

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
 Data File : BF124653.D  
 Acq On : 21 Jul 2021 5:19  
 Operator : JU/CG  
 Sample : M3097-01 5X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-071921

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-BF070721.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124653.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.504       | 578           | 581         | 584          | rBB      | 18498          | 14748         | 17.45%          | 2.901%        |
| 2         | 6.510       | 750           | 752         | 755          | rBB      | 20291          | 15787         | 18.68%          | 3.106%        |
| 3         | 6.904       | 816           | 819         | 822          | rBB      | 49062          | 35286         | 41.75%          | 6.941%        |
| 4         | 7.457       | 911           | 913         | 916          | rBB      | 12287          | 9611          | 11.37%          | 1.891%        |
| 5         | 8.187       | 1034          | 1037        | 1040         | rBB      | 56693          | 43545         | 51.53%          | 8.566%        |
| 6         | 9.263       | 1217          | 1220        | 1223         | rBB      | 21680          | 15954         | 18.88%          | 3.138%        |
| 7         | 9.945       | 1333          | 1336        | 1339         | rBB      | 52753          | 39162         | 46.34%          | 7.704%        |
| 8         | 10.728      | 1467          | 1469        | 1471         | rBB      | 7130           | 4285          | 5.07%           | 0.843%        |
| 9         | 11.433      | 1586          | 1589        | 1591         | rBV      | 42118          | 31798         | 37.63%          | 6.255%        |
| 10        | 11.822      | 1653          | 1655        | 1657         | rBB      | 9985           | 6139          | 7.26%           | 1.208%        |
| 11        | 11.945      | 1674          | 1676        | 1679         | rBB      | 3047           | 2753          | 3.26%           | 0.542%        |
| 12        | 12.510      | 1769          | 1772        | 1773         | rBV      | 17268          | 13002         | 15.39%          | 2.558%        |
| 13        | 12.527      | 1773          | 1775        | 1778         | rVB      | 42890          | 31598         | 37.39%          | 6.216%        |
| 14        | 12.616      | 1787          | 1790        | 1792         | rBB      | 7444           | 5509          | 6.52%           | 1.084%        |
| 15        | 12.645      | 1793          | 1795        | 1796         | rBV      | 4740           | 3328          | 3.94%           | 0.655%        |
| 16        | 12.657      | 1796          | 1797        | 1802         | rVB      | 3389           | 2754          | 3.26%           | 0.542%        |
| 17        | 12.733      | 1808          | 1810        | 1812         | rBB      | 1130           | 1033          | 1.22%           | 0.203%        |
| 18        | 12.892      | 1826          | 1837        | 1848         | rBV      | 62997          | 84508         | 100.00%         | 16.624%       |
| 19        | 13.016      | 1855          | 1858        | 1861         | rVB      | 16225          | 11409         | 13.50%          | 2.244%        |
| 20        | 13.204      | 1887          | 1890        | 1896         | rBV      | 1981           | 3625          | 4.29%           | 0.713%        |
| 21        | 13.269      | 1899          | 1901        | 1902         | rVB      | 1339           | 875           | 1.04%           | 0.172%        |
| 22        | 13.392      | 1920          | 1922        | 1925         | rVB      | 1127           | 1029          | 1.22%           | 0.202%        |
| 23        | 13.551      | 1945          | 1949        | 1951         | rBV      | 1176           | 1144          | 1.35%           | 0.225%        |
| 24        | 13.586      | 1952          | 1955        | 1958         | rVB      | 1529           | 1608          | 1.90%           | 0.316%        |
| 25        | 13.769      | 1982          | 1986        | 1988         | rBV2     | 1056           | 1279          | 1.51%           | 0.252%        |
| 26        | 13.869      | 1998          | 2003        | 2004         | rBV      | 1046           | 1059          | 1.25%           | 0.208%        |
| 27        | 13.916      | 2008          | 2011        | 2012         | rBV2     | 1275           | 1121          | 1.33%           | 0.221%        |
| 28        | 13.998      | 2022          | 2025        | 2030         | rVB2     | 776            | 1254          | 1.48%           | 0.247%        |
| 29        | 14.074      | 2032          | 2038        | 2040         | rBV      | 29239          | 27049         | 32.01%          | 5.321%        |
| 30        | 14.098      | 2040          | 2042        | 2043         | rVB2     | 1702           | 941           | 1.11%           | 0.185%        |
| 31        | 14.169      | 2051          | 2054        | 2055         | rBV2     | 1377           | 1021          | 1.21%           | 0.201%        |
| 32        | 14.333      | 2078          | 2082        | 2084         | rBV2     | 1272           | 1290          | 1.53%           | 0.254%        |
| 33        | 14.410      | 2092          | 2095        | 2097         | rBV3     | 872            | 1115          | 1.32%           | 0.219%        |
| 34        | 14.539      | 2114          | 2117        | 2120         | rBV2     | 1381           | 1754          | 2.08%           | 0.345%        |
| 35        | 14.580      | 2120          | 2124        | 2126         | rVV3     | 1647           | 2145          | 2.54%           | 0.422%        |
| 36        | 14.633      | 2132          | 2133        | 2135         | rVV2     | 1362           | 1060          | 1.25%           | 0.209%        |

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 Operator : JU/CG  
 Sample : M3097-01 5X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-071921

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-BF070721.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 37 | 14.674 | 2138 | 2140 | 2142 | rVV2 | 1637 | 1187 | 1.40% | 0.233% |
| 38 | 14.745 | 2151 | 2152 | 2155 | rBV2 | 1156 | 1113 | 1.32% | 0.219% |
| 39 | 14.780 | 2157 | 2158 | 2161 | rVB3 | 1032 | 927  | 1.10% | 0.182% |
| 40 | 14.886 | 2175 | 2176 | 2179 | rBV2 | 997  | 1075 | 1.27% | 0.211% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 41 | 14.921 | 2179 | 2182 | 2185 | rVV4 | 970  | 1331 | 1.57% | 0.262% |
| 42 | 15.086 | 2208 | 2210 | 2214 | rBV3 | 1066 | 921  | 1.09% | 0.181% |
| 43 | 15.133 | 2214 | 2218 | 2220 | rBV3 | 1586 | 2310 | 2.73% | 0.454% |
| 44 | 15.163 | 2220 | 2223 | 2224 | rVB3 | 987  | 892  | 1.06% | 0.175% |
| 45 | 15.198 | 2227 | 2229 | 2232 | rVV3 | 1780 | 2055 | 2.43% | 0.404% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 46 | 15.268 | 2237 | 2241 | 2242 | rBV2 | 1455 | 1885 | 2.23% | 0.371% |
| 47 | 15.333 | 2250 | 2252 | 2255 | rVB2 | 932  | 977  | 1.16% | 0.192% |
| 48 | 15.410 | 2264 | 2265 | 2268 | rBV  | 1252 | 1130 | 1.34% | 0.222% |
| 49 | 15.486 | 2277 | 2278 | 2283 | rVB3 | 1230 | 1205 | 1.43% | 0.237% |
| 50 | 15.533 | 2283 | 2286 | 2287 | rBV2 | 1584 | 1408 | 1.67% | 0.277% |

|    |        |      |      |      |      |       |       |        |        |
|----|--------|------|------|------|------|-------|-------|--------|--------|
| 51 | 15.563 | 2287 | 2291 | 2296 | rVV  | 16329 | 18057 | 21.37% | 3.552% |
| 52 | 15.680 | 2307 | 2311 | 2312 | rVB3 | 1406  | 1253  | 1.48%  | 0.246% |
| 53 | 15.710 | 2315 | 2316 | 2319 | rBV3 | 880   | 913   | 1.08%  | 0.180% |
| 54 | 15.798 | 2328 | 2331 | 2334 | rBV4 | 1305  | 1875  | 2.22%  | 0.369% |
| 55 | 15.863 | 2338 | 2342 | 2346 | rVB3 | 1494  | 2516  | 2.98%  | 0.495% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 56 | 15.892 | 2346 | 2347 | 2349 | rBV  | 1081 | 914  | 1.08% | 0.180% |
| 57 | 16.045 | 2369 | 2373 | 2376 | rVB3 | 1600 | 2436 | 2.88% | 0.479% |
| 58 | 16.080 | 2376 | 2379 | 2380 | rBV2 | 1283 | 1351 | 1.60% | 0.266% |
| 59 | 16.127 | 2385 | 2387 | 2390 | rVB  | 1248 | 1232 | 1.46% | 0.242% |
| 60 | 16.298 | 2409 | 2416 | 2417 | rBV3 | 1945 | 2730 | 3.23% | 0.537% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 61 | 16.404 | 2432 | 2434 | 2437 | rVV2 | 1079 | 934  | 1.11% | 0.184% |
| 62 | 16.427 | 2437 | 2438 | 2440 | rVV2 | 1110 | 1025 | 1.21% | 0.202% |
| 63 | 16.480 | 2443 | 2447 | 2450 | rBV4 | 1151 | 1719 | 2.03% | 0.338% |
| 64 | 16.504 | 2450 | 2451 | 2455 | rVV3 | 1253 | 1495 | 1.77% | 0.294% |
| 65 | 16.557 | 2457 | 2460 | 2465 | rVV2 | 1253 | 2618 | 3.10% | 0.515% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 66 | 16.592 | 2465 | 2466 | 2471 | rVB2 | 956  | 1046 | 1.24% | 0.206% |
| 67 | 16.810 | 2501 | 2503 | 2509 | rVB2 | 996  | 1088 | 1.29% | 0.214% |
| 68 | 17.098 | 2548 | 2552 | 2553 | rVV2 | 920  | 1003 | 1.19% | 0.197% |
| 69 | 17.127 | 2553 | 2557 | 2562 | rVV  | 810  | 1260 | 1.49% | 0.248% |
| 70 | 17.274 | 2581 | 2582 | 2587 | rVB2 | 1207 | 1329 | 1.57% | 0.261% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 71 | 17.321 | 2587 | 2590 | 2591 | rBV2 | 1094 | 852  | 1.01% | 0.168% |
| 72 | 17.404 | 2602 | 2604 | 2606 | rBV3 | 1155 | 1108 | 1.31% | 0.218% |
| 73 | 17.439 | 2609 | 2610 | 2613 | rVB2 | 1616 | 1415 | 1.67% | 0.278% |
| 74 | 17.468 | 2613 | 2615 | 2616 | rBV  | 1352 | 1011 | 1.20% | 0.199% |
| 75 | 17.486 | 2616 | 2618 | 2622 | rVB3 | 1100 | 1295 | 1.53% | 0.255% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 76 | 17.545 | 2627 | 2628 | 2635 | rVB3 | 1089 | 2004 | 2.37% | 0.394% |
|----|--------|------|------|------|------|------|------|-------|--------|

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Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

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-BF070721.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 77 | 17.598 | 2635 | 2637 | 2640 | rBV  | 1117 | 1402 | 1.66% | 0.276% |
| 78 | 17.633 | 2640 | 2643 | 2646 | rBV2 | 1031 | 1258 | 1.49% | 0.247% |
| 79 | 17.839 | 2677 | 2678 | 2681 | rBV2 | 1080 | 943  | 1.12% | 0.185% |
| 80 | 17.986 | 2702 | 2703 | 2707 | rBV2 | 1443 | 1583 | 1.87% | 0.311% |
| 81 | 18.427 | 2776 | 2778 | 2781 | rVB  | 982  | 949  | 1.12% | 0.187% |
| 82 | 18.498 | 2786 | 2790 | 2792 | rBV  | 1107 | 1502 | 1.78% | 0.295% |
| 83 | 18.521 | 2792 | 2794 | 2797 | rVV2 | 1322 | 1102 | 1.30% | 0.217% |
| 84 | 18.562 | 2797 | 2801 | 2804 | rVB3 | 683  | 1061 | 1.26% | 0.209% |
| 85 | 18.686 | 2820 | 2822 | 2825 | rVB3 | 1429 | 1298 | 1.54% | 0.255% |
| 86 | 18.833 | 2845 | 2847 | 2849 | rBV  | 854  | 931  | 1.10% | 0.183% |
| 87 | 18.915 | 2858 | 2861 | 2862 | rBV  | 937  | 917  | 1.09% | 0.180% |
| 88 | 18.939 | 2864 | 2865 | 2867 | rBV  | 1222 | 937  | 1.11% | 0.184% |

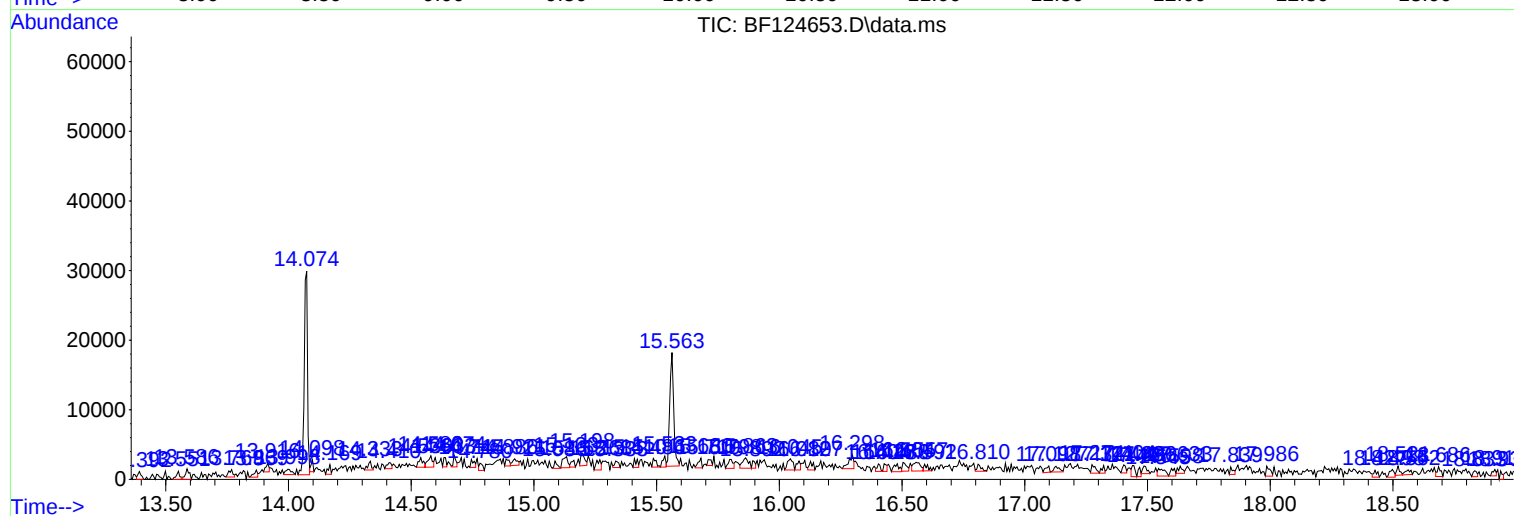
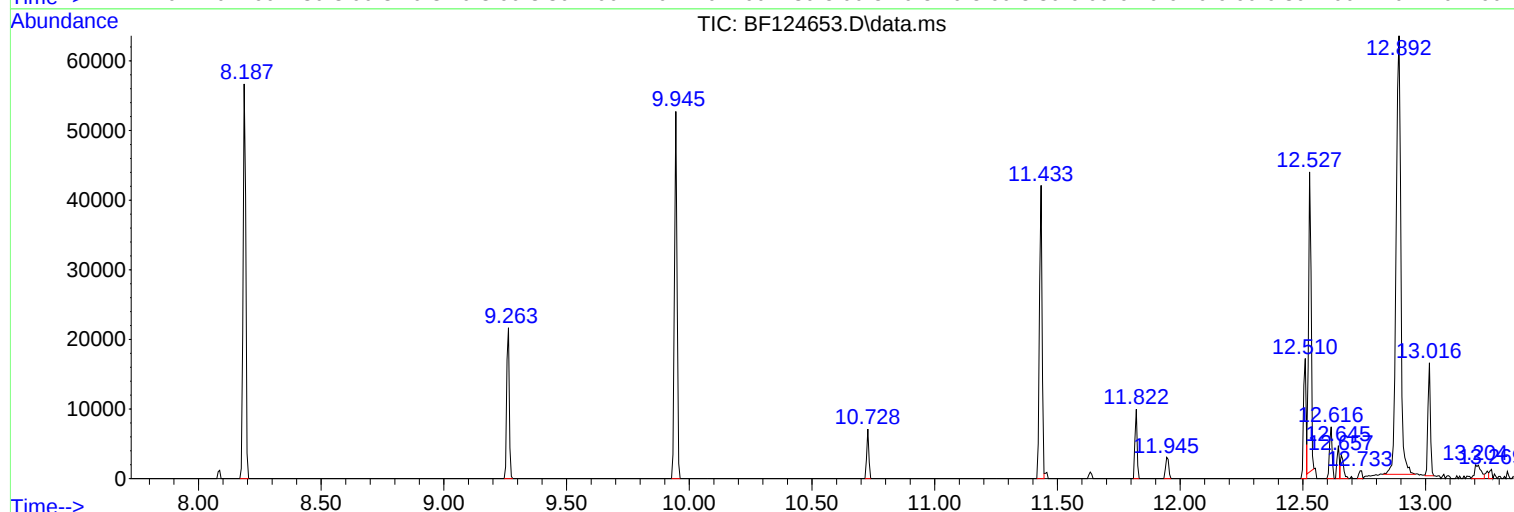
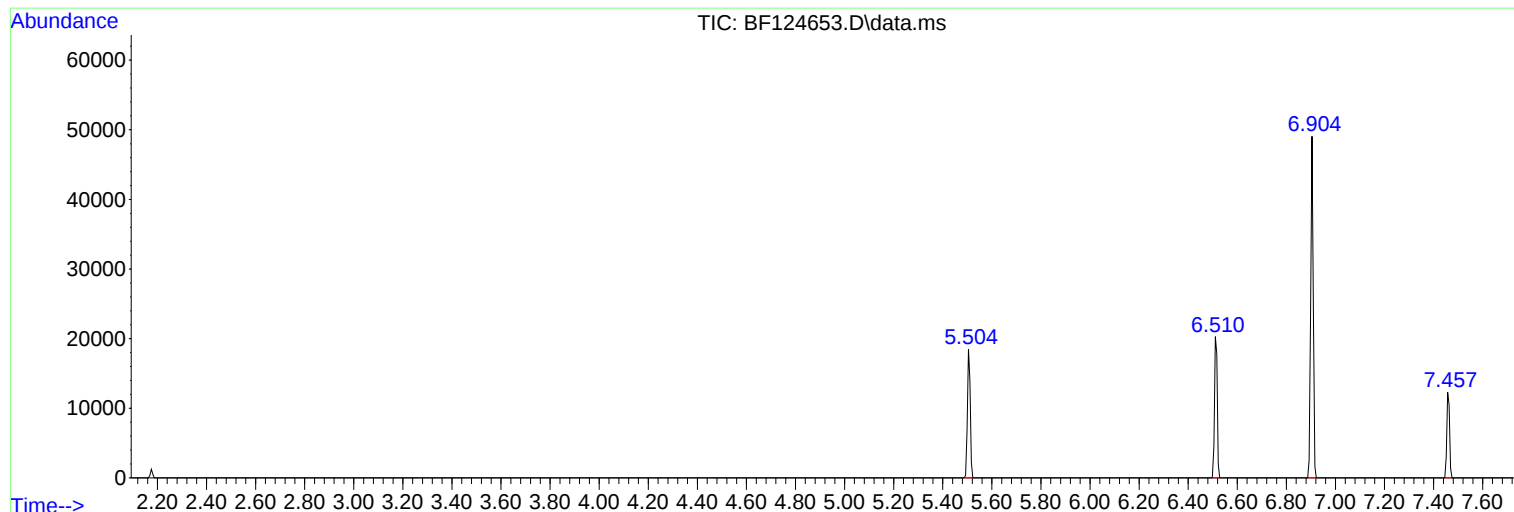
Sum of corrected areas: 508356

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.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\BF072021\  
Data File : BF124653.D  
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Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

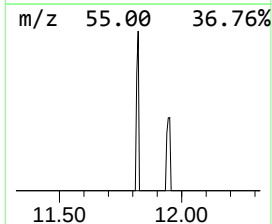
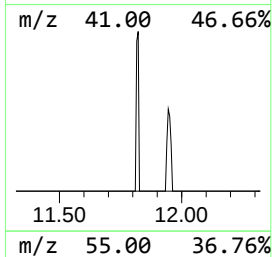
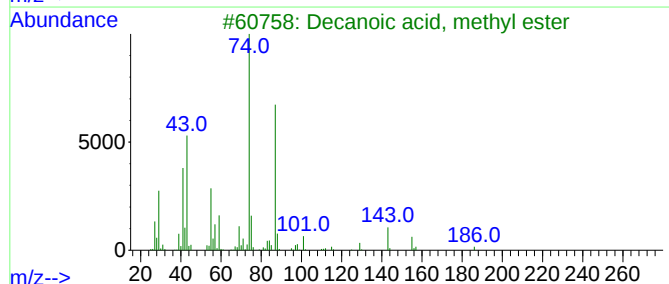
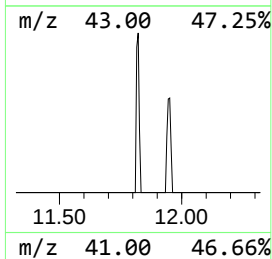
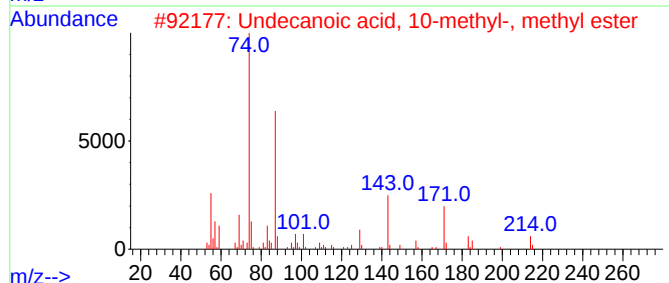
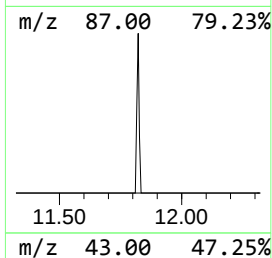
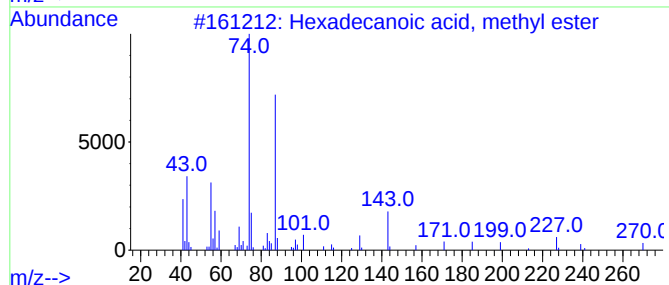
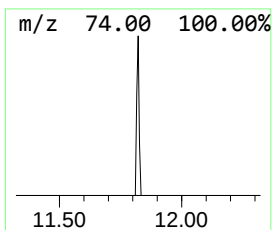
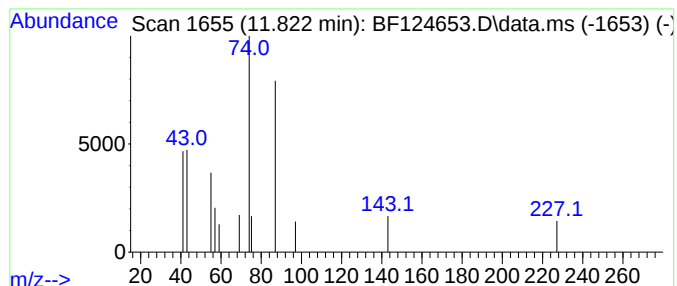
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 11.822 | 3.86 ng | 6139 | Phenanthrene-d10 | 11.433 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 83   |
| 2    |    |   | Undecanoic acid, 10-methyl-, met... | 214 | C13H26O2 | 005129-56-6 | 83   |
| 3    |    |   | Decanoic acid, methyl ester         | 186 | C11H22O2 | 000110-42-9 | 78   |
| 4    |    |   | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 64   |
| 5    |    |   | Dodecanoic acid, methyl ester       | 214 | C13H26O2 | 000111-82-0 | 64   |



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Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

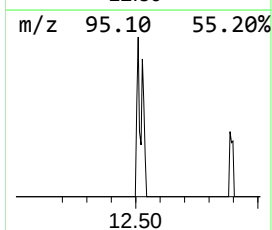
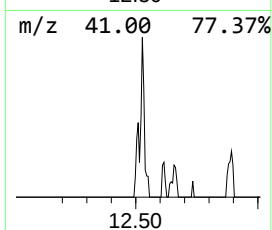
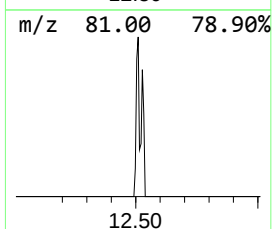
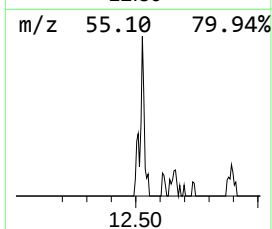
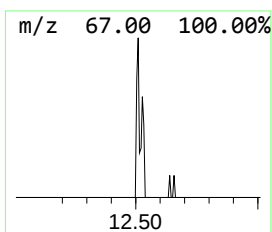
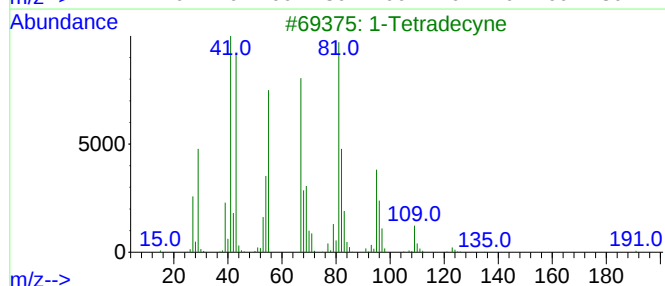
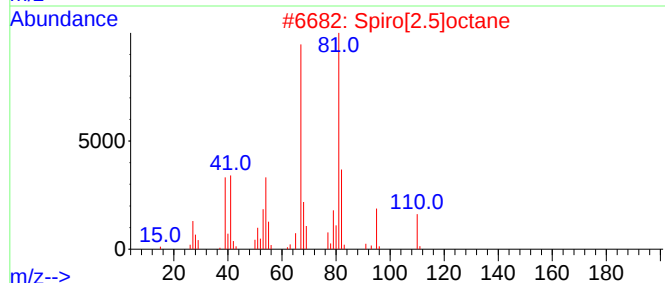
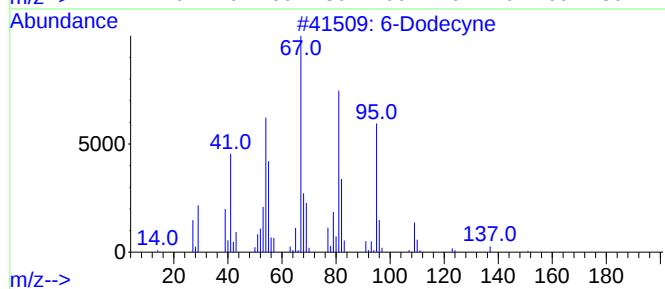
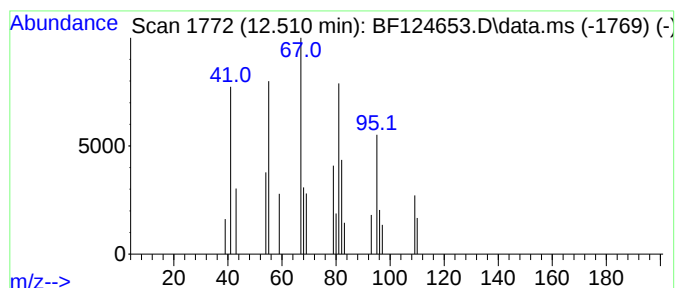
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 6-Dodecyne Concentration Rank 2

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.510 | 8.18 ng | 13002 | Phenanthrene-d10 | 11.433 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 6-Dodecyne                       | 166 | C12H22  | 006975-99-1 | 59   |
| 2    |    |   | Spiro[2.5]octane                 | 110 | C8H14   | 000185-65-9 | 52   |
| 3    |    |   | 1-Tetradecyne                    | 194 | C14H26  | 000765-10-6 | 50   |
| 4    |    |   | Bicyclo[4.1.0]heptane, 3-methyl- | 110 | C8H14   | 041977-47-3 | 49   |
| 5    |    |   | 1-Tridecyne                      | 180 | C13H24  | 026186-02-7 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

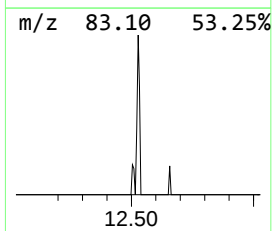
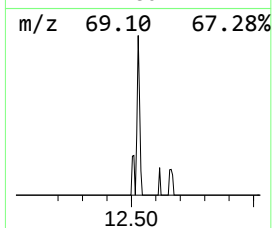
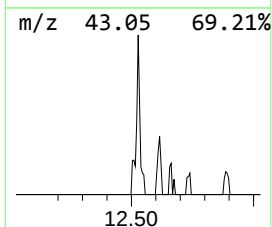
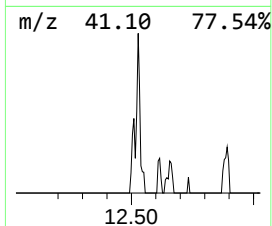
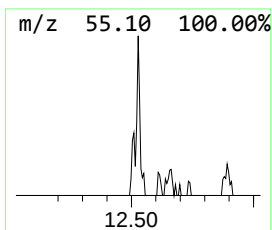
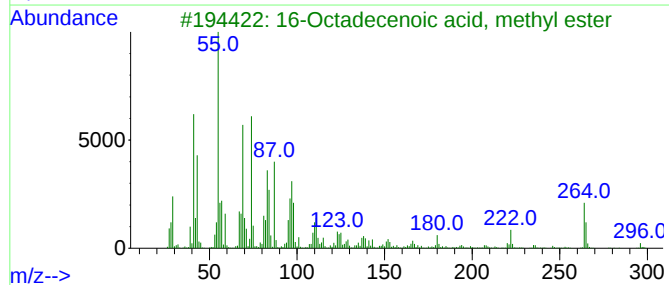
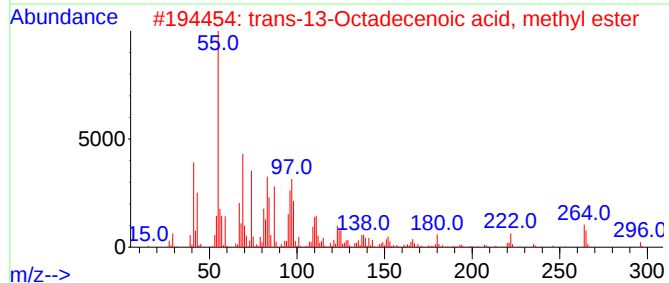
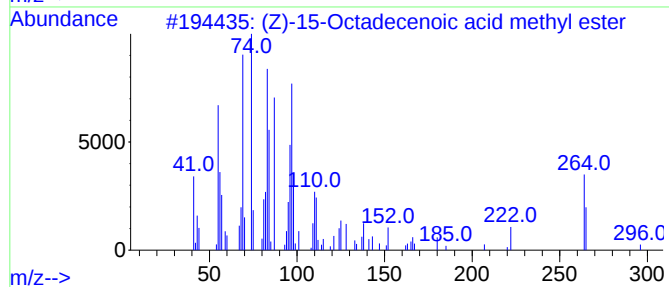
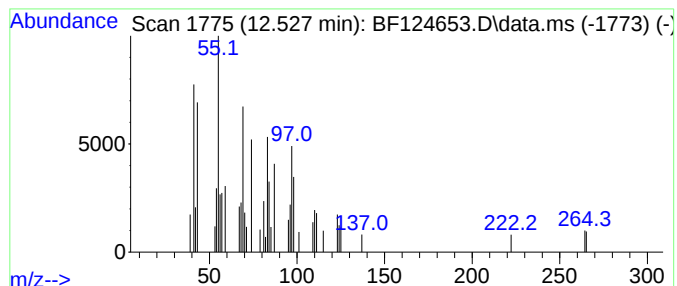
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 (Z)-15-Octadecenoic acid me... Concentration Rank 1

| R.T.   | EstConc  | Area  | Relative to ISTD | R.T.   |
|--------|----------|-------|------------------|--------|
| 12.528 | 19.87 ng | 31598 | Phenanthrene-d10 | 11.433 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | (Z)-15-Octadecenoic acid methyl ... | 296 | C19H36O2 | 1000427-69-3 | 86   |
| 2    |    |   | trans-13-Octadecenoic acid, meth... | 296 | C19H36O2 | 1000333-61-3 | 80   |
| 3    |    |   | 16-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-49-5  | 64   |
| 4    |    |   | 9-Octadecenoic acid, (E)-           | 282 | C18H34O2 | 000112-79-8  | 53   |
| 5    |    |   | 10-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 013481-95-3  | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

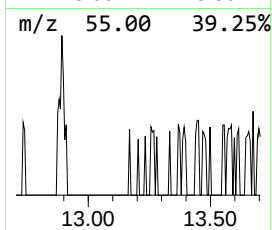
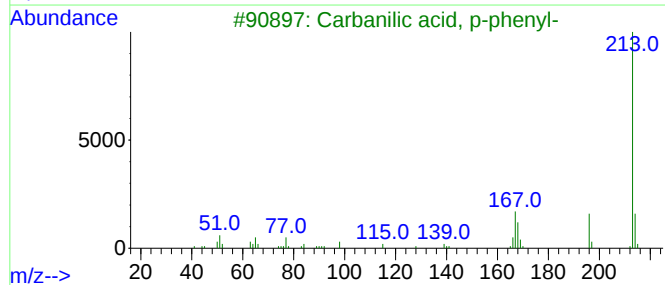
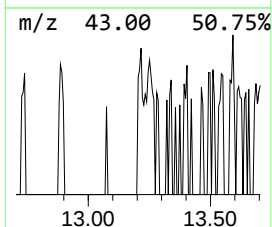
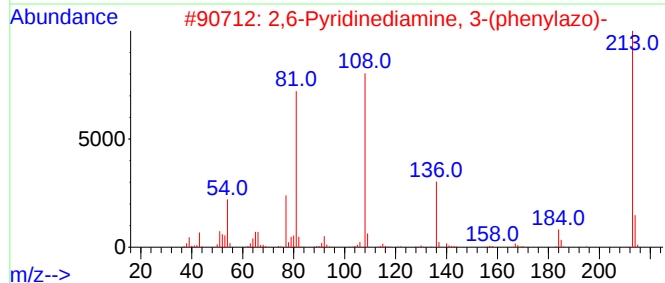
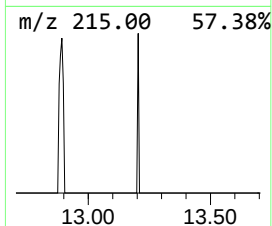
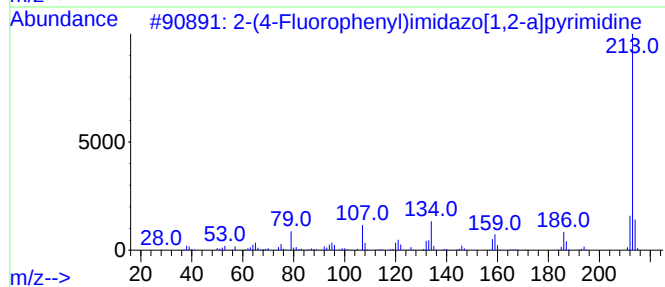
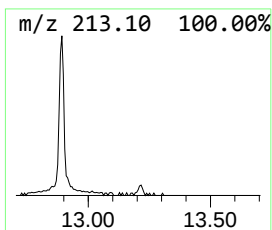
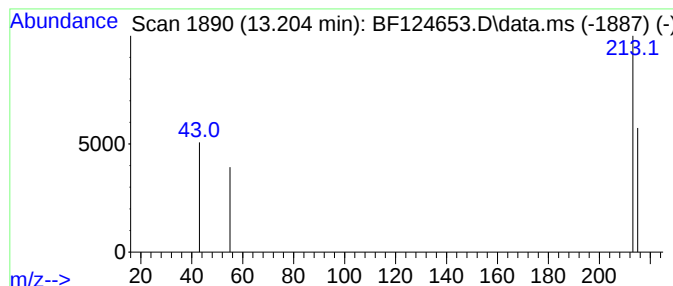
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 unknown13.204 Concentration Rank 8

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 13.204 | 2.68 ng | 3625 | Chrysene-d12     | 14.074 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2-(4-Fluorophenyl)imidazo[1,2-a]... | 213 | C12H8FN3     | 000397-53-5  | 2       |      |      |
| 2    | 2,6-Pyridinediamine, 3-(phenylazo)- | 213 | C11H11N5     | 000094-78-0  | 2       |      |      |
| 3    | Carbanilic acid, p-phenyl-          | 213 | C13H11NO2    | 004474-53-7  | 2       |      |      |
| 4    | naphth[1,2-d]oxazole, 8-methoxy-... | 213 | C13H11NO2    | 1000396-17-9 | 2       |      |      |
| 5    | Nitrobenzene, 3,4,5-trimethoxy-     | 213 | C9H11NO5     | 006307-90-0  | 2       |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

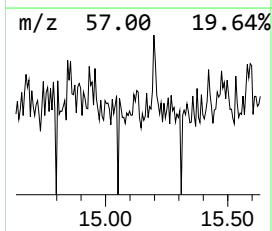
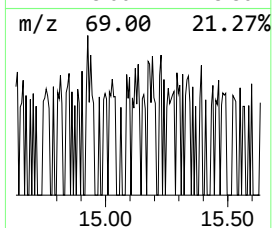
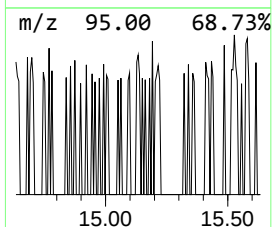
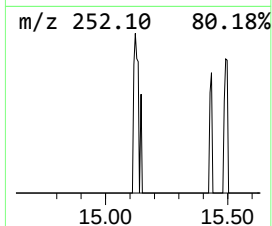
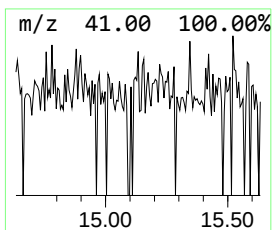
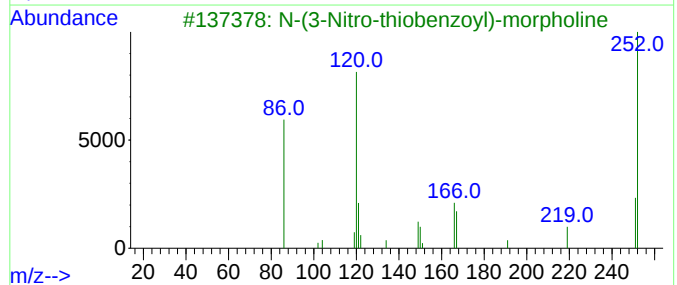
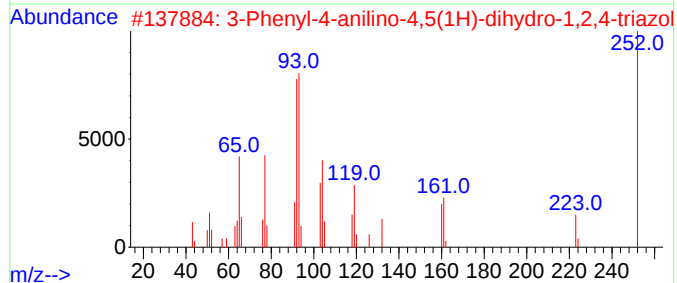
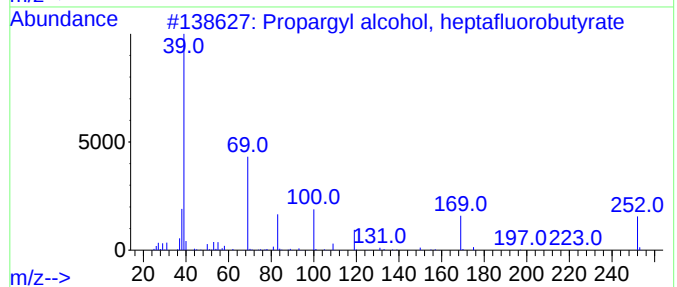
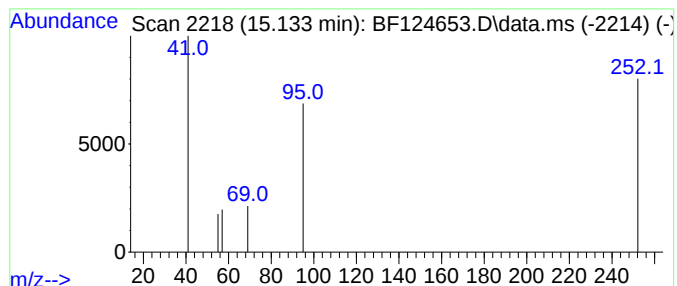
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 unknown15.133 Concentration Rank 9

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 15.133 | 2.56 ng | 2310 | Perylene-d12     | 15.563 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Propargyl alcohol, heptafluorobu... | 252 | C7H3F7O2    | 1000352-28-1 | 3    |
| 2    |    |   | 3-Phenyl-4-anilino-4,5(1H)-dihyd... | 252 | C14H12N4O   | 057735-14-5  | 3    |
| 3    |    |   | N-(3-Nitro-thiobenzoyl)-morpholine  | 252 | C11H12N2O3S | 050903-05-4  | 3    |
| 4    |    |   | 2,6-Dimethoxy-9-methyl-anthracene   | 252 | C17H16O2    | 110038-59-0  | 3    |
| 5    |    |   | 1-Phenyl-3,5,7-trimethyl-6H-pyra... | 252 | C15H16N4    | 063536-14-1  | 3    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

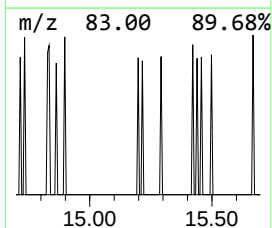
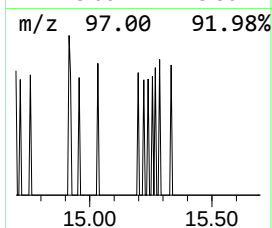
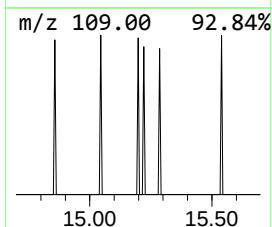
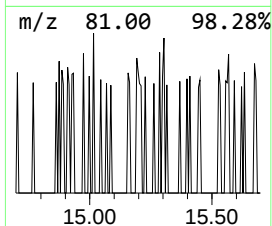
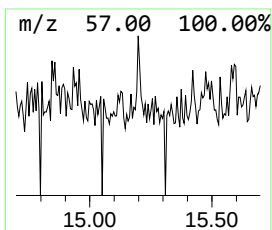
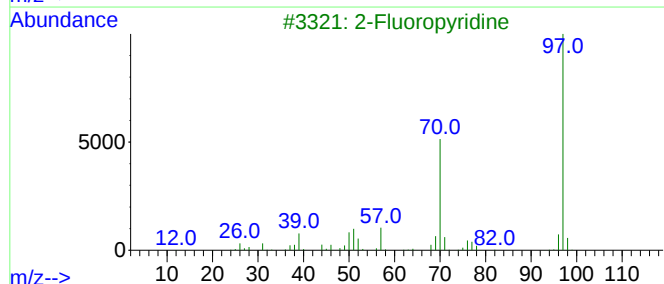
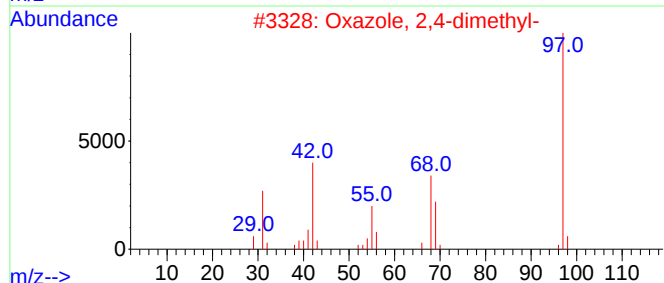
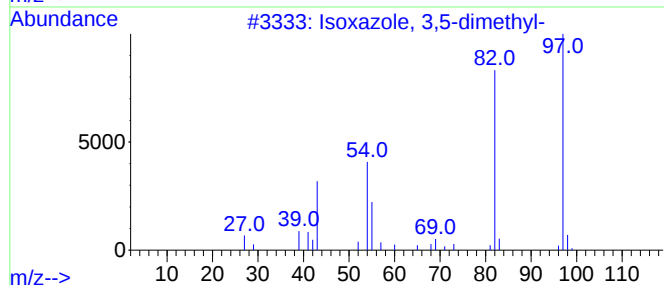
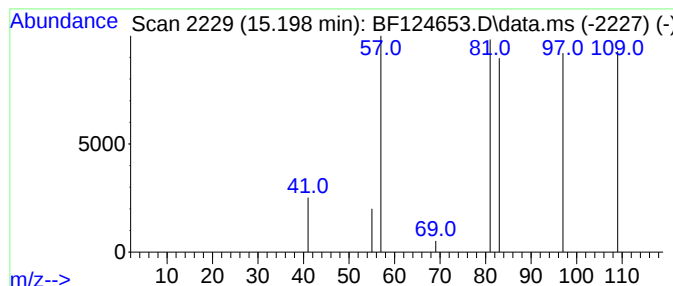
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown15.198 Concentration Rank 10

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 15.198 | 2.28 ng | 2055 | Perylene-d12     | 15.563 |

| Hit# | of 5 | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|------|-----------------------------|----|---------|-------------|------|
| 1    |      | Isoxazole, 3,5-dimethyl-    | 97 | C5H7NO  | 000300-87-8 | 5    |
| 2    |      | Oxazole, 2,4-dimethyl-      | 97 | C5H7NO  | 007208-05-1 | 4    |
| 3    |      | 2-Fluoropyridine            | 97 | C5H4FN  | 000372-48-5 | 4    |
| 4    |      | 5-Amino-3-methylpyrazole    | 97 | C4H7N3  | 031230-17-8 | 4    |
| 5    |      | 4H-1,2,4-Triazole, 4-ethyl- | 97 | C4H7N3  | 043183-55-7 | 4    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

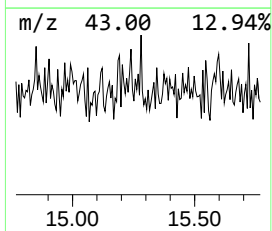
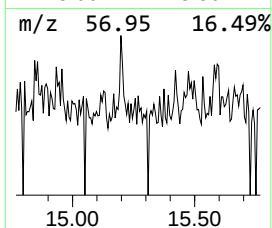
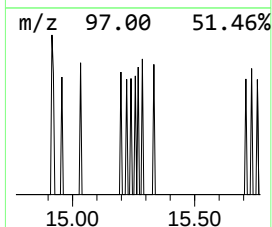
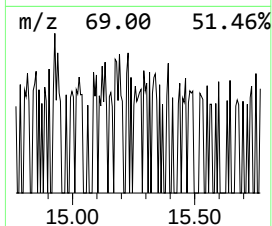
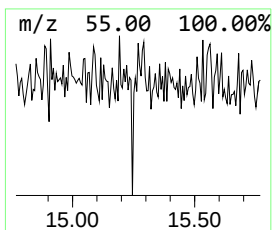
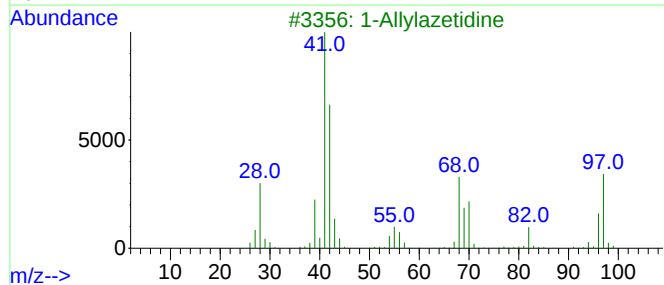
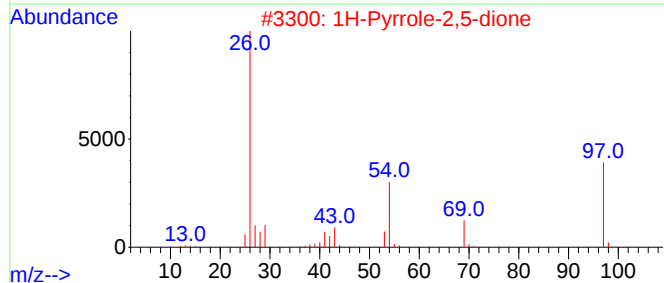
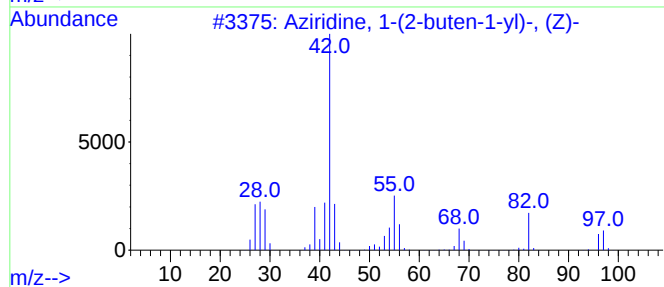
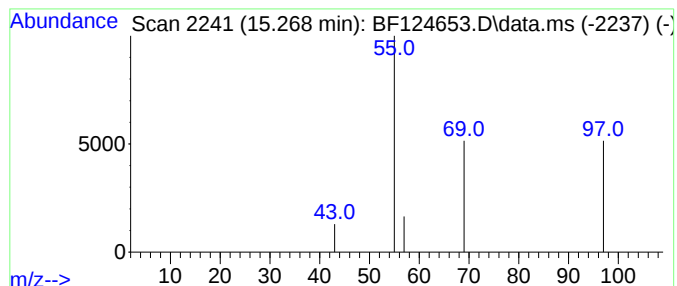
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 unknown15.269 Concentration Rank 12

| R.T.      | EstConc                            | Area | Relative to ISTD | R.T.         |      |
|-----------|------------------------------------|------|------------------|--------------|------|
| 15.269    | 2.09 ng                            | 1885 | Perylene-d12     | 15.563       |      |
| Hit# of 5 | Tentative ID                       | MW   | MolForm          | CAS#         | Qual |
| 1         | Aziridine, 1-(2-buten-1-yl)-, (Z)- | 97   | C6H11N           | 1000158-95-6 | 3    |
| 2         | 1H-Pyrrole-2,5-dione               | 97   | C4H3NO2          | 000541-59-3  | 3    |
| 3         | 1-Allylazetidine                   | 97   | C6H11N           | 1000195-02-5 | 2    |
| 4         | 1,2,4,5-Tetrazin-3-amine           | 97   | C2H3N5           | 079329-74-1  | 1    |
| 5         | Aziridine, 1-(2-buten-1-yl)-, (E)- | 97   | C6H11N           | 1000158-95-5 | 1    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

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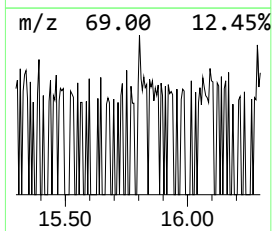
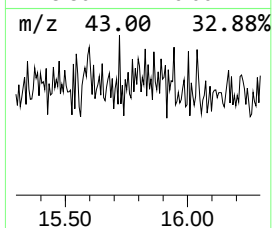
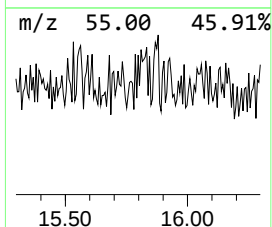
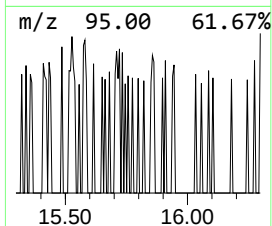
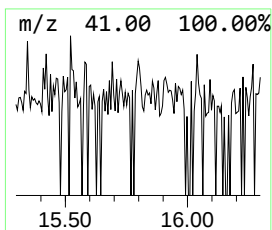
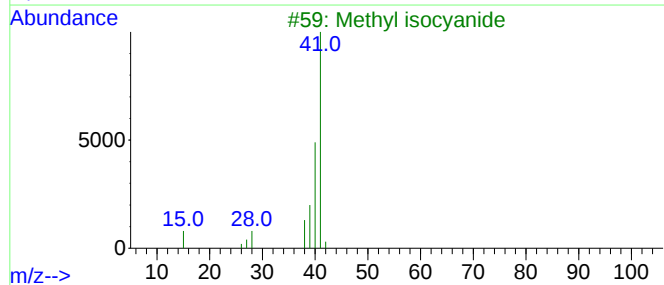
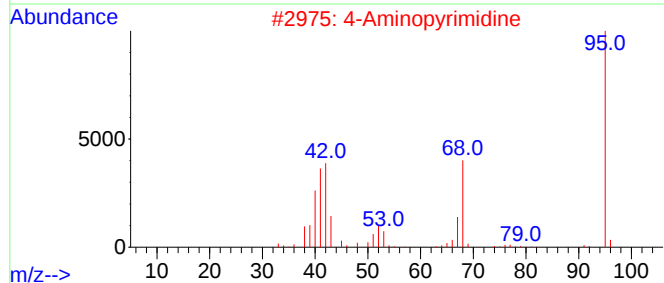
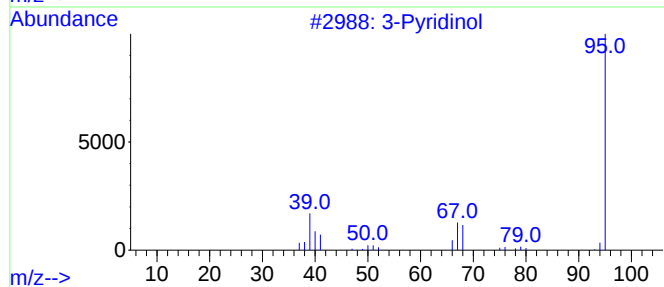
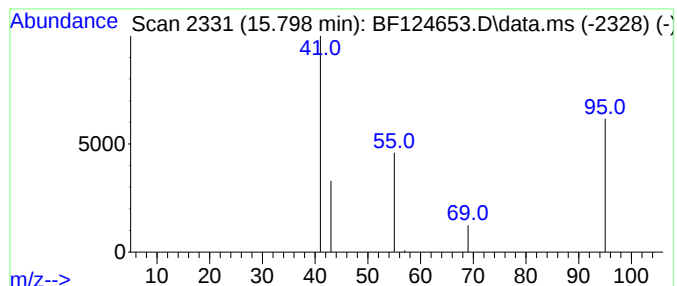
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown15.798 Concentration Rank 13

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 15.798 | 2.08 ng | 1875 | Perylene-d12     | 15.563 |

| Hit# | of                           | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|------------------------------|---|--------------|----|---------|-------------|------|
| 1    | 3-Pyridinol                  |   |              | 95 | C5H5NO  | 000109-00-2 | 2    |
| 2    | 4-Aminopyrimidine            |   |              | 95 | C4H5N3  | 000591-54-8 | 2    |
| 3    | Methyl isocyanide            |   |              | 41 | C2H3N   | 000593-75-9 | 1    |
| 4    | Acetonitrile                 |   |              | 41 | C2H3N   | 000075-05-8 | 1    |
| 5    | Acetonitrile, 2,2'-iminobis- |   |              | 95 | C4H5N3  | 000628-87-5 | 1    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

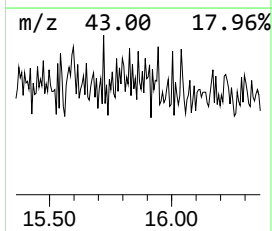
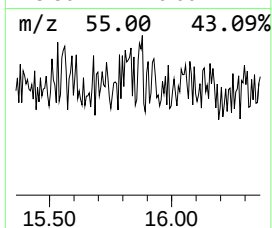
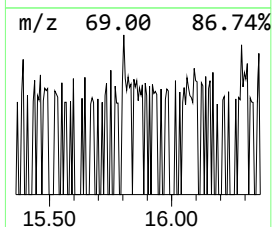
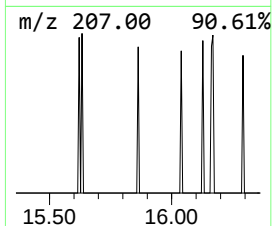
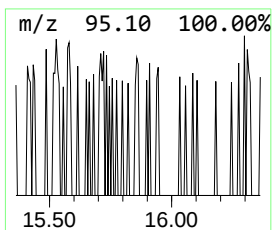
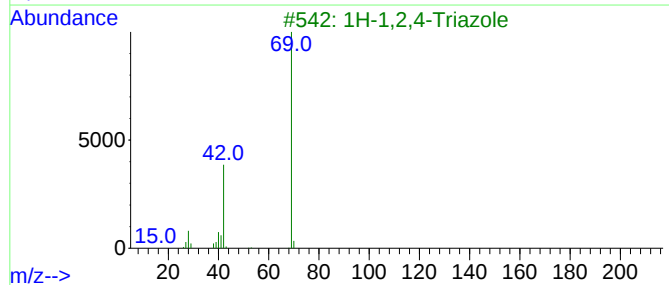
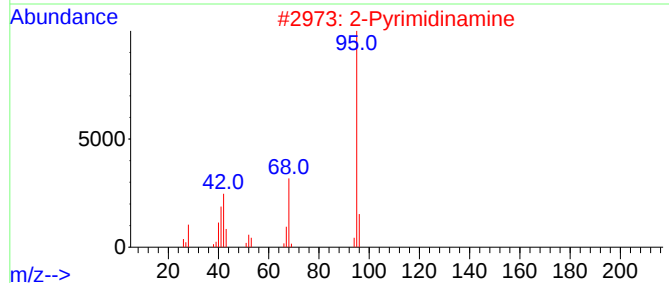
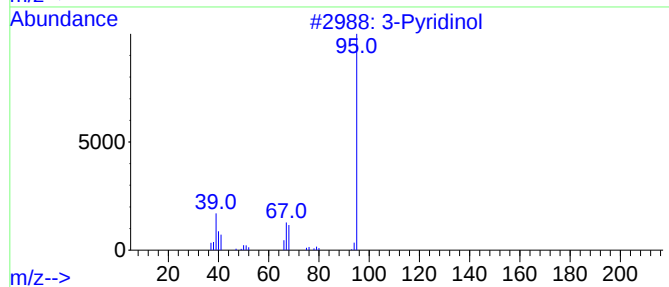
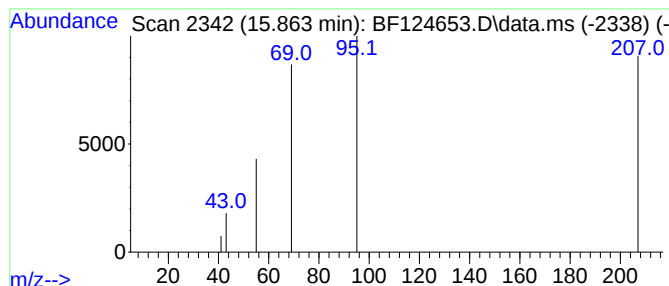
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 unknown15.863 Concentration Rank 6

| R.T.      | EstConc           | Area | Relative to ISTD | R.T.        |      |
|-----------|-------------------|------|------------------|-------------|------|
| 15.863    | 2.79 ng           | 2516 | Perylene-d12     | 15.563      |      |
| Hit# of 5 | Tentative ID      | MW   | MolForm          | CAS#        | Qual |
| 1         | 3-Pyridinol       | 95   | C5H5NO           | 000109-00-2 | 3    |
| 2         | 2-Pyrimidinamine  | 95   | C4H5N3           | 000109-12-6 | 3    |
| 3         | 1H-1,2,4-Triazole | 69   | C2H3N3           | 000288-88-0 | 3    |
| 4         | 4-Pyridazinamine  | 95   | C4H5N3           | 020744-39-2 | 2    |
| 5         | 4-Aminopyrimidine | 95   | C4H5N3           | 000591-54-8 | 2    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

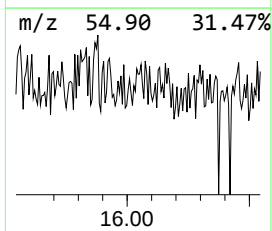
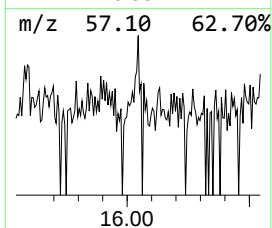
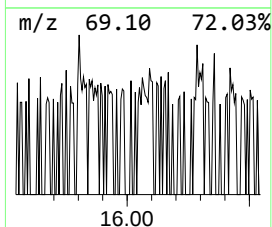
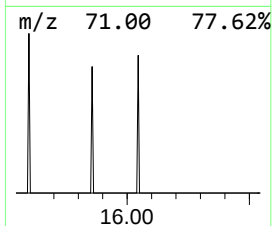
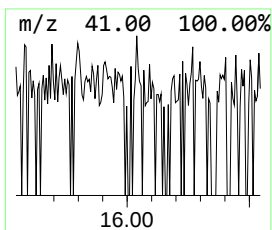
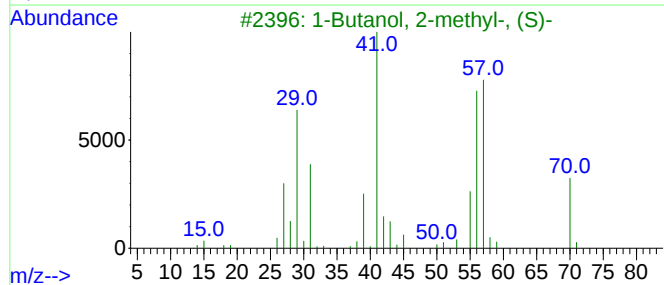
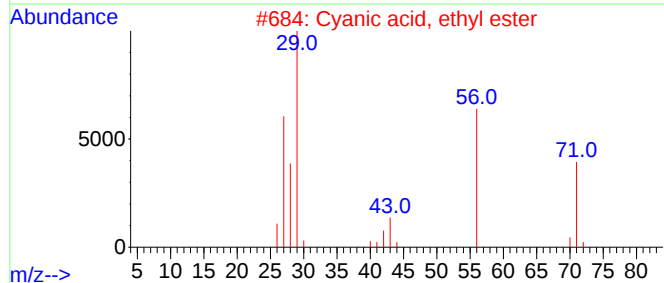
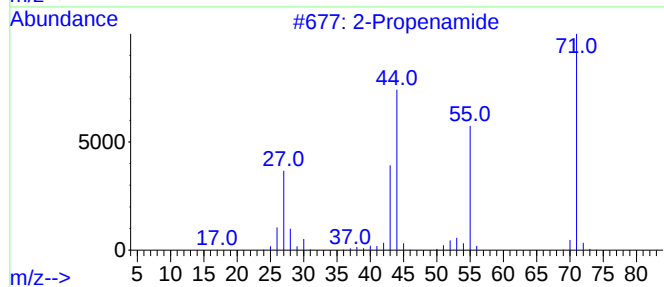
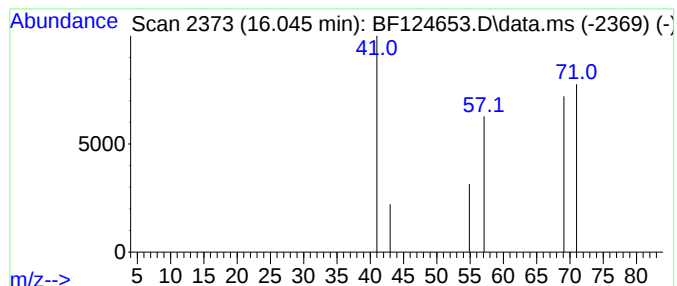
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 unknown16.045 Concentration Rank 7

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 16.045 | 2.70 ng | 2436 | Perylene-d12     | 15.563 |

| Hit# | of 5                               | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|------------------------------------|--------------|-----|----------|--------------|------|
| 1    | 2-Propenamide                      |              | 71  | C3H5NO   | 000079-06-1  | 7    |
| 2    | Cyanoic acid, ethyl ester          |              | 71  | C3H5NO   | 000627-48-5  | 3    |
| 3    | 1-Butanol, 2-methyl-, (S)-         |              | 88  | C5H12O   | 001565-80-6  | 2    |
| 4    | Oxalic acid, isobutyl pentyl ester |              | 216 | C11H20O4 | 1000309-37-0 | 2    |
| 5    | Methoxyacetoneitrile               |              | 71  | C3H5NO   | 001738-36-9  | 1    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

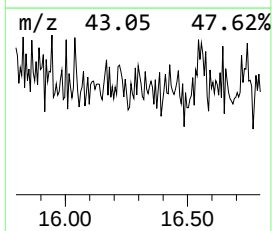
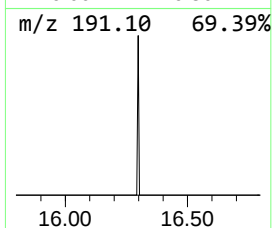
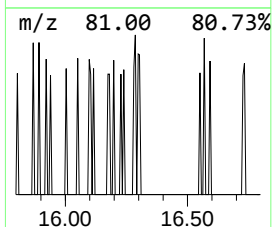
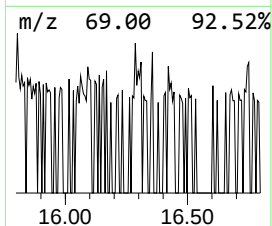
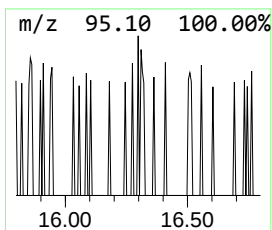
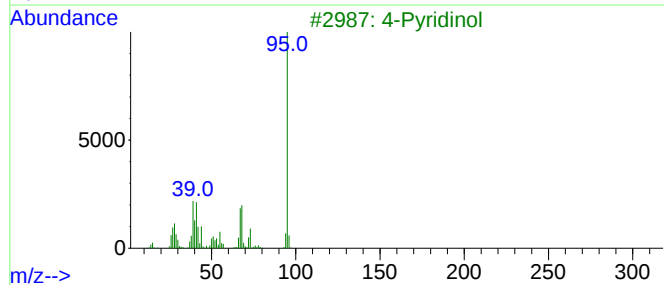
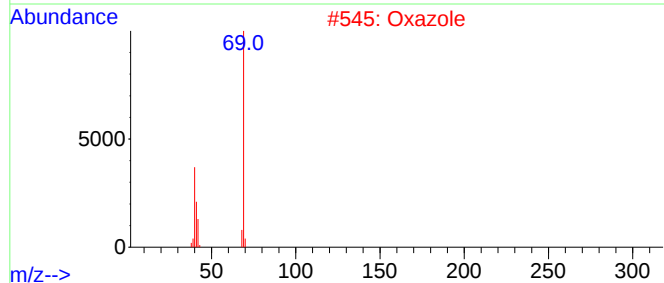
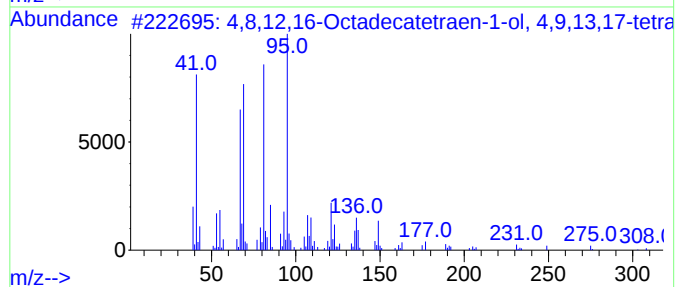
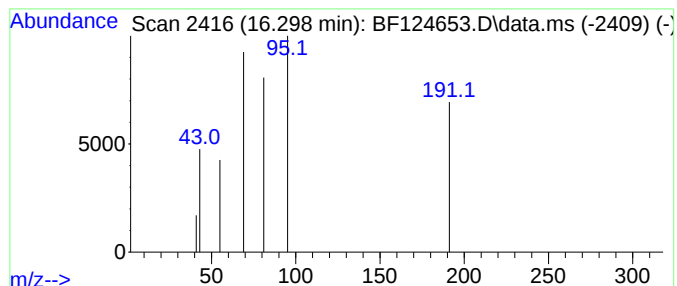
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.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 unknown16.298 Concentration Rank 4

| R.T.      | EstConc                             | Area | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|------|------------------|--------------|------|
| 16.298    | 3.02 ng                             | 2730 | Perylene-d12     | 15.563       |      |
| Hit# of 5 | Tentative ID                        | MW   | MolForm          | CAS#         | Qual |
| 1         | 4,8,12,16-Octadecatetraen-1-ol, ... | 318  | C22H38O          | 1000142-00-0 | 9    |
| 2         | Oxazole                             | 69   | C3H3NO           | 000288-42-6  | 3    |
| 3         | 4-Pyridinol                         | 95   | C5H5NO           | 000626-64-2  | 2    |
| 4         | Pyridine, 1-oxide                   | 95   | C5H5NO           | 000694-59-7  | 2    |
| 5         | 1,3-Dimethyl-5-heptafluorobutyry... | 324  | C12H15F7O2       | 1000216-63-8 | 2    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

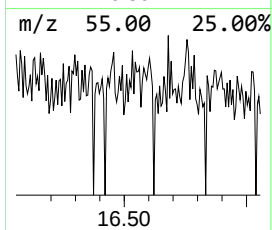
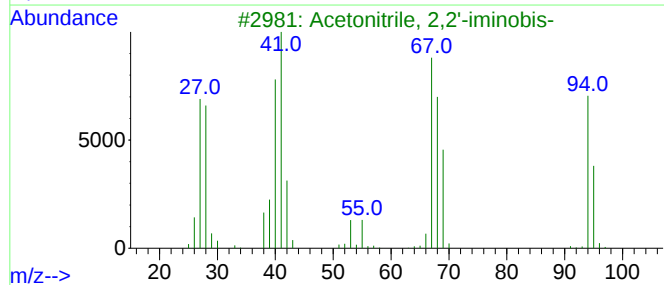
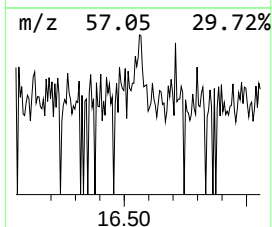
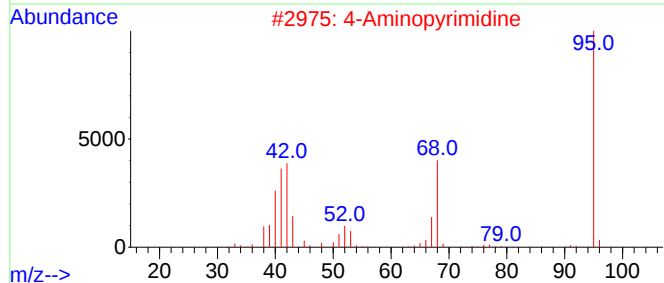
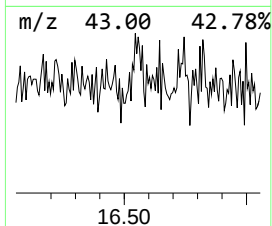
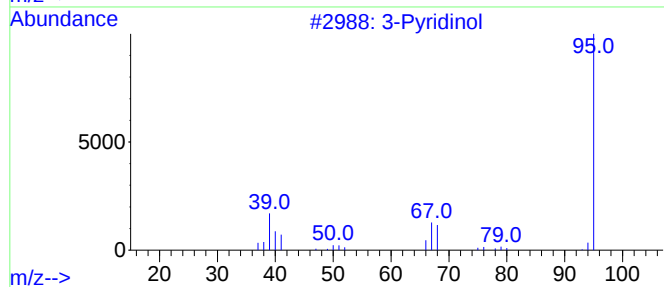
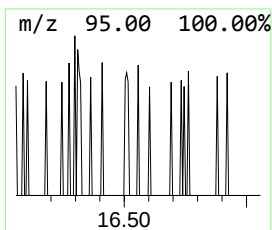
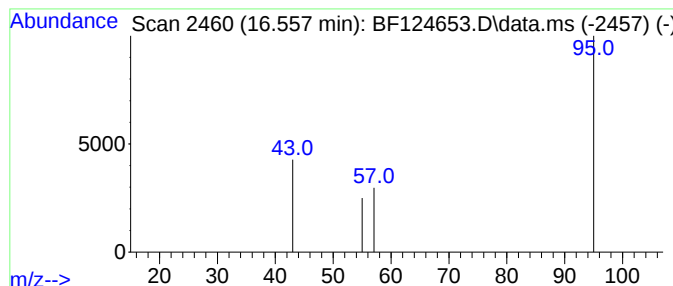
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 unknown16.557 Concentration Rank 5

| R.T.   | EstConc | Area | Relative to ISTD |  | R.T.   |
|--------|---------|------|------------------|--|--------|
| 16.557 | 2.90 ng | 2618 | Perylene-d12     |  | 15.563 |

| Hit# | of 5                                | Tentative ID    | MW  | MolForm  | CAS#        | Qual |
|------|-------------------------------------|-----------------|-----|----------|-------------|------|
| 1    | 3                                   | Pyridinol       | 95  | C5H5NO   | 000109-00-2 | 2    |
| 2    | 4                                   | Aminopyrimidine | 95  | C4H5N3   | 000591-54-8 | 2    |
| 3    | Acetonitrile, 2,2'                  | -iminobis-      | 95  | C4H5N3   | 000628-87-5 | 2    |
| 4    | Bromonitromethane                   |                 | 139 | CH2BrNO2 | 000563-70-2 | 1    |
| 5    | Ketone, 1,5-dimethylbicyclo[2.1.... |                 | 138 | C9H14O   | 024081-57-0 | 1    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

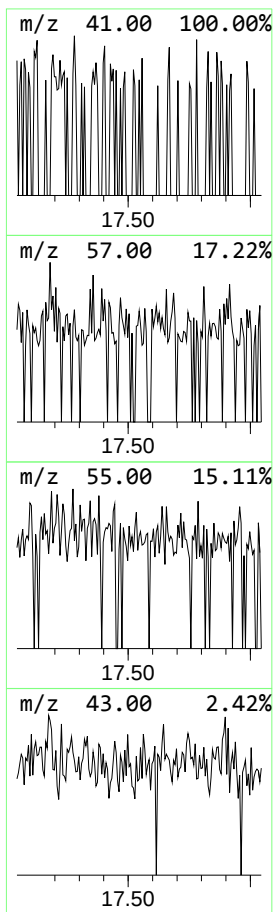
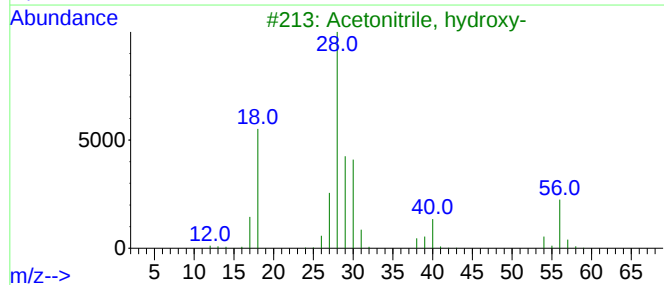
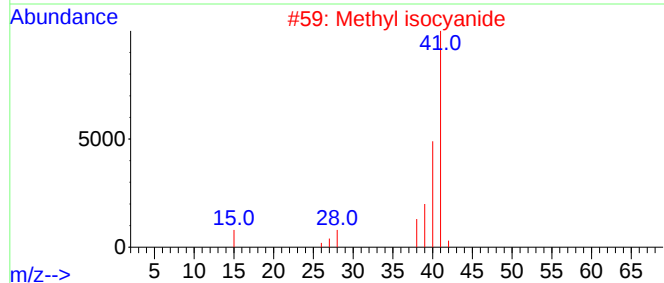
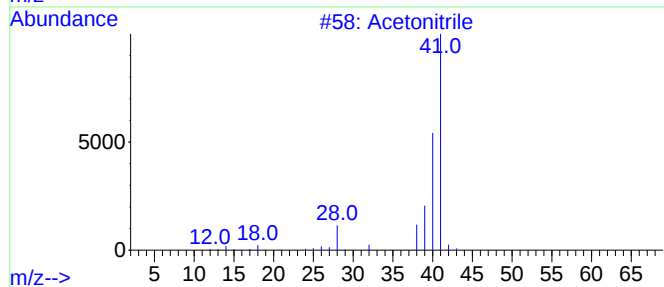
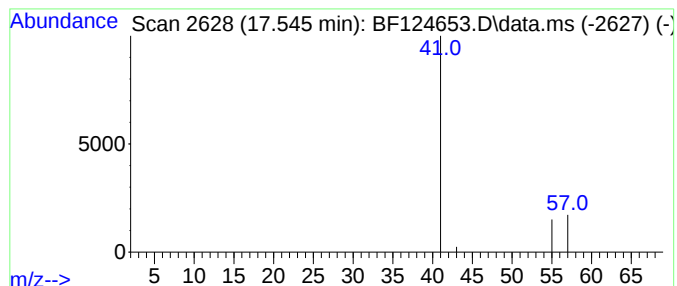
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 unknown17.545 Concentration Rank 11

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 17.545 | 2.22 ng | 2004 | Perylene-d12     | 15.563 |

| Hit# | of | 5 | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|---|------------------------|----|---------|-------------|------|
| 1    |    |   | Acetonitrile           | 41 | C2H3N   | 000075-05-8 | 1    |
| 2    |    |   | Methyl isocyanide      | 41 | C2H3N   | 000593-75-9 | 1    |
| 3    |    |   | Acetonitrile, hydroxy- | 57 | C2H3NO  | 000107-16-4 | 1    |
| 4    |    |   | 2-Propen-1-amine       | 57 | C3H7N   | 000107-11-9 | 1    |
| 5    |    |   | Pentanenitrile         | 83 | C5H9N   | 000110-59-8 | 1    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124653.D  
Acq On : 21 Jul 2021 5:19  
Operator : JU/CG  
Sample : M3097-01 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-071921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.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 |
| Hexadecanoic ac... | 11.822 | 3.9     | ng    | 6139     | 4                     | 11.433 | 31798 | 20.0 |
| 6-Dodecyne         | 12.510 | 8.2     | ng    | 13002    | 4                     | 11.433 | 31798 | 20.0 |
| (Z)-15-Octadece... | 12.528 | 19.9    | ng    | 31598    | 4                     | 11.433 | 31798 | 20.0 |
| unknown13.204      | 13.204 | 2.7     | ng    | 3625     | 5                     | 14.074 | 27049 | 20.0 |
| unknown15.133      | 15.133 | 2.6     | ng    | 2310     | 6                     | 15.563 | 18057 | 20.0 |
| unknown15.198      | 15.198 | 2.3     | ng    | 2055     | 6                     | 15.563 | 18057 | 20.0 |
| unknown15.269      | 15.269 | 2.1     | ng    | 1885     | 6                     | 15.563 | 18057 | 20.0 |
| unknown15.798      | 15.798 | 2.1     | ng    | 1875     | 6                     | 15.563 | 18057 | 20.0 |
| unknown15.863      | 15.863 | 2.8     | ng    | 2516     | 6                     | 15.563 | 18057 | 20.0 |
| unknown16.045      | 16.045 | 2.7     | ng    | 2436     | 6                     | 15.563 | 18057 | 20.0 |
| unknown16.298      | 16.298 | 3.0     | ng    | 2730     | 6                     | 15.563 | 18057 | 20.0 |
| unknown16.557      | 16.557 | 2.9     | ng    | 2618     | 6                     | 15.563 | 18057 | 20.0 |
| unknown17.545      | 17.545 | 2.2     | ng    | 2004     | 6                     | 15.563 | 18057 | 20.0 |