
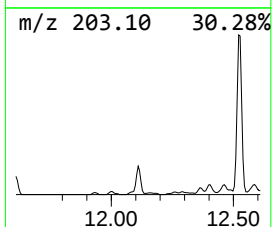
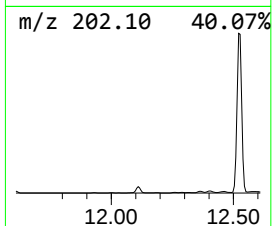
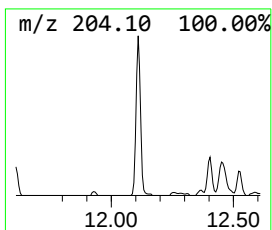
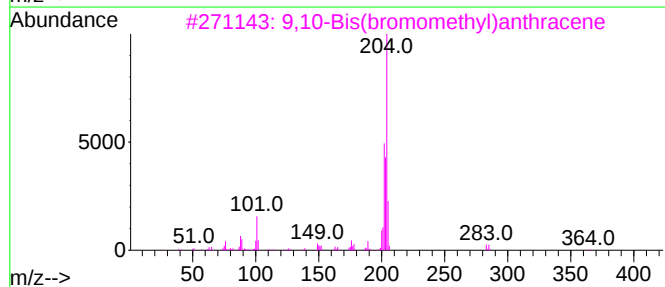
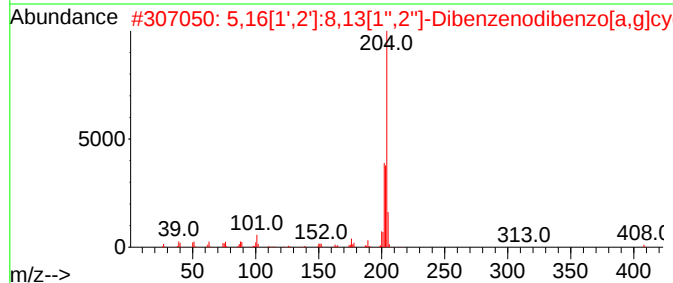
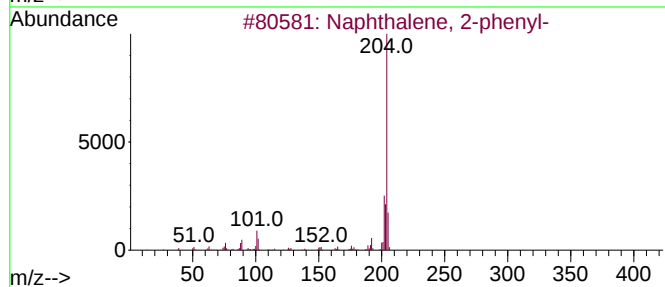
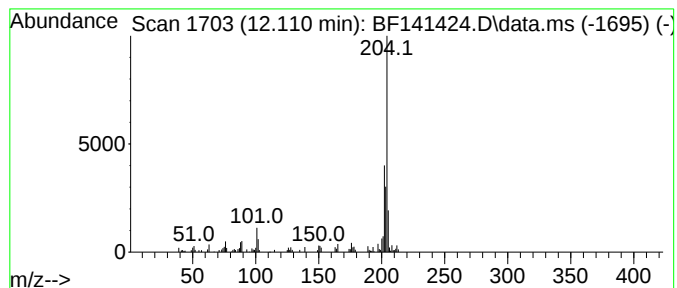
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.110 | 3.51 ng | 126138 | Phenanthrene-d10 | 11.310 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 94   |
| 2    |    |   | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24    | 005672-97-9 | 91   |
| 3    |    |   | 9,10-Bis(bromomethyl)anthracene     | 362 | C16H12Br2 | 034373-96-1 | 78   |
| 4    |    |   | Naphthalene, 1-phenyl-              | 204 | C16H12    | 000605-02-7 | 78   |
| 5    |    |   | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12    | 006572-60-7 | 68   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020425\  
Data File : BF141424.D  
Acq On : 04 Feb 2025 22:11  
Operator : RC/JU  
Sample : Q1194-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

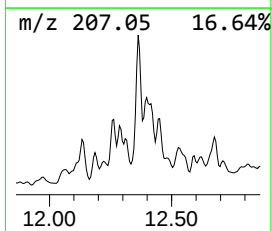
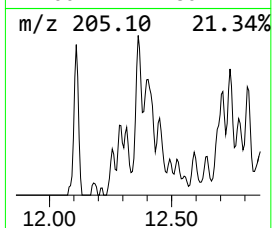
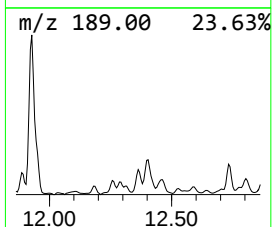
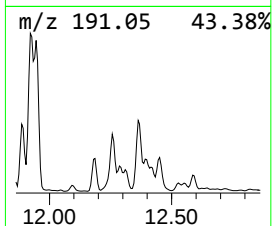
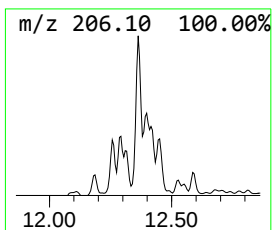
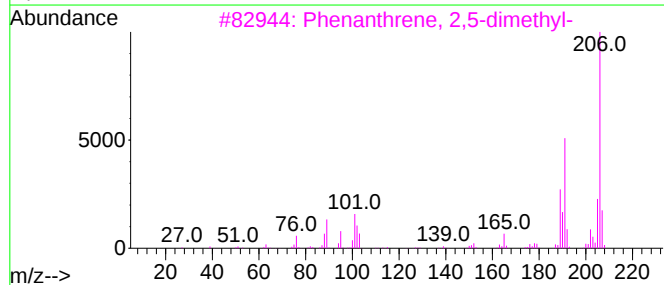
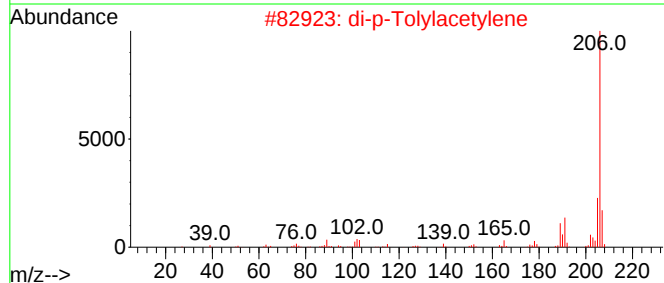
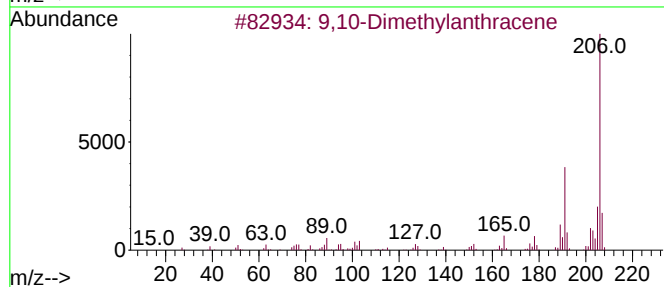
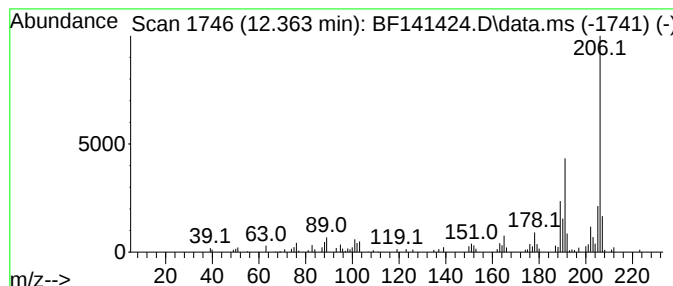
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 9,10-Dimethylantracene Concentration Rank 10

| R.T.   | EstConc | Area  | Relative to ISTD |  | R.T.   |
|--------|---------|-------|------------------|--|--------|
| 12.363 | 2.16 ng | 77765 | Phenanthrene-d10 |  | 11.310 |

| Hit# | of 5                        | Tentative ID | MW     | MolForm     | CAS# | Qual |
|------|-----------------------------|--------------|--------|-------------|------|------|
| 1    | 9,10-Dimethylantracene      | 206          | C16H14 | 000781-43-1 | 94   |      |
| 2    | di-p-Tolylacetylene         | 206          | C16H14 | 002789-88-0 | 93   |      |
| 3    | Phenanthrene, 2,5-dimethyl- | 206          | C16H14 | 003674-66-6 | 93   |      |
| 4    | Phenanthrene, 1,7-dimethyl- | 206          | C16H14 | 000483-87-4 | 90   |      |
| 5    | Phenanthrene, 3,6-dimethyl- | 206          | C16H14 | 001576-67-6 | 90   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020425\  
Data File : BF141424.D  
Acq On : 04 Feb 2025 22:11  
Operator : RC/JU  
Sample : Q1194-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

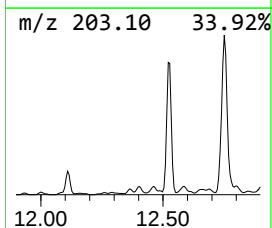
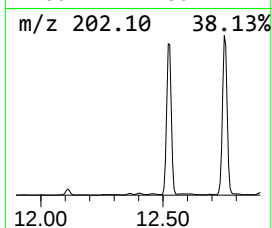
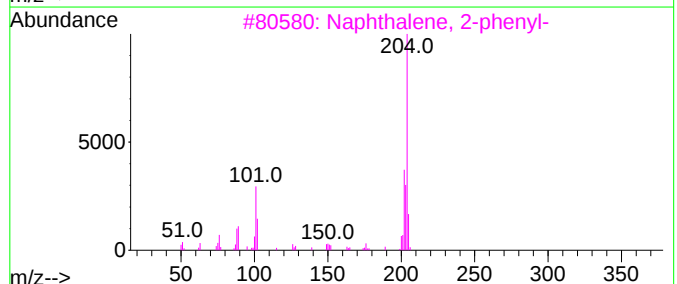
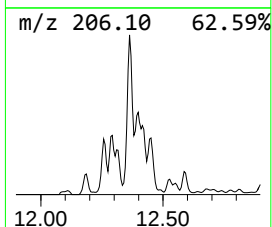
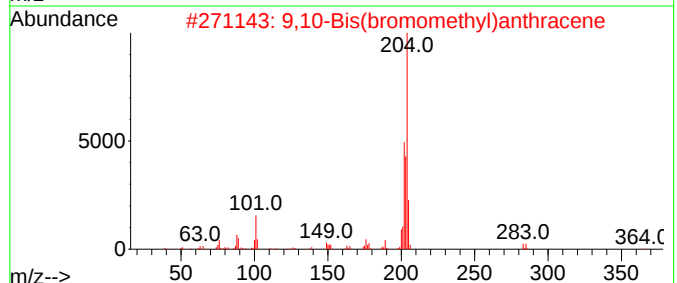
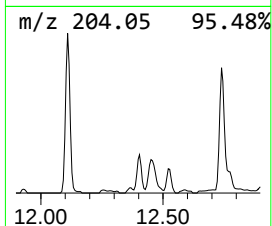
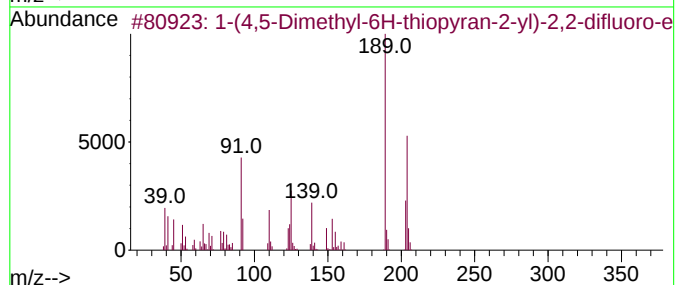
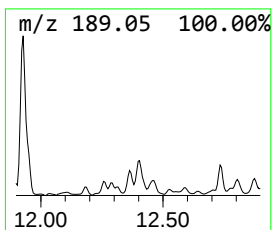
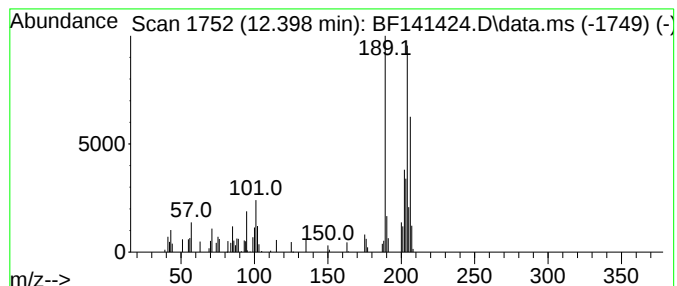
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown12.398 Concentration Rank 11

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.398 | 2.11 ng | 75958 | Phenanthrene-d10 | 11.310 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 1-(4,5-Dimethyl-6H-thiopyran-2-y... | 204 | C9H10F2OS    | 1000318-25-0 | 49      |      |      |
| 2    | 9,10-Bis(bromomethyl)anthracene     | 362 | C16H12Br2    | 034373-96-1  | 46      |      |      |
| 3    | Naphthalene, 2-phenyl-              | 204 | C16H12       | 000612-94-2  | 46      |      |      |
| 4    | Naphthalene, 1,2,4a,5,8,8a-hexah... | 204 | C15H24       | 005951-61-1  | 46      |      |      |
| 5    | 3,4-Dihydrocoumarin, 4,4-dimethy... | 204 | C13H16O2     | 029423-74-3  | 43      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020425\  
Data File : BF141424.D  
Acq On : 04 Feb 2025 22:11  
Operator : RC/JU  
Sample : Q1194-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-113-SB01

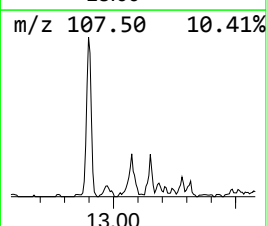
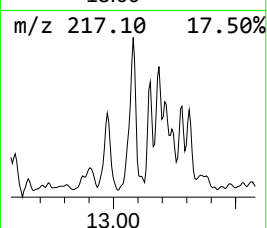
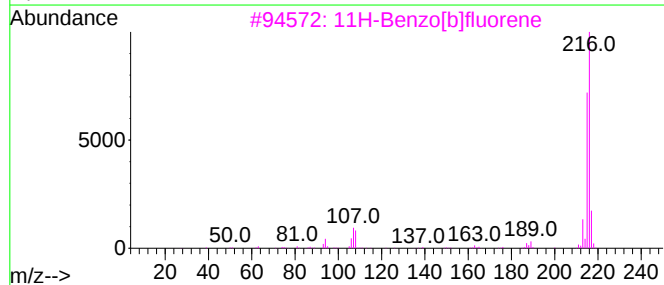
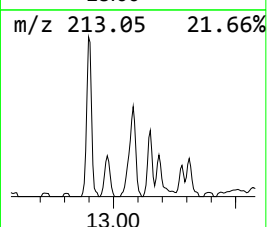
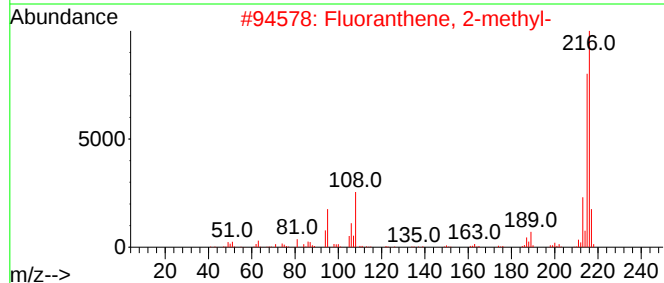
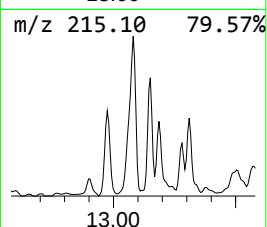
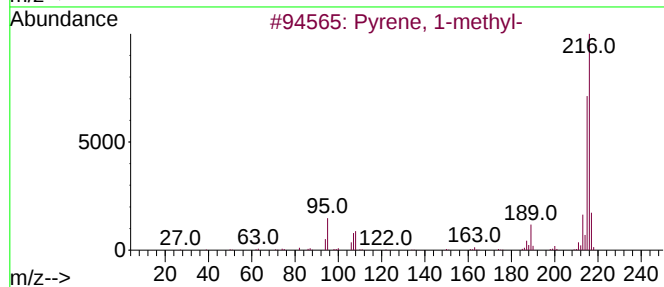
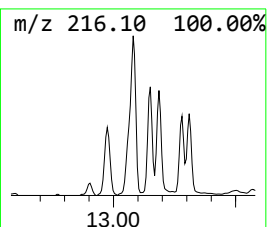
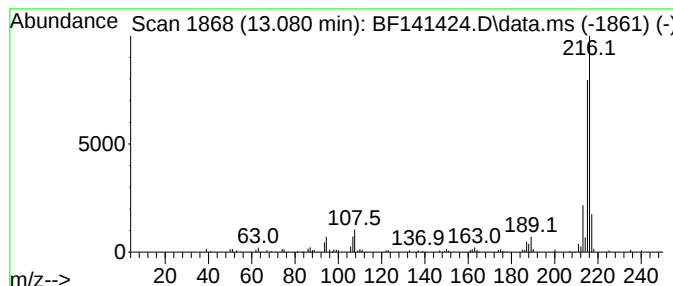
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Pyrene, 1-methyl- Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.080 | 2.42 ng | 134129 | Chrysene-d12     | 13.951 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 94   |
| 2    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 93   |
| 3    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 91   |
| 4    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 91   |
| 5    |    |   | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020425\  
Data File : BF141424.D  
Acq On : 04 Feb 2025 22:11  
Operator : RC/JU  
Sample : Q1194-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-113-SB01

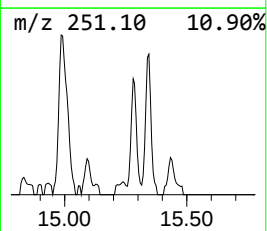
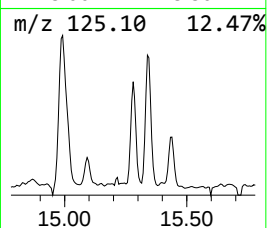
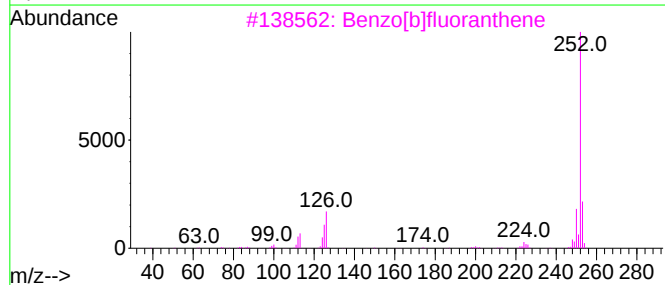
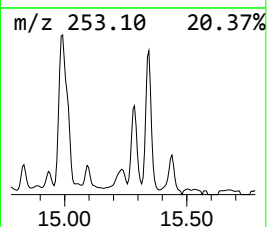
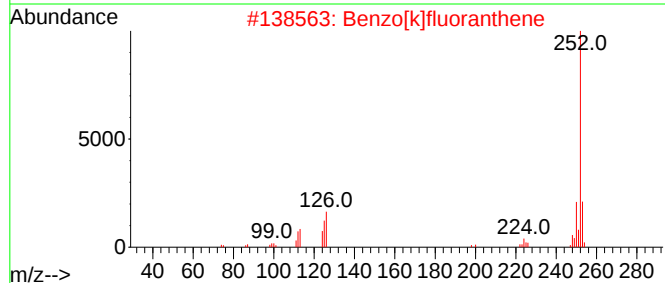
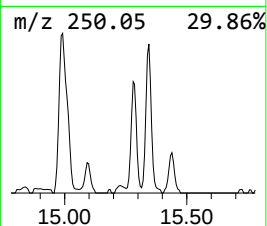
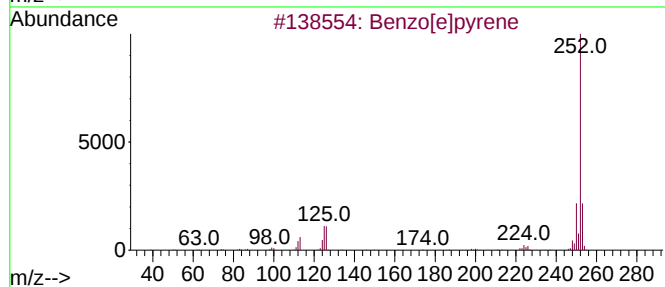
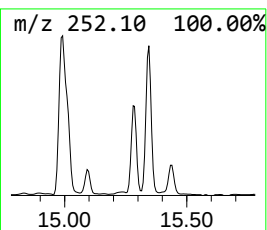
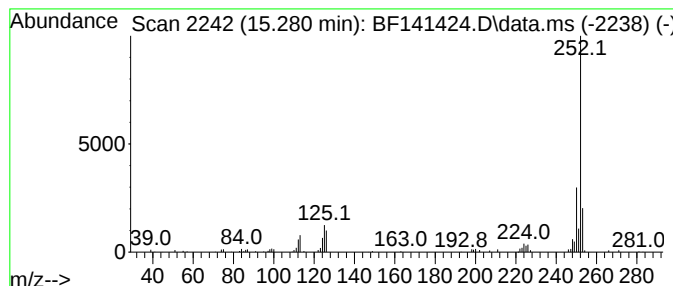
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Benzo[e]pyrene Concentration Rank 7

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.280 | 2.48 ng | 69611 | Perylene-d12     | 15.410 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020425\  
Data File : BF141424.D  
Acq On : 04 Feb 2025 22:11  
Operator : RC/JU  
Sample : Q1194-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-113-SB01

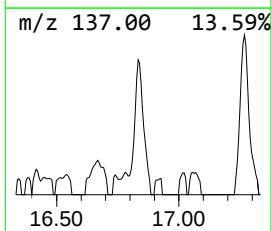
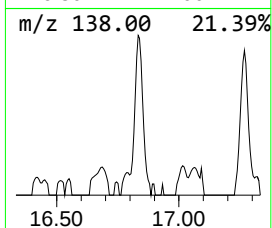
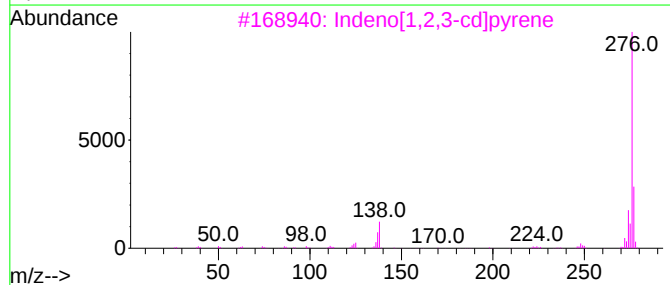
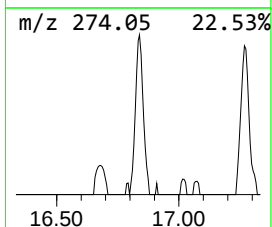
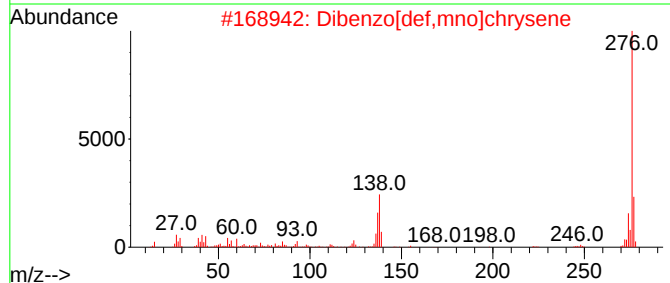
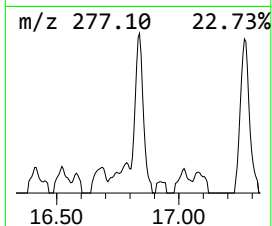
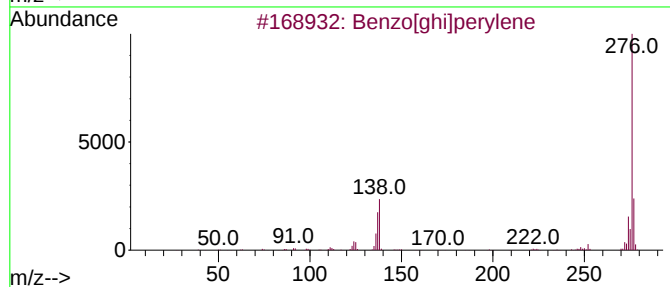
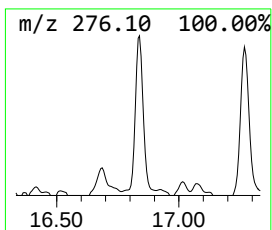
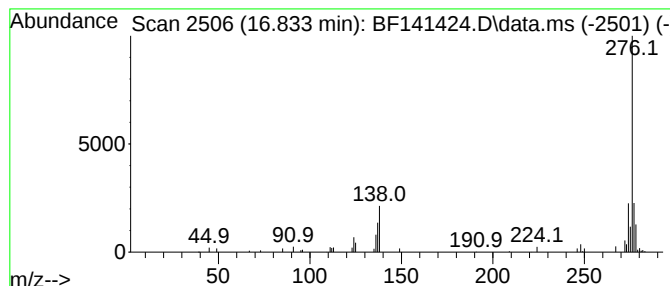
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Dibenzo[def,mno]chrysene Concentration Rank 9

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 16.833 | 2.26 ng | 63458 | Perylene-d12     | 15.410 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Benzo[ghi]perylene                  | 276 | C22H12    | 000191-24-2  | 94   |
| 2    |    |   | Dibenzo[def,mno]chrysene            | 276 | C22H12    | 000191-26-4  | 94   |
| 3    |    |   | Indeno[1,2,3-cd]pyrene              | 276 | C22H12    | 000193-39-5  | 91   |
| 4    |    |   | Indeno[1,2,3-cd]fluoranthene        | 276 | C22H12    | 000193-43-1  | 76   |
| 5    |    |   | acetonitrile, 2-(3,4-diphenyl-2(... | 276 | C17H12N2S | 1000397-07-9 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020425\  
Data File : BF141424.D  
Acq On : 04 Feb 2025 22:11  
Operator : RC/JU  
Sample : Q1194-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.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 |
| Propane, 1,1-di... | 2.128  | 3.2     | ng    | 69880    | 1                     | 6.787  | 433180  | 20.0 |
| Benzophenone       | 10.539 | 5.0     | ng    | 168887   | 3                     | 9.822  | 679373  | 20.0 |
| Phenanthrene, 2... | 11.816 | 3.8     | ng    | 136099   | 4                     | 11.310 | 718683  | 20.0 |
| Phenanthrene, 1... | 11.839 | 4.0     | ng    | 143676   | 4                     | 11.310 | 718683  | 20.0 |
| Benzaldehyde, 3... | 11.928 | 7.8     | ng    | 278648   | 4                     | 11.310 | 718683  | 20.0 |
| Naphthalene, 2-... | 12.110 | 3.5     | ng    | 126138   | 4                     | 11.310 | 718683  | 20.0 |
| 9,10-Dimethylan... | 12.363 | 2.2     | ng    | 77765    | 4                     | 11.310 | 718683  | 20.0 |
| unknown12.398      | 12.398 | 2.1     | ng    | 75958    | 4                     | 11.310 | 718683  | 20.0 |
| Pyrene, 1-methyl-  | 13.080 | 2.4     | ng    | 134129   | 5                     | 13.951 | 1108300 | 20.0 |
| Benzo[e]pyrene     | 15.280 | 2.5     | ng    | 69611    | 6                     | 15.410 | 561206  | 20.0 |
| Dibenzo[def,mno... | 16.833 | 2.3     | ng    | 63458    | 6                     | 15.410 | 561206  | 20.0 |