

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
 Data File : BF136830.D  
 Acq On : 29 Dec 2023 15:40  
 Operator : CG\JU  
 Sample : 05899-12  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GHL-SS-02

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: BF136830.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         | 2.381       | 35            | 50          | 59           | rVB      | 72128          | 138457        | 8.38%           | 0.757%        |
| 2         | 4.187       | 348           | 357         | 362          | rVB      | 16701          | 21761         | 1.32%           | 0.119%        |
| 3         | 4.257       | 365           | 369         | 375          | rBV      | 22860          | 26751         | 1.62%           | 0.146%        |
| 4         | 4.387       | 387           | 391         | 397          | rBV      | 184133         | 237561        | 14.37%          | 1.299%        |
| 5         | 4.469       | 402           | 405         | 412          | rVB      | 15776          | 19942         | 1.21%           | 0.109%        |
| 6         | 5.016       | 493           | 498         | 508          | rVB      | 30409          | 40973         | 2.48%           | 0.224%        |
| 7         | 5.275       | 538           | 542         | 546          | rBV      | 178283         | 179511        | 10.86%          | 0.982%        |
| 8         | 5.381       | 556           | 560         | 564          | rBV      | 342518         | 431706        | 26.12%          | 2.361%        |
| 9         | 5.422       | 564           | 567         | 575          | rVB      | 1414902        | 1236809       | 74.83%          | 6.765%        |
| 10        | 5.634       | 600           | 603         | 607          | rBV      | 166730         | 141093        | 8.54%           | 0.772%        |
| 11        | 5.698       | 611           | 614         | 618          | rVB      | 21544          | 20293         | 1.23%           | 0.111%        |
| 12        | 5.951       | 652           | 657         | 661          | rBV      | 46868          | 53435         | 3.23%           | 0.292%        |
| 13        | 6.034       | 668           | 671         | 677          | rBV3     | 23311          | 29523         | 1.79%           | 0.161%        |
| 14        | 6.245       | 704           | 707         | 711          | rVB      | 98272          | 86562         | 5.24%           | 0.473%        |
| 15        | 6.310       | 715           | 718         | 720          | rVV      | 452155         | 364800        | 22.07%          | 1.995%        |
| 16        | 6.339       | 720           | 723         | 726          | rVB      | 212476         | 162470        | 9.83%           | 0.889%        |
| 17        | 6.381       | 726           | 730         | 734          | rBV      | 190147         | 170311        | 10.30%          | 0.932%        |
| 18        | 6.428       | 734           | 738         | 741          | rVV      | 1456877        | 1252158       | 75.76%          | 6.849%        |
| 19        | 6.469       | 742           | 745         | 750          | rVB      | 126197         | 122318        | 7.40%           | 0.669%        |
| 20        | 6.604       | 765           | 768         | 772          | rBV      | 502552         | 427969        | 25.89%          | 2.341%        |
| 21        | 6.781       | 794           | 798         | 802          | rBV      | 540160         | 420193        | 25.42%          | 2.298%        |
| 22        | 6.834       | 804           | 807         | 813          | rBV      | 84436          | 67697         | 4.10%           | 0.370%        |
| 23        | 6.957       | 825           | 828         | 831          | rVB      | 106460         | 78149         | 4.73%           | 0.427%        |
| 24        | 7.028       | 837           | 840         | 843          | rBV2     | 36213          | 47481         | 2.87%           | 0.260%        |
| 25        | 7.098       | 847           | 852         | 854          | rBV      | 44502          | 40224         | 2.43%           | 0.220%        |
| 26        | 7.310       | 883           | 888         | 890          | rBV      | 26316          | 27923         | 1.69%           | 0.153%        |
| 27        | 7.345       | 890           | 894         | 897          | rVB      | 898360         | 823166        | 49.81%          | 4.503%        |
| 28        | 7.898       | 985           | 988         | 991          | rVB      | 29527          | 24827         | 1.50%           | 0.136%        |
| 29        | 8.057       | 1011          | 1015        | 1017         | rBV      | 685738         | 556541        | 33.67%          | 3.044%        |
| 30        | 8.081       | 1017          | 1019        | 1022         | rVV      | 323722         | 251738        | 15.23%          | 1.377%        |
| 31        | 8.128       | 1024          | 1027        | 1033         | rVB      | 25077          | 24362         | 1.47%           | 0.133%        |
| 32        | 8.769       | 1133          | 1136        | 1144         | rBV      | 137367         | 110384        | 6.68%           | 0.604%        |
| 33        | 8.869       | 1148          | 1153        | 1159         | rVV      | 125790         | 97983         | 5.93%           | 0.536%        |
| 34        | 9.133       | 1194          | 1198        | 1201         | rBV      | 1899303        | 1652766       | 100.00%         | 9.040%        |
| 35        | 9.233       | 1212          | 1215        | 1226         | rVB      | 90561          | 84005         | 5.08%           | 0.459%        |
| 36        | 9.392       | 1239          | 1242        | 1248         | rVB2     | 21708          | 31558         | 1.91%           | 0.173%        |

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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GHL-SS-02

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 | 9.475  | 1252 | 1256 | 1258 | rBV  | 23898   | 24498   | 1.48%  | 0.134% |
| 38 | 9.816  | 1307 | 1314 | 1316 | rBV  | 762928  | 626027  | 37.88% | 3.424% |
| 39 | 9.845  | 1316 | 1319 | 1323 | rVV  | 513443  | 423565  | 25.63% | 2.317% |
| 40 | 9.886  | 1323 | 1326 | 1329 | rVB  | 30898   | 25855   | 1.56%  | 0.141% |
| 41 | 10.022 | 1345 | 1349 | 1353 | rBV  | 233189  | 210191  | 12.72% | 1.150% |
| 42 | 10.363 | 1403 | 1407 | 1413 | rBV  | 342728  | 277587  | 16.80% | 1.518% |
| 43 | 10.451 | 1420 | 1422 | 1424 | rVB2 | 24745   | 18949   | 1.15%  | 0.104% |
| 44 | 10.522 | 1432 | 1434 | 1438 | rVB  | 29248   | 22567   | 1.37%  | 0.123% |
| 45 | 10.610 | 1445 | 1449 | 1455 | rBV  | 1123928 | 1005772 | 60.85% | 5.501% |
| 46 | 10.733 | 1464 | 1470 | 1475 | rVV  | 32170   | 31509   | 1.91%  | 0.172% |
| 47 | 10.798 | 1478 | 1481 | 1485 | rVB2 | 21854   | 19766   | 1.20%  | 0.108% |
| 48 | 10.916 | 1495 | 1501 | 1503 | rBV3 | 18927   | 21096   | 1.28%  | 0.115% |
| 49 | 11.204 | 1547 | 1550 | 1555 | rVB  | 44201   | 37839   | 2.29%  | 0.207% |
| 50 | 11.310 | 1564 | 1568 | 1570 | rBV  | 720199  | 700281  | 42.37% | 3.830% |
| 51 | 11.333 | 1570 | 1572 | 1575 | rVV  | 728819  | 537982  | 32.55% | 2.943% |
| 52 | 11.386 | 1575 | 1581 | 1584 | rVV  | 704222  | 631548  | 38.21% | 3.454% |
| 53 | 11.545 | 1604 | 1608 | 1616 | rBV  | 211999  | 201176  | 12.17% | 1.100% |
| 54 | 11.810 | 1648 | 1653 | 1656 | rBV  | 28750   | 26215   | 1.59%  | 0.143% |
| 55 | 11.839 | 1656 | 1658 | 1663 | rBV2 | 100893  | 107202  | 6.49%  | 0.586% |
| 56 | 11.886 | 1663 | 1666 | 1669 | rVB  | 44087   | 37189   | 2.25%  | 0.203% |
| 57 | 11.921 | 1669 | 1672 | 1675 | rBV  | 95025   | 90470   | 5.47%  | 0.495% |
| 58 | 12.110 | 1702 | 1704 | 1707 | rVB  | 32612   | 24826   | 1.50%  | 0.136% |
| 59 | 12.257 | 1726 | 1729 | 1732 | rVB2 | 27625   | 21734   | 1.32%  | 0.119% |
| 60 | 12.527 | 1771 | 1775 | 1778 | rBV  | 484370  | 407677  | 24.67% | 2.230% |
| 61 | 12.757 | 1807 | 1814 | 1817 | rBV  | 277145  | 331805  | 20.08% | 1.815% |
| 62 | 12.904 | 1835 | 1839 | 1842 | rVB  | 1870985 | 1574301 | 95.25% | 8.611% |
| 63 | 12.980 | 1847 | 1852 | 1856 | rVB2 | 10854   | 19275   | 1.17%  | 0.105% |
| 64 | 13.086 | 1863 | 1870 | 1875 | rVB  | 47975   | 55669   | 3.37%  | 0.304% |
| 65 | 13.151 | 1875 | 1881 | 1884 | rBV  | 49398   | 49100   | 2.97%  | 0.269% |
| 66 | 13.963 | 2012 | 2019 | 2022 | rBV2 | 520216  | 544739  | 32.96% | 2.980% |
| 67 | 13.986 | 2022 | 2023 | 2030 | rVB  | 61654   | 42155   | 2.55%  | 0.231% |
| 68 | 14.063 | 2032 | 2036 | 2040 | rBV2 | 26110   | 31696   | 1.92%  | 0.173% |
| 69 | 15.010 | 2193 | 2197 | 2200 | rBV  | 31042   | 48892   | 2.96%  | 0.267% |
| 70 | 15.315 | 2246 | 2249 | 2255 | rVB2 | 19719   | 26820   | 1.62%  | 0.147% |
| 71 | 15.380 | 2255 | 2260 | 2265 | rBV2 | 21235   | 39433   | 2.39%  | 0.216% |
| 72 | 15.445 | 2266 | 2271 | 2275 | rBV  | 304000  | 377872  | 22.86% | 2.067% |
| 73 | 15.921 | 2349 | 2352 | 2359 | rVB4 | 12960   | 22249   | 1.35%  | 0.122% |
| 74 | 16.956 | 2523 | 2528 | 2536 | rVB4 | 10540   | 24643   | 1.49%  | 0.135% |
| 75 | 17.056 | 2541 | 2545 | 2551 | rVV7 | 11843   | 23473   | 1.42%  | 0.128% |
| 76 | 17.792 | 2662 | 2670 | 2675 | rBV8 | 13636   | 35212   | 2.13%  | 0.193% |

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Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

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

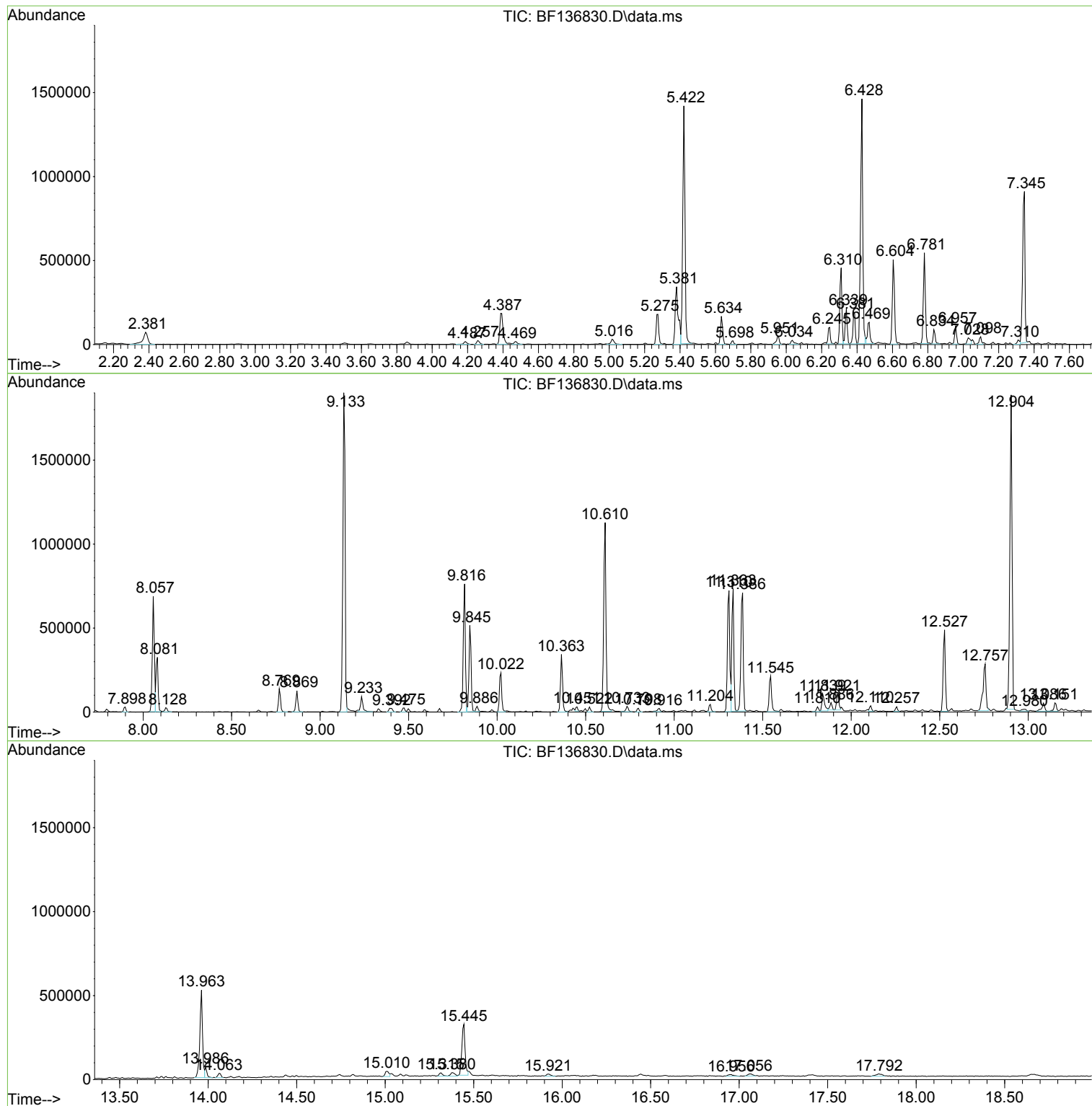
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
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Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
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Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

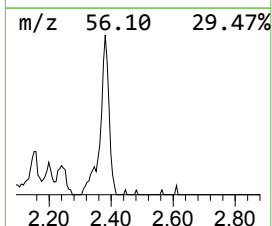
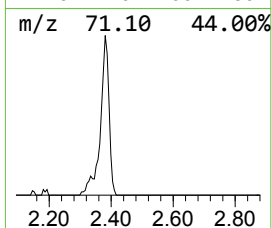
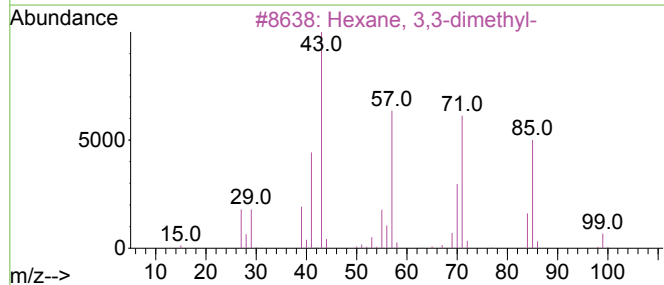
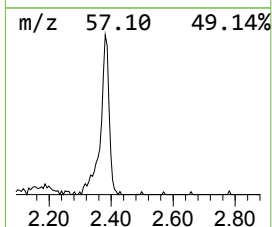
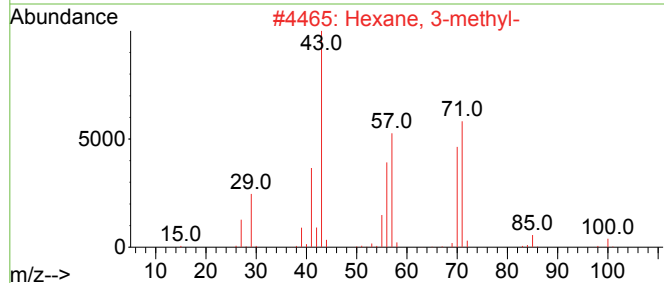
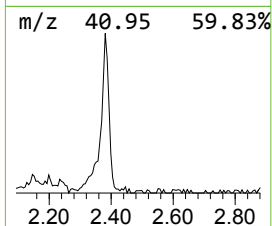
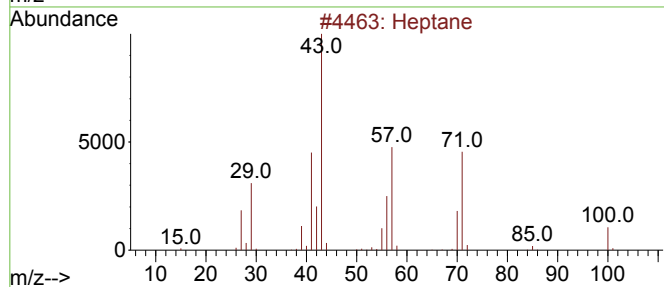
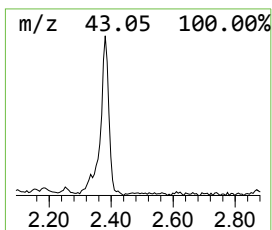
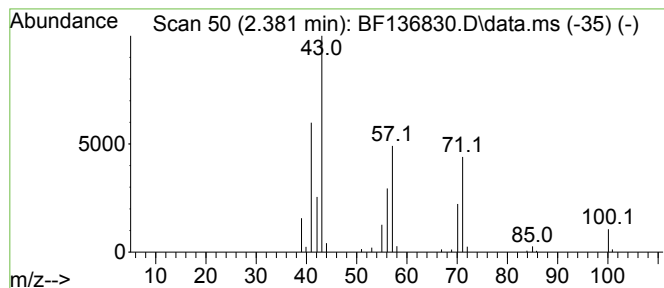
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Heptane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 2.381 | 6.59 ng | 138457 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------|-----|---------|-------------|------|
| 1    |      | Heptane               | 100 | C7H16   | 000142-82-5 | 95   |
| 2    |      | Hexane, 3-methyl-     | 100 | C7H16   | 000589-34-4 | 50   |
| 3    |      | Hexane, 3,3-dimethyl- | 114 | C8H18   | 000563-16-6 | 40   |
| 4    |      | Pentane, 2-methyl-    | 86  | C6H14   | 000107-83-5 | 38   |
| 5    |      | Pyrrolidine           | 71  | C4H9N   | 000123-75-1 | 37   |



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Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

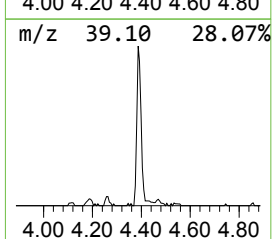
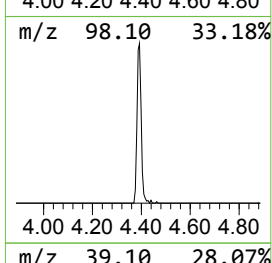
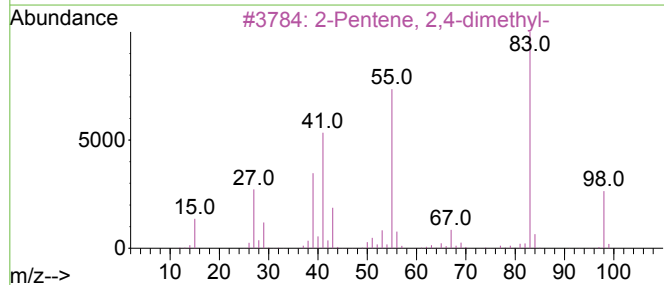
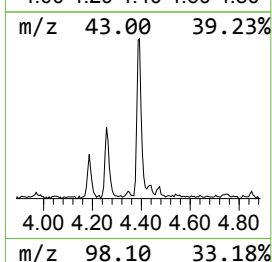
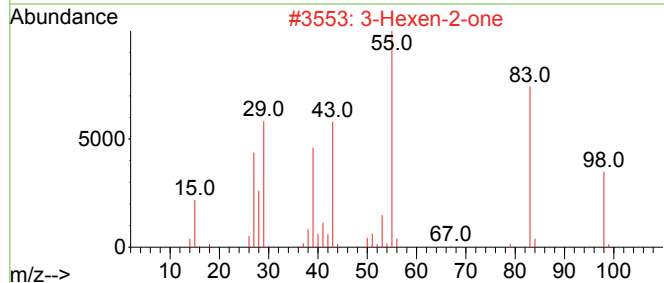
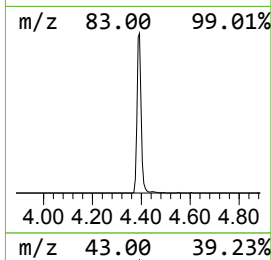
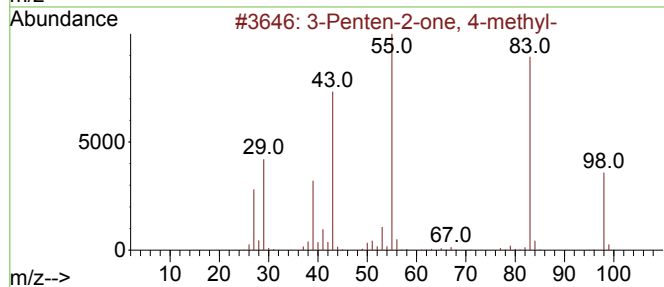
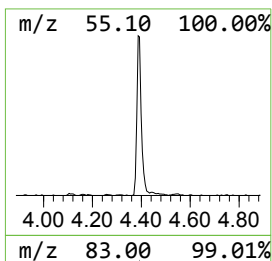
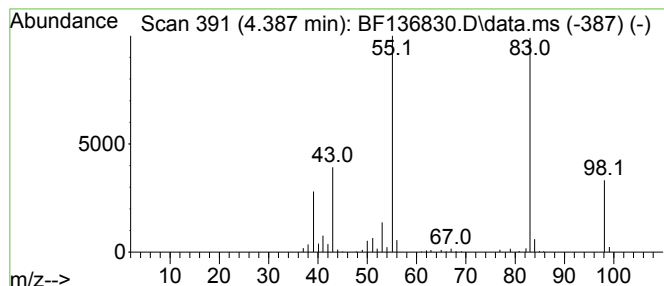
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 4.387 | 11.31 ng | 237561 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of 5 | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|------|--------------------------------|----|---------|-------------|------|
| 1    |      | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 91   |
| 2    |      | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9 | 91   |
| 3    |      | 2-Pentene, 2,4-dimethyl-       | 98 | C7H14   | 000625-65-0 | 87   |
| 4    |      | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14   | 004914-92-5 | 86   |
| 5    |      | 2-Pentene, 4,4-dimethyl-, (E)- | 98 | C7H14   | 000690-08-4 | 86   |



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

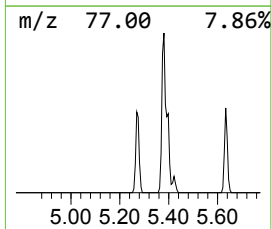
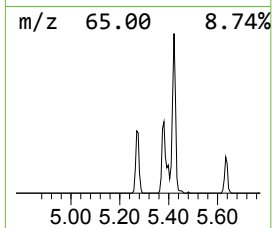
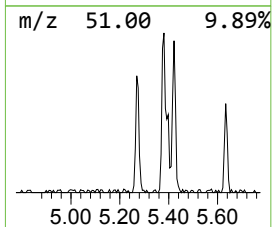
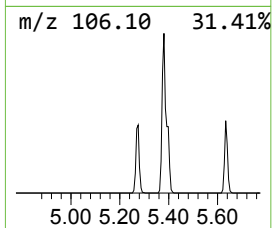
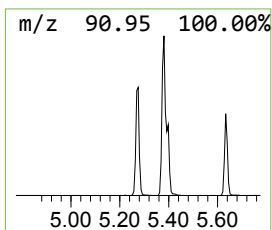
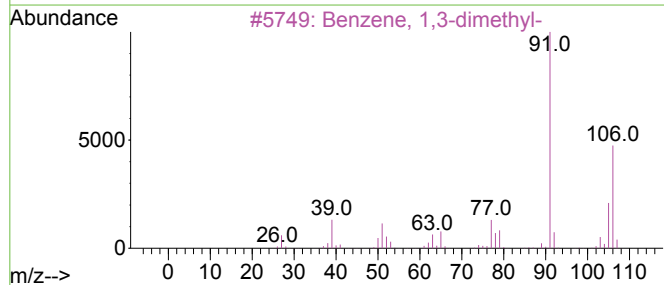
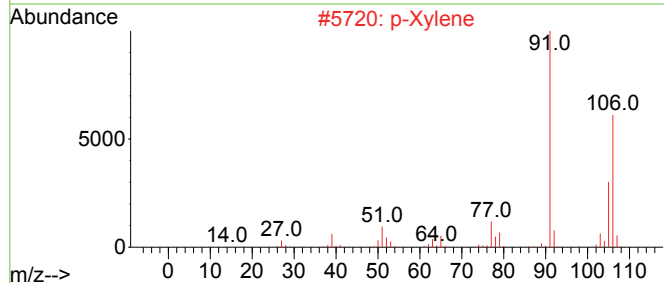
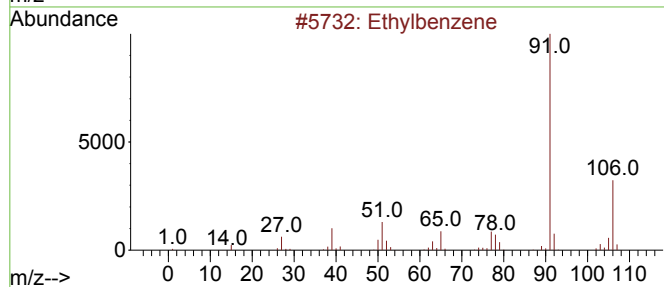
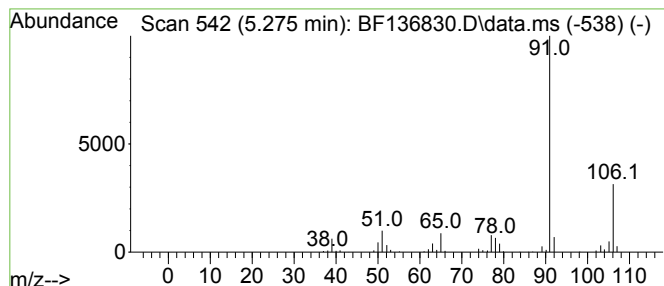
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Ethylbenzene Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.275 | 8.54 ng | 179511 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Ethylbenzene                        | 106 | C8H10   | 000100-41-4 | 94   |
| 2    |      | p-Xylene                            | 106 | C8H10   | 000106-42-3 | 86   |
| 3    |      | Benzene, 1,3-dimethyl-              | 106 | C8H10   | 000108-38-3 | 64   |
| 4    |      | o-Xylene                            | 106 | C8H10   | 000095-47-6 | 64   |
| 5    |      | 1,3-Cyclopentadiene, 5-(1-methyl... | 106 | C8H10   | 002175-91-9 | 53   |



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Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

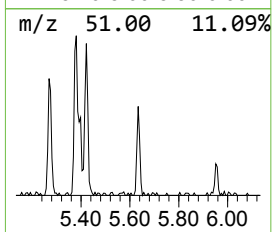
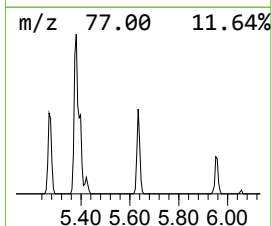
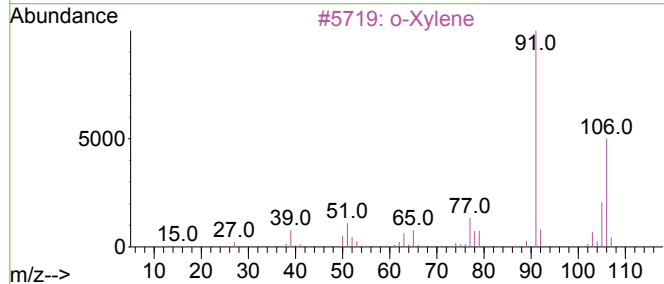
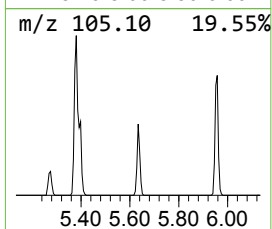
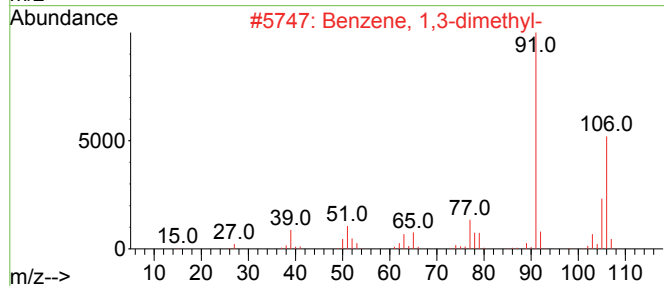
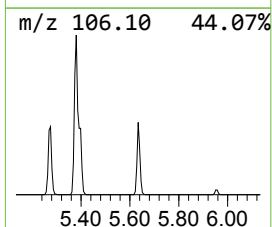
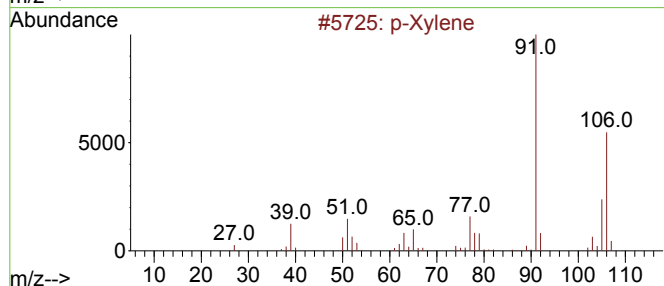
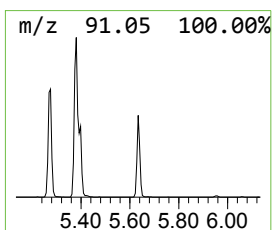
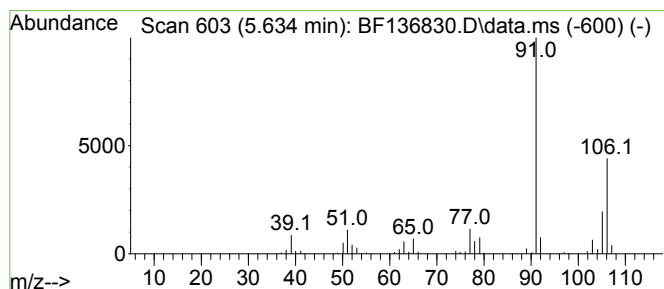
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 p-Xylene Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.634 | 6.72 ng | 141093 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of 4 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------|-----|---------|-------------|------|
| 1    |      | p-Xylene               | 106 | C8H10   | 000106-42-3 | 97   |
| 2    |      | Benzene, 1,3-dimethyl- | 106 | C8H10   | 000108-38-3 | 97   |
| 3    |      | o-Xylene               | 106 | C8H10   | 000095-47-6 | 97   |
| 4    |      | Ethylbenzene           | 106 | C8H10   | 000100-41-4 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

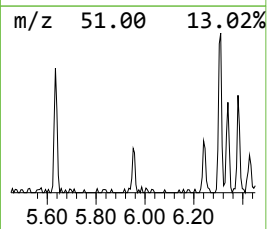
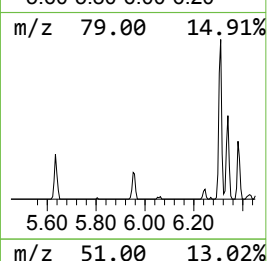
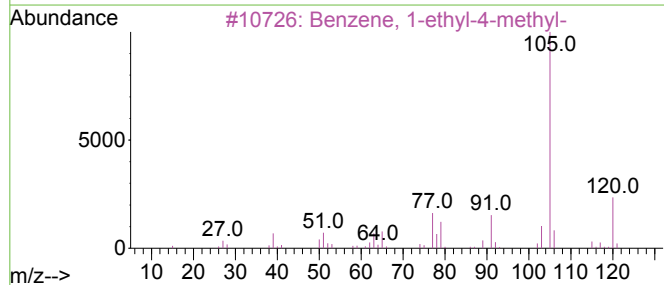
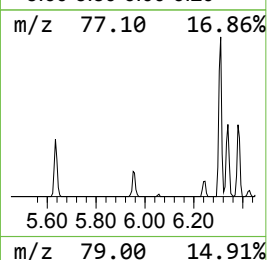
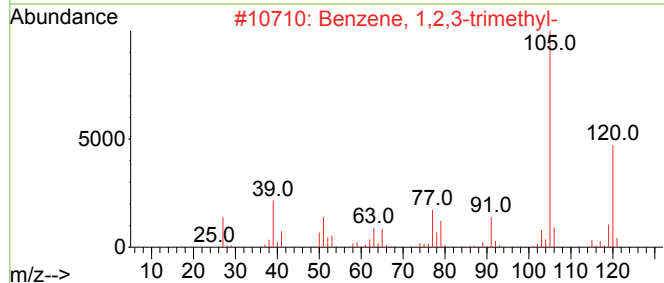
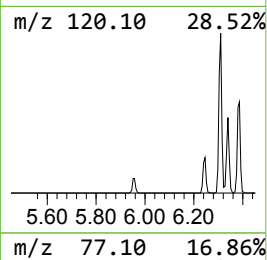
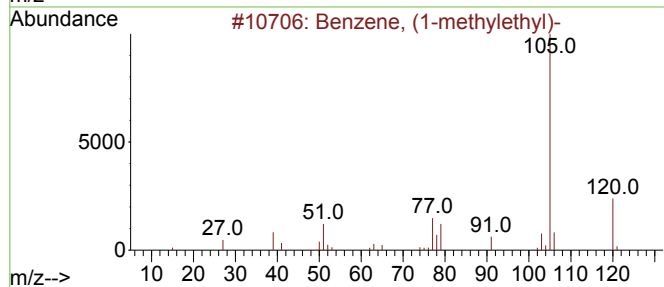
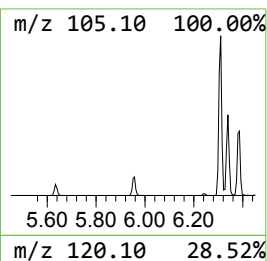
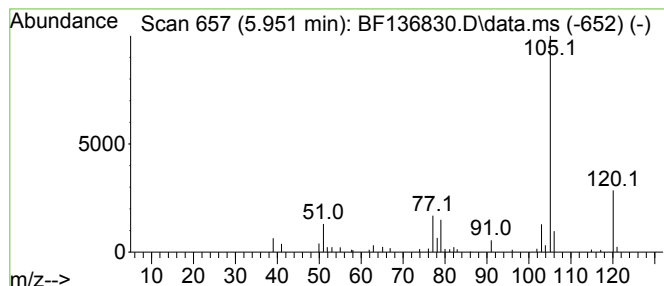
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Benzene, (1-methylethyl)- Concentration Rank 14

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.951 | 2.54 ng | 53435 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1-methylethyl)-  | 120 | C9H12   | 000098-82-8 | 95   |
| 2    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 80   |
| 4    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 80   |
| 5    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

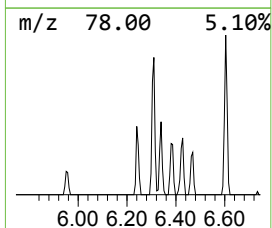
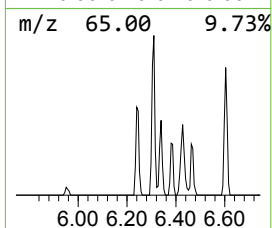
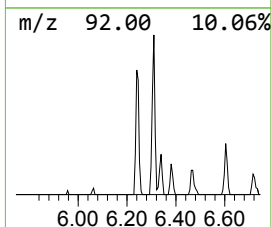
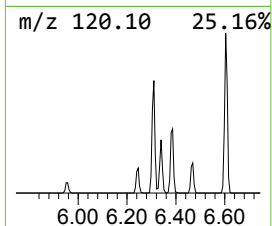
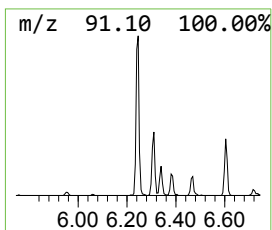
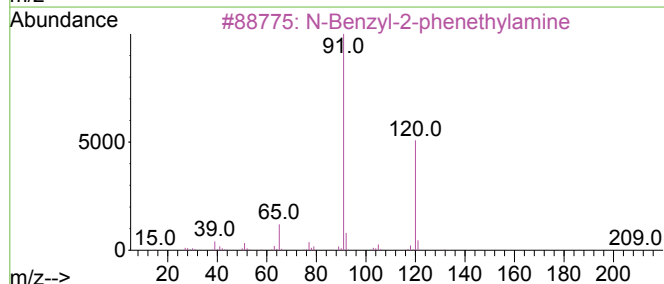
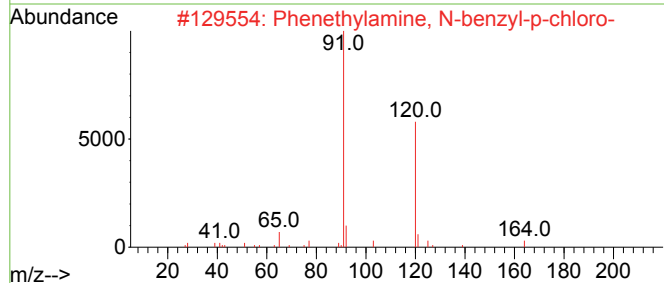
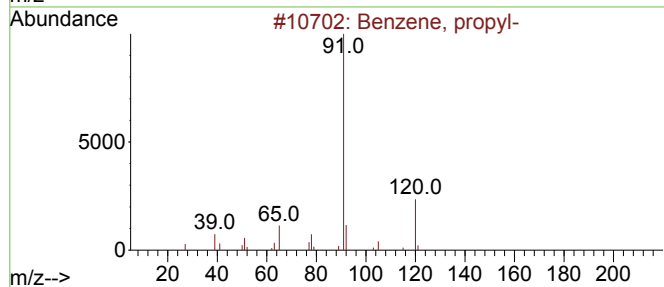
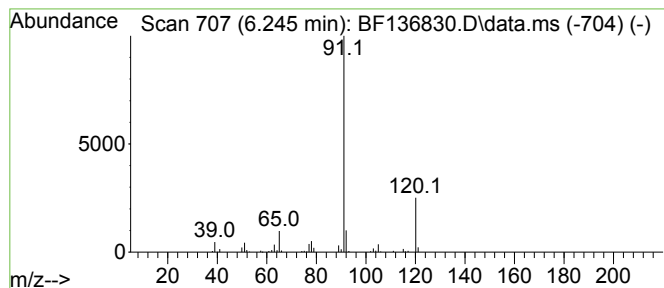
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Benzene, propyl- Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 6.245 | 4.12 ng | 86562 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Benzene, propyl-                    | 120 | C9H12     | 000103-65-1 | 91   |
| 2    |    |   | Phenethylamine, N-benzyl-p-chloro-  | 245 | C15H16ClN | 013622-43-0 | 72   |
| 3    |    |   | N-Benzyl-2-phenethylamine           | 211 | C15H17N   | 003647-71-0 | 72   |
| 4    |    |   | N-Butylbenzylamine                  | 163 | C11H17N   | 002403-22-7 | 64   |
| 5    |    |   | 1,2-Ethanediamine, N,N'-bis(phen... | 240 | C16H20N2  | 000140-28-3 | 64   |



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Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

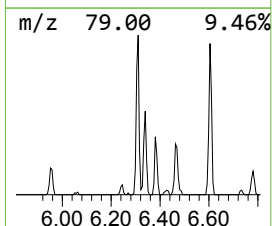
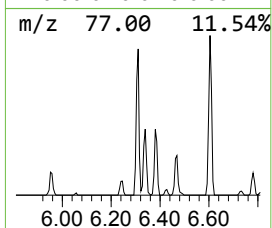
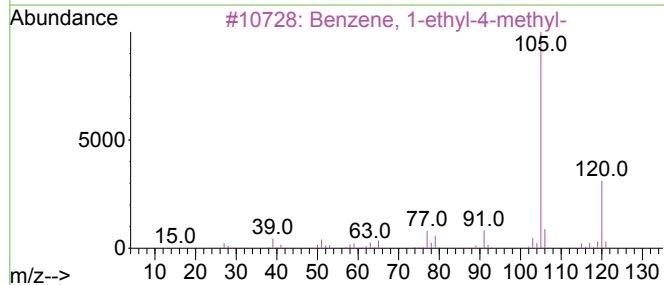
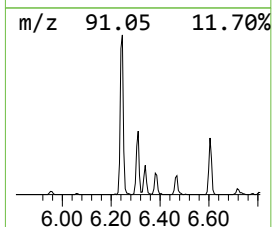
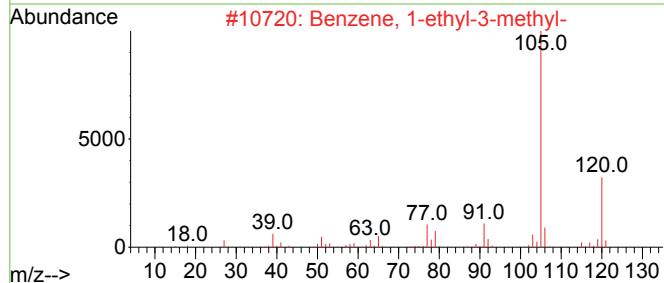
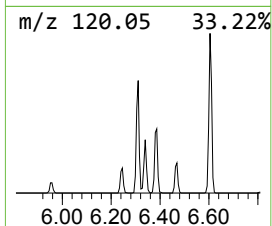
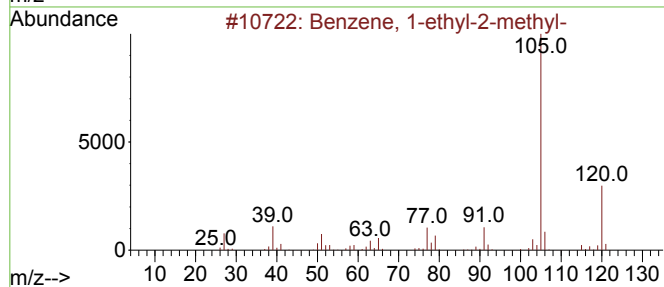
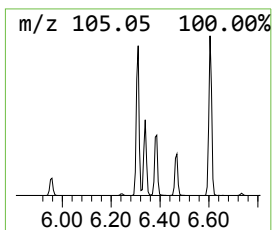
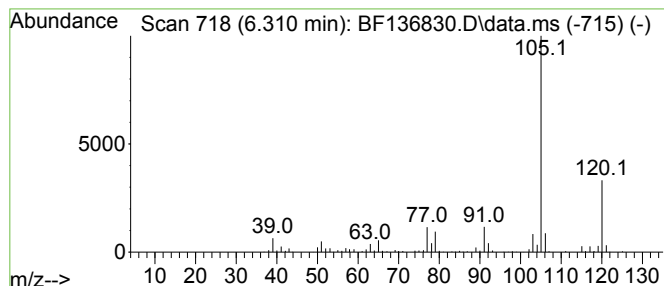
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 6.310 | 17.36 ng | 364800 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 5    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |



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Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

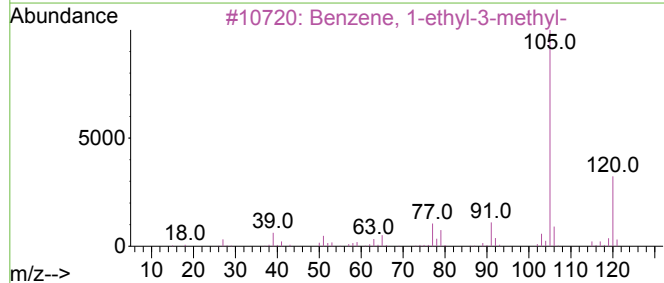
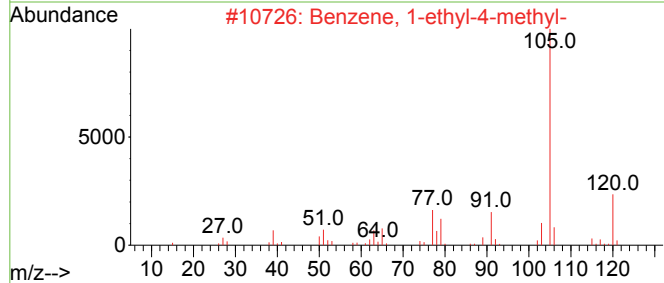
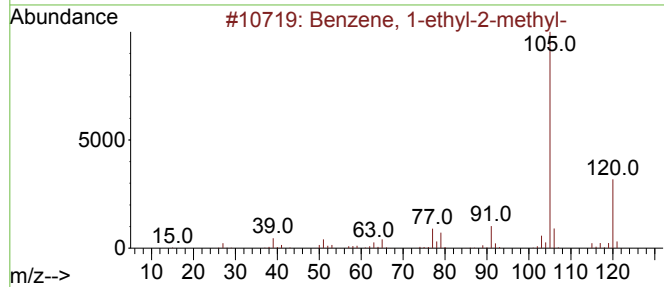
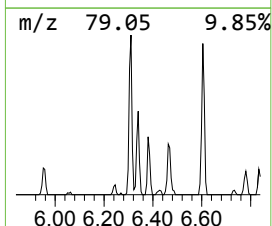
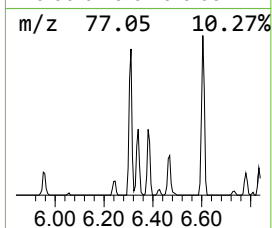
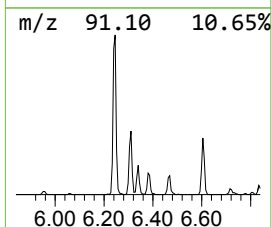
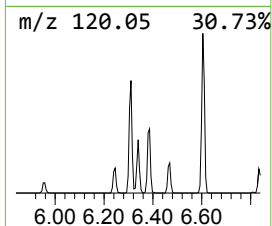
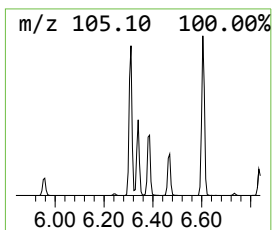
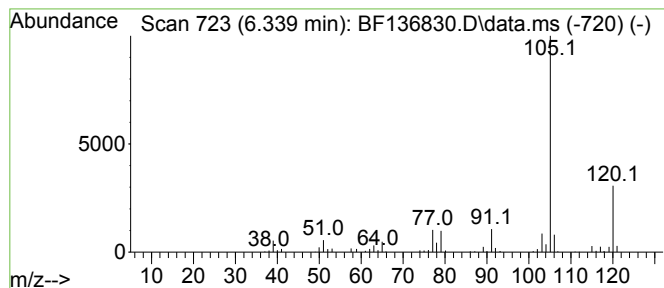
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Benzene, 1-ethyl-4-methyl- Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 6.339 | 7.73 ng | 162470 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 93   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

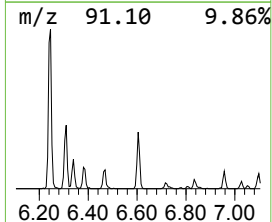
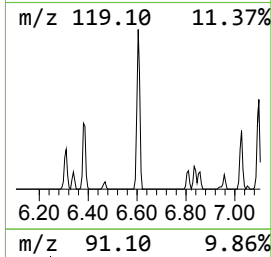
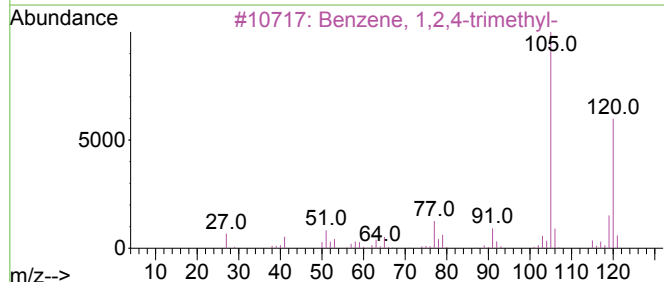
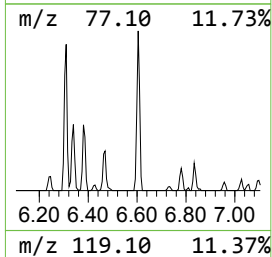
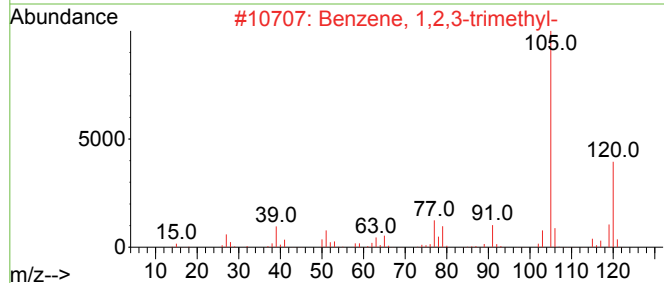
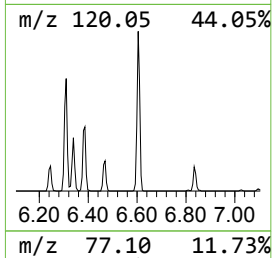
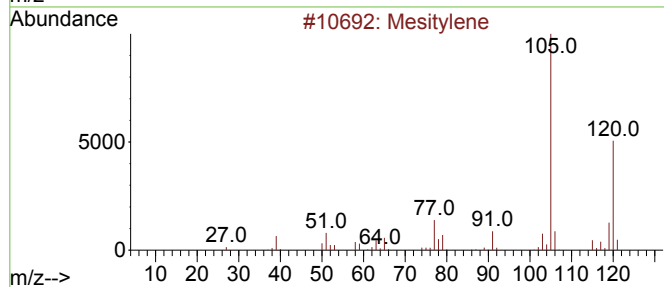
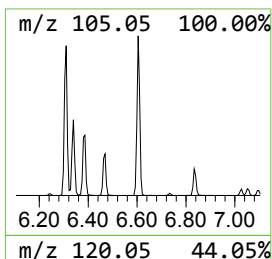
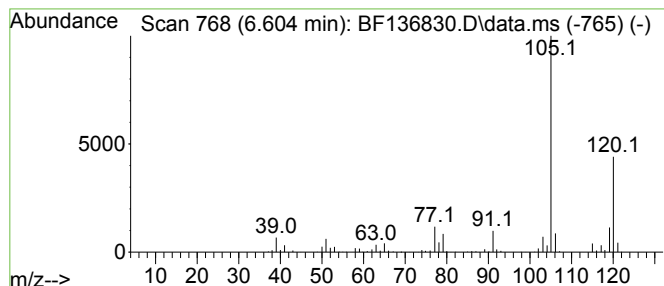
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Mesitylene Concentration Rank 1

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 6.604 | 20.37 ng | 427969 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 97   |
| 2    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 95   |
| 3    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 95   |
| 4    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

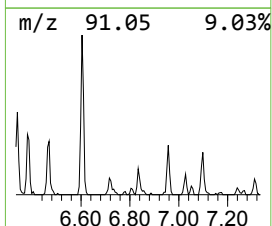
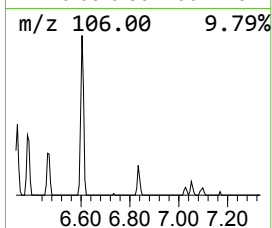
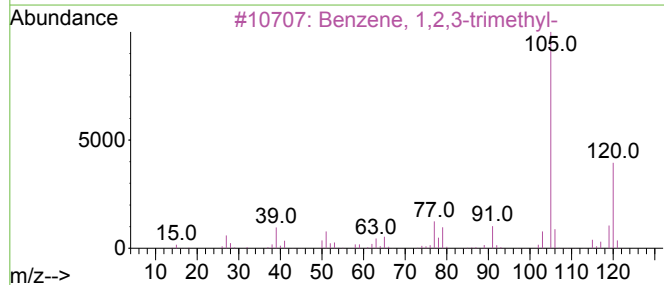
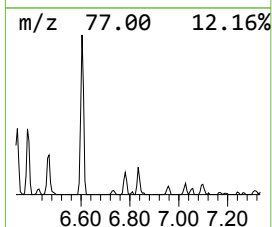
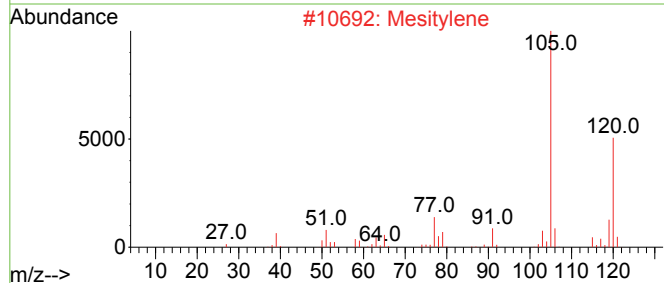
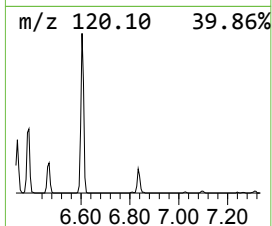
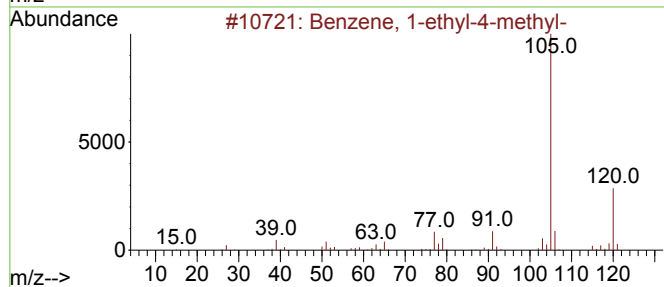
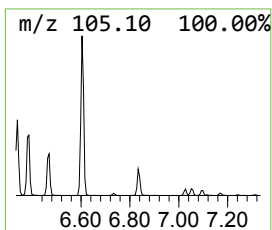
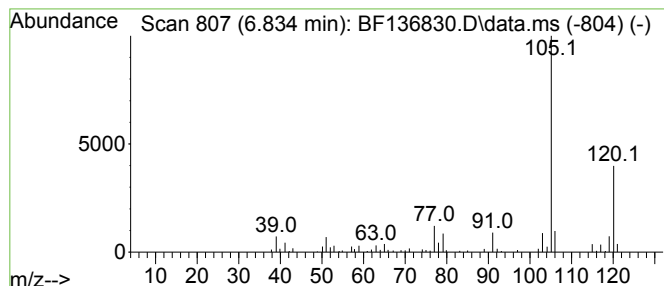
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 6.834 | 3.22 ng | 67697 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 94   |
| 2    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 94   |
| 3    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 93   |
| 4    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 5    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

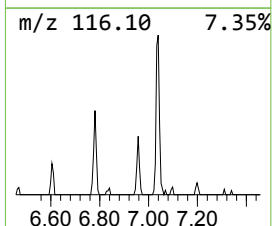
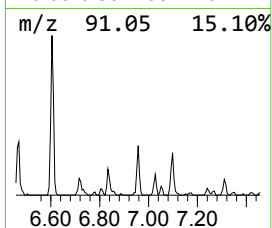
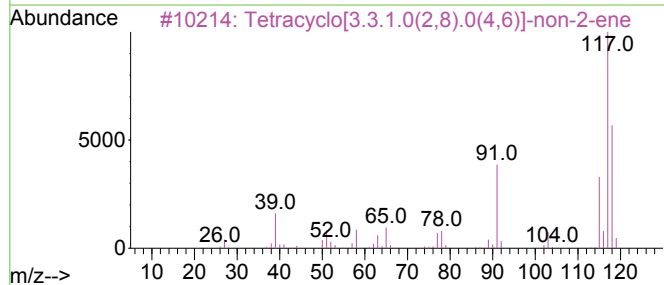
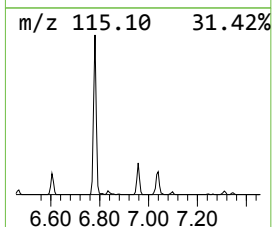
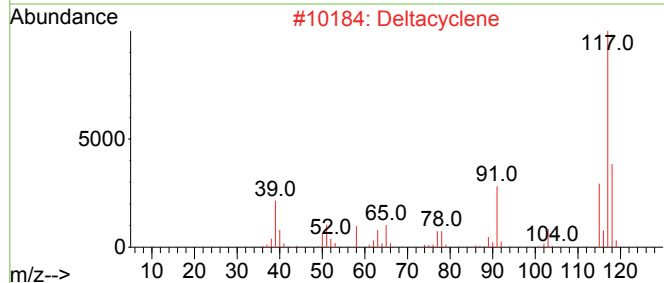
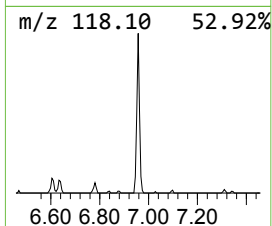
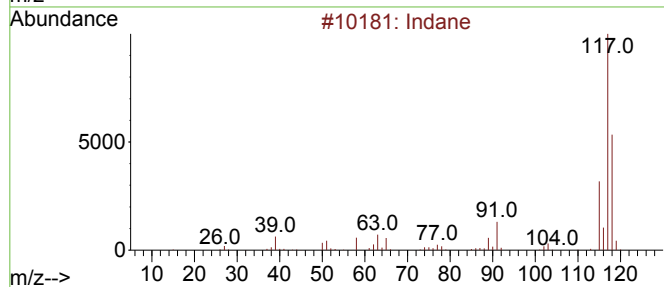
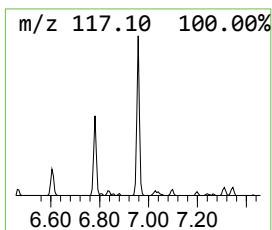
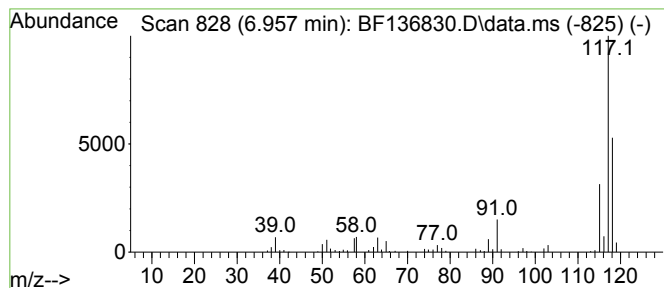
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 Indane Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 6.957 | 3.72 ng | 78149 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Indane                              | 118 | C9H10   | 000496-11-7  | 93   |
| 2    |    |   | Deltacyclene                        | 118 | C9H10   | 007785-10-6  | 80   |
| 3    |    |   | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10   | 1000191-13-7 | 72   |
| 4    |    |   | Benzene, cyclopropyl-               | 118 | C9H10   | 000873-49-4  | 72   |
| 5    |    |   | (Z)-1-Phenylpropene                 | 118 | C9H10   | 000766-90-5  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

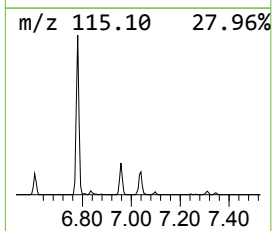
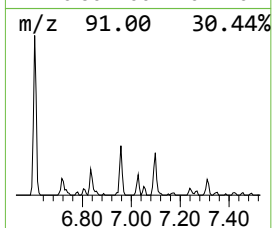
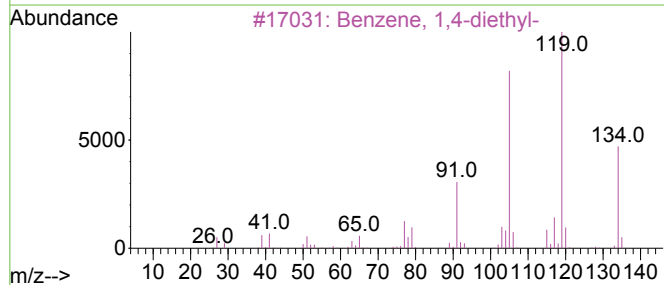
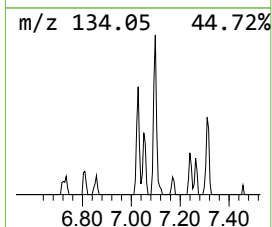
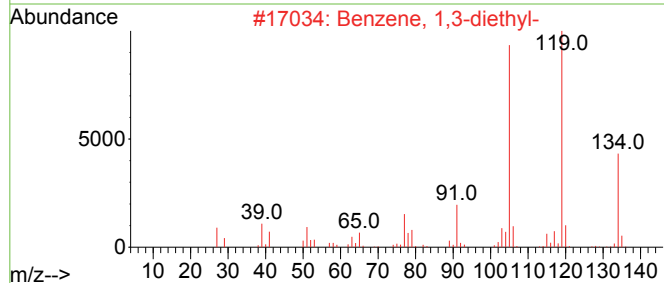
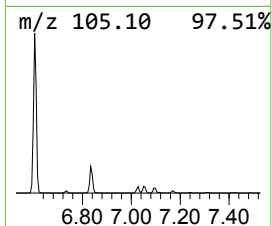
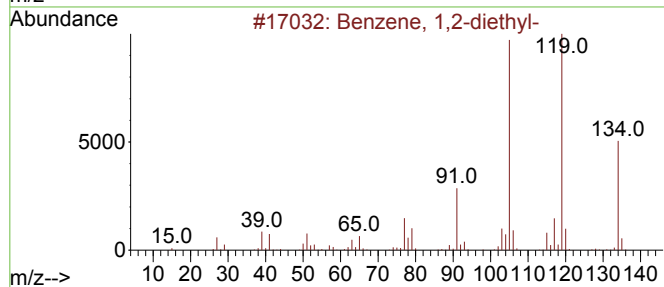
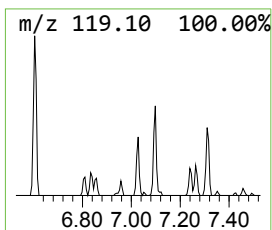
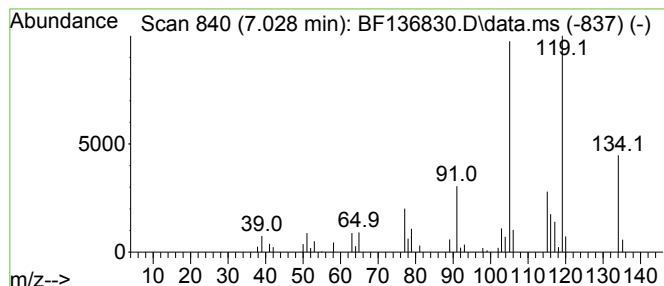
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Benzene, 1,2-diethyl- Concentration Rank 15

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 7.028 | 2.26 ng | 47481 | 1,4-Dichlorobenzene-d4 | 6.781 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2-diethyl-               | 134 | C10H14  | 000135-01-3 | 93   |
| 2    |    |   | Benzene, 1,3-diethyl-               | 134 | C10H14  | 000141-93-5 | 90   |
| 3    |    |   | Benzene, 1,4-diethyl-               | 134 | C10H14  | 000105-05-5 | 90   |
| 4    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 64   |
| 5    |    |   | 2,6-Dimethyl-1,3,5,7-octatetraen... | 134 | C10H14  | 000460-01-5 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

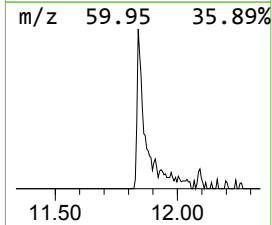
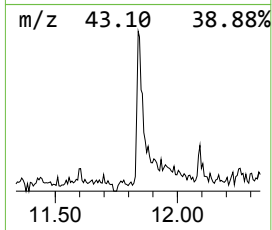
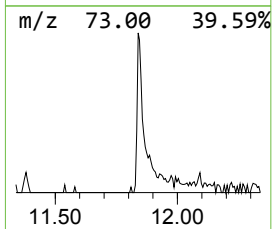
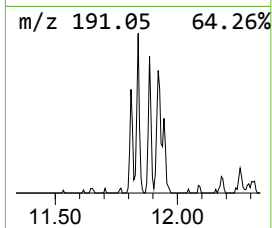
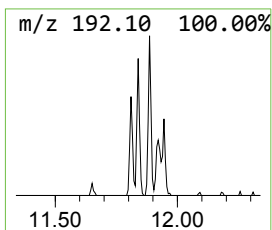
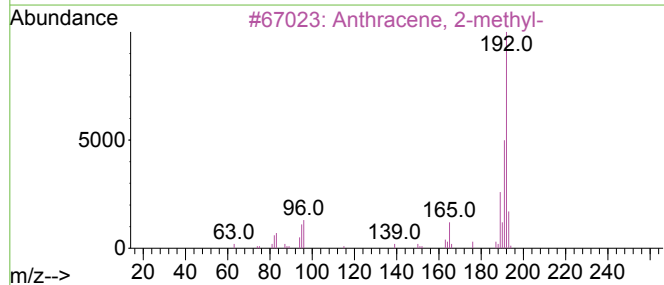
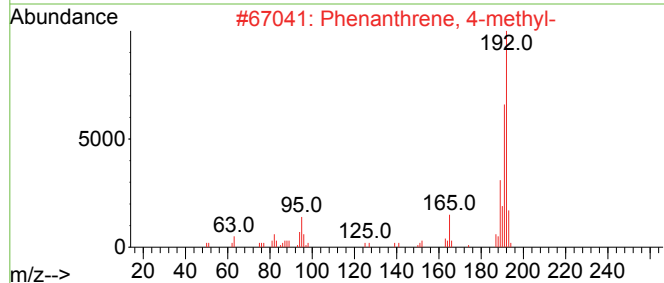
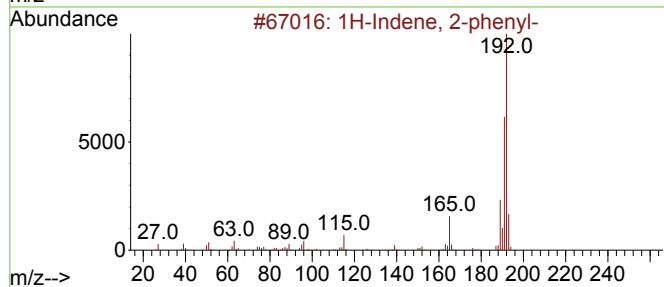
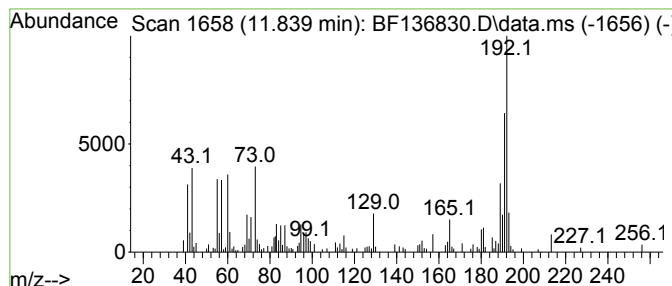
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 1H-Indene, 2-phenyl- Concentration Rank 11

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 11.839    | 3.06 ng                 | 107202 | Phenanthrene-d10 | 11.310      |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | 1H-Indene, 2-phenyl-    | 192    | C15H12           | 004505-48-0 | 92   |
| 2         | Phenanthrene, 4-methyl- | 192    | C15H12           | 000832-64-4 | 91   |
| 3         | Anthracene, 2-methyl-   | 192    | C15H12           | 000613-12-7 | 90   |
| 4         | Phenanthrene, 1-methyl- | 192    | C15H12           | 000832-69-9 | 86   |
| 5         | Phenanthrene, 2-methyl- | 192    | C15H12           | 002531-84-2 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

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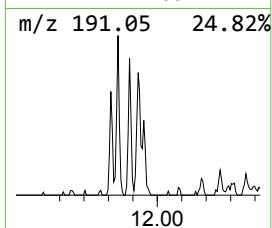
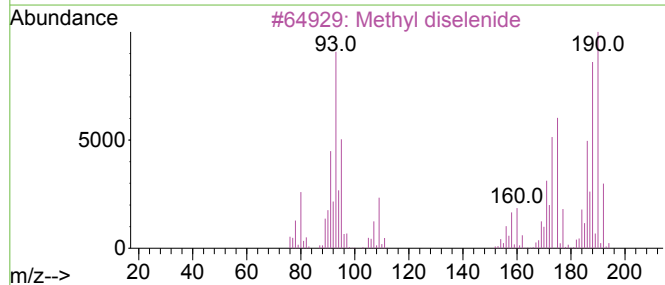
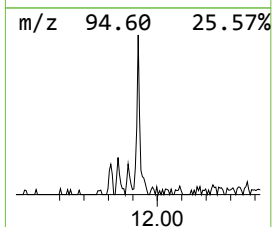
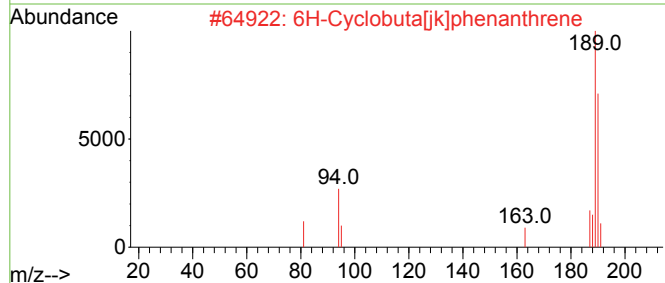
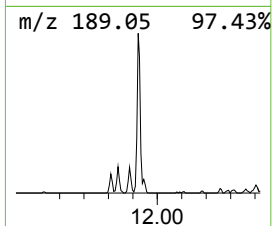
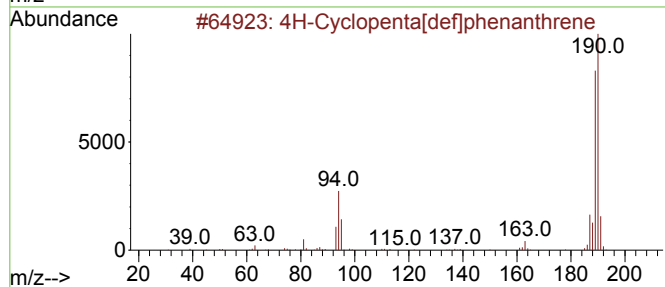
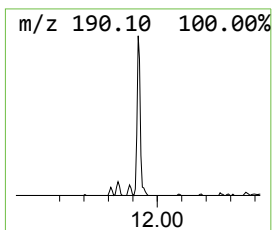
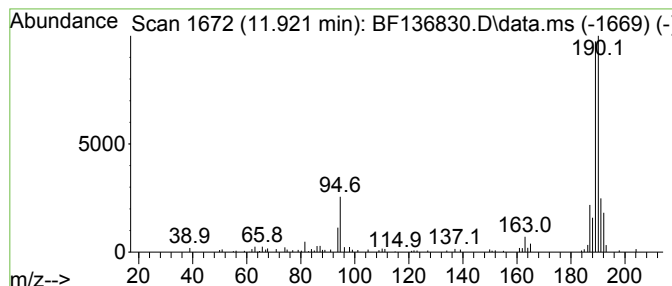
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

| R.T.      | EstConc                             | Area  | Relative to ISTD |            |             | R.T.   |
|-----------|-------------------------------------|-------|------------------|------------|-------------|--------|
| 11.922    | 2.58 ng                             | 90470 | Phenanthrene-d10 |            |             | 11.310 |
| Hit# of 5 | Tentative ID                        |       | MW               | MolForm    | CAS#        | Qual   |
| 1         | 4H-Cyclopenta[def]phenanthrene      |       | 190              | C15H10     | 000203-64-5 | 94     |
| 2         | 6H-Cyclobuta[jk]phenanthrene        |       | 190              | C15H10     | 083469-43-6 | 72     |
| 3         | Methyl diselenide                   |       | 190              | C2H6Se2    | 007101-31-7 | 46     |
| 4         | Thiophene-3-carboxaldehyde, 5-ch... |       | 190              | C5H4BClO3S | 036155-87-0 | 40     |
| 5         | 2,2'-Bis(4,5-dimethylimidazole)     |       | 190              | C10H14N4   | 069286-06-2 | 33     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
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Operator : CG\JU  
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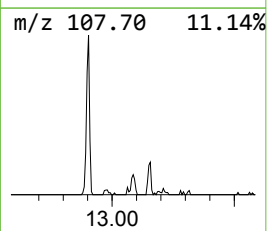
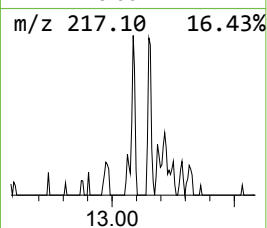
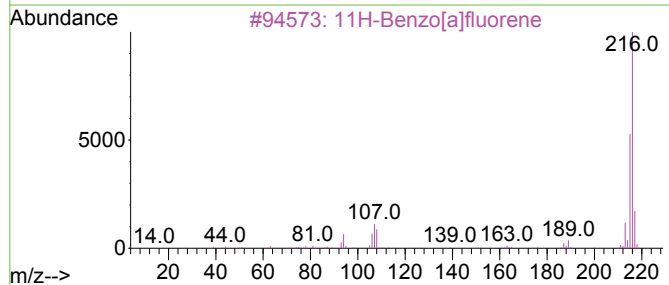
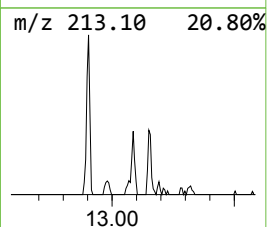
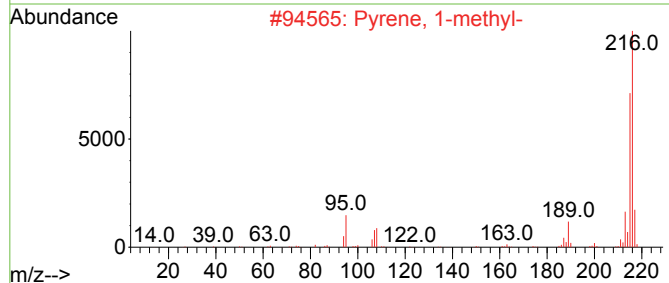
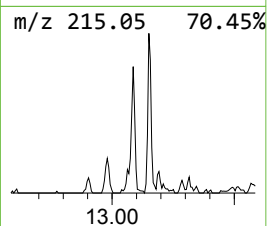
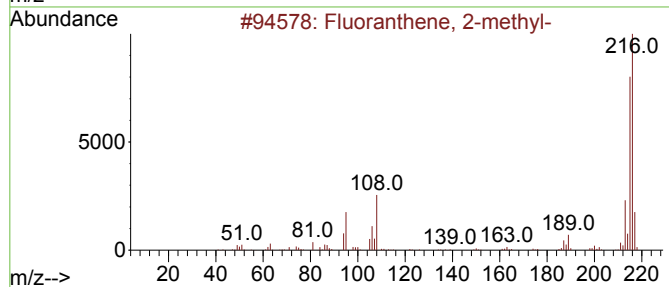
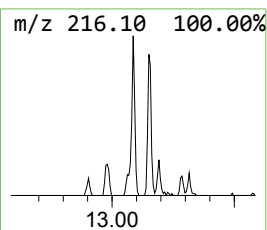
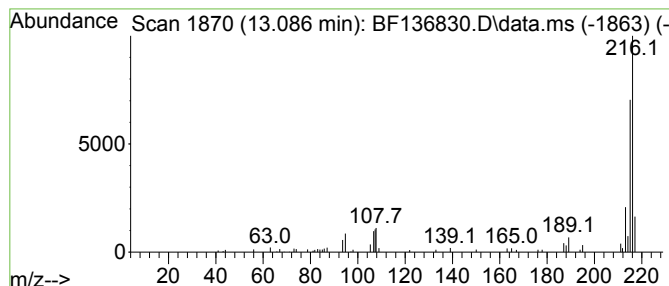
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GHL-SS-02

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 15 Fluoranthene, 2-methyl- Concentration Rank 17

| R.T.      | EstConc                 | Area  | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------|-------|------------------|---------|-------------|------|
| 13.086    | 2.04 ng                 | 55669 | Chrysene-d12     |         | 13.963      |      |
| Hit# of 5 | Tentative ID            |       | MW               | MolForm | CAS#        | Qual |
| 1         | Fluoranthene, 2-methyl- |       | 216              | C17H12  | 033543-31-6 | 90   |
| 2         | Pyrene, 1-methyl-       |       | 216              | C17H12  | 002381-21-7 | 86   |
| 3         | 11H-Benzo[a]fluorene    |       | 216              | C17H12  | 000238-84-6 | 83   |
| 4         | 11H-Benzo[b]fluorene    |       | 216              | C17H12  | 000243-17-4 | 80   |
| 5         | Pyrene, 2-methyl-       |       | 216              | C17H12  | 003442-78-2 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

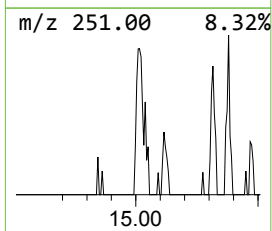
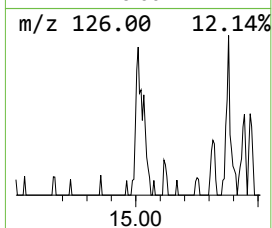
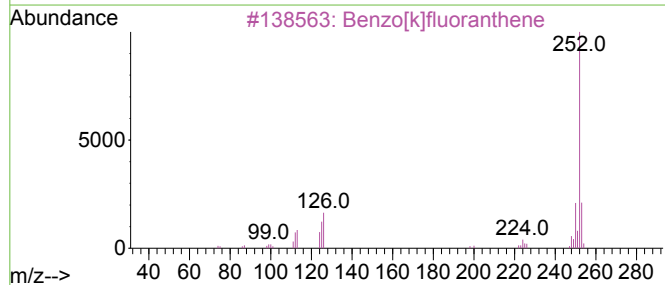
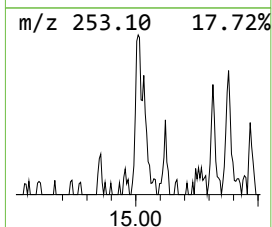
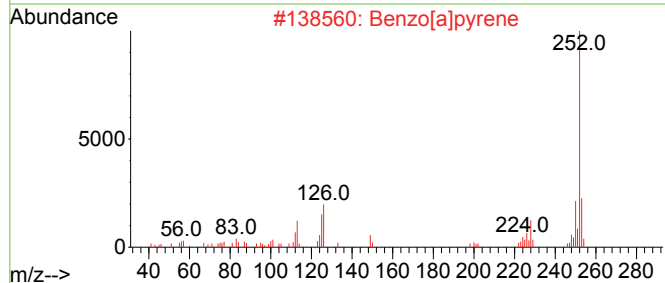
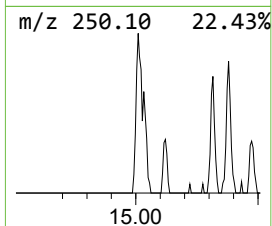
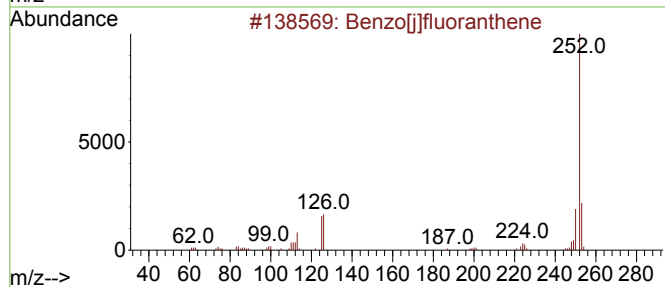
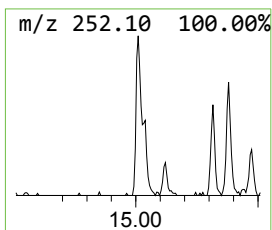
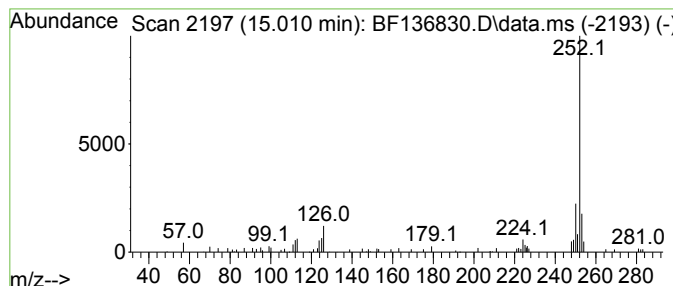
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Benzo[j]fluoranthene Concentration Rank 12

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.009 | 2.59 ng | 48892 | Perylene-d12     | 15.445 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 89   |
| 2    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 81   |
| 3    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 81   |
| 4    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 76   |
| 5    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

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

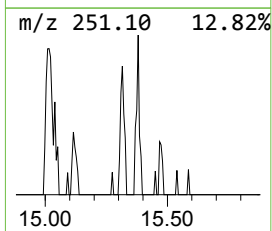
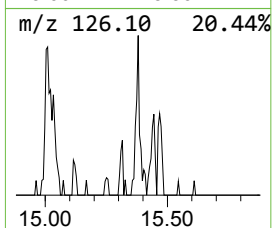
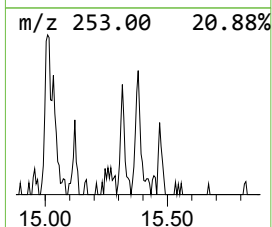
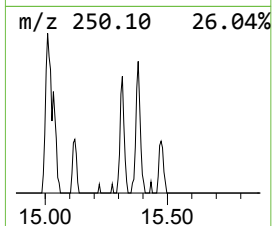
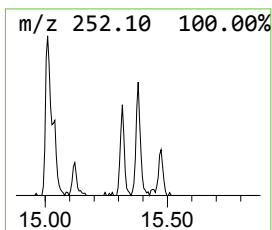
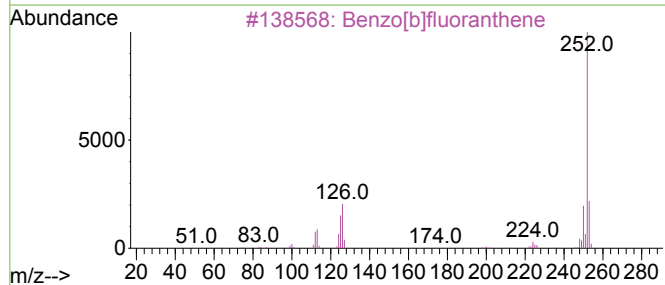
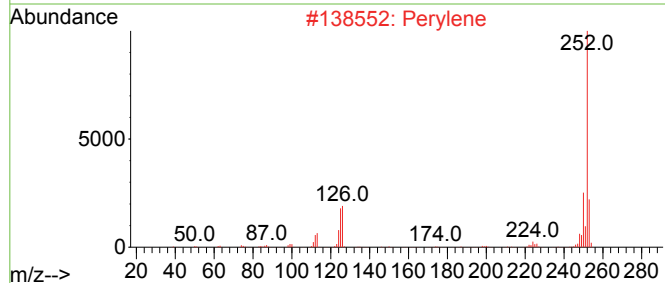
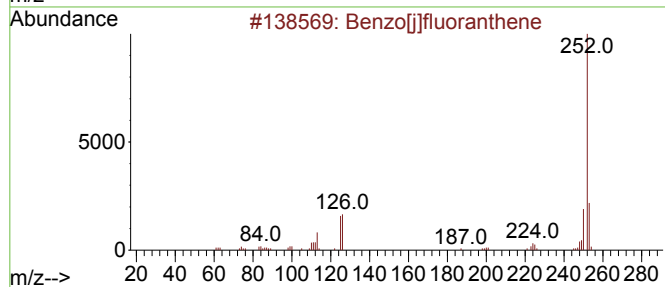
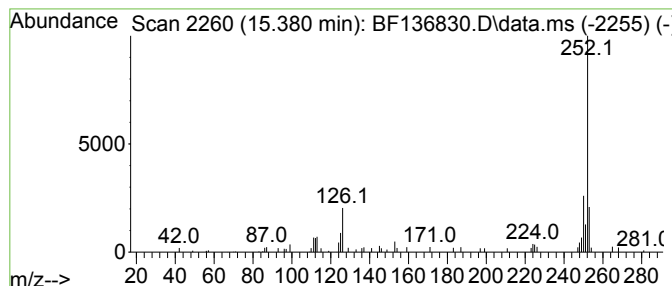
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Perylene Concentration Rank 16

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.380 | 2.09 ng | 39433 | Perylene-d12     | 15.445 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 90   |
| 2    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 90   |
| 3    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 87   |
| 4    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 86   |
| 5    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122923\  
Data File : BF136830.D  
Acq On : 29 Dec 2023 15:40  
Operator : CG\JU  
Sample : 05899-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-02

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 |
| Heptane            | 2.381  | 6.6     | ng    | 138457   | 1                     | 6.781  | 420193 | 20.0 |
| 3-Penten-2-one,... | 4.387  | 11.3    | ng    | 237561   | 1                     | 6.781  | 420193 | 20.0 |
| Ethylbenzene       | 5.275  | 8.5     | ng    | 179511   | 1                     | 6.781  | 420193 | 20.0 |
| p-Xylene           | 5.634  | 6.7     | ng    | 141093   | 1                     | 6.781  | 420193 | 20.0 |
| Benzene, (1-met... | 5.951  | 2.5     | ng    | 53435    | 1                     | 6.781  | 420193 | 20.0 |
| Benzene, propyl-   | 6.245  | 4.1     | ng    | 86562    | 1                     | 6.781  | 420193 | 20.0 |
| Benzene, 1-ethy... | 6.310  | 17.4    | ng    | 364800   | 1                     | 6.781  | 420193 | 20.0 |
| Benzene, 1-ethy... | 6.339  | 7.7     | ng    | 162470   | 1                     | 6.781  | 420193 | 20.0 |
| Mesitylene         | 6.604  | 20.4    | ng    | 427969   | 1                     | 6.781  | 420193 | 20.0 |
| Benzene, 1,2,3-... | 6.834  | 3.2     | ng    | 67697    | 1                     | 6.781  | 420193 | 20.0 |
| Indane             | 6.957  | 3.7     | ng    | 78149    | 1                     | 6.781  | 420193 | 20.0 |
| Benzene, 1,2-di... | 7.028  | 2.3     | ng    | 47481    | 1                     | 6.781  | 420193 | 20.0 |
| 1H-Indene, 2-ph... | 11.839 | 3.1     | ng    | 107202   | 4                     | 11.310 | 700281 | 20.0 |
| 4H-Cyclopenta[d... | 11.922 | 2.6     | ng    | 90470    | 4                     | 11.310 | 700281 | 20.0 |
| Fluoranthene, 2... | 13.086 | 2.0     | ng    | 55669    | 5                     | 13.963 | 544739 | 20.0 |
| Benzo[j]fluoran... | 15.009 | 2.6     | ng    | 48892    | 6                     | 15.445 | 377872 | 20.0 |
| Perylene           | 15.380 | 2.1     | ng    | 39433    | 6                     | 15.445 | 377872 | 20.0 |