

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082521\  
 Data File : BF125212.D  
 Acq On : 25 Aug 2021 16:25  
 Operator : JU/CG  
 Sample : M3467-13  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-2-(161.00)

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-BF081821.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125212.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         | 2.216       | 16            | 22          | 27           | rVB      | 657727         | 871074        | 29.21%          | 2.882%        |
| 2         | 5.140       | 514           | 519         | 523          | rVB      | 72008          | 91104         | 3.05%           | 0.301%        |
| 3         | 5.528       | 581           | 585         | 589          | rBV      | 2918149        | 2982159       | 100.00%         | 9.868%        |
| 4         | 6.534       | 751           | 756         | 759          | rBV      | 3059705        | 2951824       | 98.98%          | 9.767%        |
| 5         | 6.910       | 817           | 820         | 824          | rBV      | 940400         | 803173        | 26.93%          | 2.658%        |
| 6         | 7.475       | 911           | 916         | 919          | rBV      | 2185889        | 1922348       | 64.46%          | 6.361%        |
| 7         | 8.092       | 1018          | 1021        | 1033         | rBV      | 99902          | 208474        | 6.99%           | 0.690%        |
| 8         | 8.192       | 1035          | 1038        | 1041         | rVV      | 1105006        | 1009459       | 33.85%          | 3.340%        |
| 9         | 8.216       | 1041          | 1042        | 1046         | rVB      | 56527          | 34838         | 1.17%           | 0.115%        |
| 10        | 8.904       | 1156          | 1159        | 1165         | rVB      | 55581          | 45738         | 1.53%           | 0.151%        |
| 11        | 9.269       | 1217          | 1221        | 1224         | rBV      | 3052308        | 2461478       | 82.54%          | 8.145%        |
| 12        | 9.657       | 1284          | 1287        | 1291         | rBV      | 84520          | 74999         | 2.51%           | 0.248%        |
| 13        | 9.810       | 1310          | 1313        | 1316         | rBV      | 51643          | 42328         | 1.42%           | 0.140%        |
| 14        | 9.951       | 1333          | 1337        | 1340         | rBV      | 1233788        | 1058119       | 35.48%          | 3.501%        |
| 15        | 9.980       | 1340          | 1342        | 1346         | rVB      | 49296          | 39673         | 1.33%           | 0.131%        |
| 16        | 10.151      | 1366          | 1371        | 1376         | rVB      | 70263          | 64530         | 2.16%           | 0.214%        |
| 17        | 10.498      | 1427          | 1430        | 1435         | rVB      | 36184          | 34890         | 1.17%           | 0.115%        |
| 18        | 10.733      | 1466          | 1470        | 1474         | rBV      | 2197840        | 1967455       | 65.97%          | 6.510%        |
| 19        | 10.863      | 1487          | 1492        | 1499         | rVB4     | 34915          | 47044         | 1.58%           | 0.156%        |
| 20        | 11.239      | 1553          | 1556        | 1560         | rBV      | 54623          | 45315         | 1.52%           | 0.150%        |
| 21        | 11.327      | 1567          | 1571        | 1576         | rVB3     | 21442          | 32446         | 1.09%           | 0.107%        |
| 22        | 11.433      | 1586          | 1589        | 1592         | rBV      | 1159503        | 1000260       | 33.54%          | 3.310%        |
| 23        | 11.457      | 1592          | 1593        | 1597         | rVB      | 139612         | 91199         | 3.06%           | 0.302%        |
| 24        | 11.510      | 1599          | 1602        | 1605         | rBV      | 101413         | 79488         | 2.67%           | 0.263%        |
| 25        | 11.663      | 1622          | 1628        | 1633         | rBV2     | 48013          | 58141         | 1.95%           | 0.192%        |
| 26        | 11.822      | 1648          | 1655        | 1659         | rBV4     | 29205          | 36504         | 1.22%           | 0.121%        |
| 27        | 11.874      | 1661          | 1664        | 1669         | rBV4     | 28451          | 31949         | 1.07%           | 0.106%        |
| 28        | 11.957      | 1671          | 1678        | 1682         | rBV2     | 302286         | 344306        | 11.55%          | 1.139%        |
| 29        | 12.051      | 1690          | 1694        | 1696         | rBV2     | 34020          | 35752         | 1.20%           | 0.118%        |
| 30        | 12.133      | 1701          | 1708        | 1711         | rBV8     | 14469          | 34123         | 1.14%           | 0.113%        |
| 31        | 12.251      | 1726          | 1728        | 1733         | rVB      | 40253          | 42465         | 1.42%           | 0.141%        |
| 32        | 12.410      | 1752          | 1755        | 1758         | rBV      | 54433          | 46278         | 1.55%           | 0.153%        |
| 33        | 12.569      | 1780          | 1782        | 1789         | rVB      | 51573          | 50623         | 1.70%           | 0.168%        |
| 34        | 12.651      | 1792          | 1796        | 1802         | rVV      | 441650         | 402910        | 13.51%          | 1.333%        |
| 35        | 12.739      | 1808          | 1811        | 1814         | rBV2     | 117621         | 111142        | 3.73%           | 0.368%        |
| 36        | 12.880      | 1829          | 1835        | 1839         | rBV      | 386991         | 432489        | 14.50%          | 1.431%        |

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 Sample : M3467-13  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-2-(161.00)

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-BF081821.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 13.021 | 1855 | 1859 | 1865 | rVB  | 2158535 | 2067917 | 69.34% | 6.843% |
| 38 | 13.092 | 1868 | 1871 | 1875 | rBV4 | 43448   | 61429   | 2.06%  | 0.203% |
| 39 | 13.180 | 1879 | 1886 | 1888 | rBV6 | 47704   | 86301   | 2.89%  | 0.286% |
| 40 | 13.204 | 1888 | 1890 | 1893 | rVB2 | 69366   | 66845   | 2.24%  | 0.221% |
| 41 | 13.233 | 1893 | 1895 | 1899 | rBV2 | 38714   | 45838   | 1.54%  | 0.152% |
| 42 | 13.269 | 1899 | 1901 | 1904 | rVB  | 44807   | 38345   | 1.29%  | 0.127% |
| 43 | 13.310 | 1904 | 1908 | 1911 | rBV3 | 72847   | 82517   | 2.77%  | 0.273% |
| 44 | 13.404 | 1921 | 1924 | 1927 | rBV  | 40648   | 41784   | 1.40%  | 0.138% |
| 45 | 13.433 | 1927 | 1929 | 1933 | rVV2 | 35650   | 37242   | 1.25%  | 0.123% |
| 46 | 13.633 | 1960 | 1963 | 1965 | rVB  | 62550   | 47932   | 1.61%  | 0.159% |
| 47 | 13.710 | 1974 | 1976 | 1982 | rVB  | 85521   | 88363   | 2.96%  | 0.292% |
| 48 | 13.827 | 1991 | 1996 | 1999 | rBV3 | 63428   | 90647   | 3.04%  | 0.300% |
| 49 | 13.874 | 1999 | 2004 | 2008 | rVV4 | 135049  | 236290  | 7.92%  | 0.782% |
| 50 | 13.916 | 2008 | 2011 | 2013 | rVV2 | 70234   | 102946  | 3.45%  | 0.341% |
| 51 | 13.939 | 2013 | 2015 | 2018 | rVV  | 103119  | 98091   | 3.29%  | 0.325% |
| 52 | 13.998 | 2021 | 2025 | 2030 | rVV6 | 91648   | 206215  | 6.91%  | 0.682% |
| 53 | 14.074 | 2030 | 2038 | 2041 | rVV2 | 985057  | 1419217 | 47.59% | 4.696% |
| 54 | 14.104 | 2041 | 2043 | 2048 | rVB  | 346373  | 320327  | 10.74% | 1.060% |
| 55 | 14.180 | 2054 | 2056 | 2059 | rBV  | 92223   | 88905   | 2.98%  | 0.294% |
| 56 | 14.292 | 2072 | 2075 | 2077 | rBV  | 48070   | 47845   | 1.60%  | 0.158% |
| 57 | 14.427 | 2096 | 2098 | 2099 | rBV2 | 34212   | 31686   | 1.06%  | 0.105% |
| 58 | 14.463 | 2102 | 2104 | 2107 | rVV  | 82553   | 69776   | 2.34%  | 0.231% |
| 59 | 14.498 | 2107 | 2110 | 2114 | rVB3 | 69888   | 74552   | 2.50%  | 0.247% |
| 60 | 14.586 | 2122 | 2125 | 2127 | rBV3 | 77982   | 78223   | 2.62%  | 0.259% |
| 61 | 14.610 | 2127 | 2129 | 2133 | rVB3 | 57286   | 48820   | 1.64%  | 0.162% |
| 62 | 14.774 | 2154 | 2157 | 2159 | rBV3 | 41555   | 49397   | 1.66%  | 0.163% |
| 63 | 14.933 | 2181 | 2184 | 2187 | rBV2 | 72533   | 92586   | 3.10%  | 0.306% |
| 64 | 15.039 | 2198 | 2202 | 2206 | rBV2 | 55915   | 62922   | 2.11%  | 0.208% |
| 65 | 15.133 | 2213 | 2218 | 2221 | rBV  | 594845  | 912828  | 30.61% | 3.020% |
| 66 | 15.204 | 2228 | 2230 | 2233 | rVV3 | 41063   | 44054   | 1.48%  | 0.146% |
| 67 | 15.239 | 2233 | 2236 | 2240 | rVB  | 107446  | 114615  | 3.84%  | 0.379% |
| 68 | 15.333 | 2249 | 2252 | 2255 | rBV5 | 31817   | 49481   | 1.66%  | 0.164% |
| 69 | 15.445 | 2267 | 2271 | 2277 | rVB  | 350239  | 455057  | 15.26% | 1.506% |
| 70 | 15.510 | 2277 | 2282 | 2288 | rVV2 | 336985  | 475381  | 15.94% | 1.573% |
| 71 | 15.574 | 2288 | 2293 | 2296 | rVV2 | 798353  | 1031741 | 34.60% | 3.414% |
| 72 | 15.604 | 2296 | 2298 | 2305 | rVB  | 168662  | 214514  | 7.19%  | 0.710% |
| 73 | 15.745 | 2318 | 2322 | 2327 | rVB2 | 69376   | 100064  | 3.36%  | 0.331% |
| 74 | 17.080 | 2543 | 2549 | 2555 | rBV2 | 215948  | 398136  | 13.35% | 1.317% |
| 75 | 17.145 | 2555 | 2560 | 2566 | rVB  | 166336  | 284613  | 9.54%  | 0.942% |
| 76 | 17.327 | 2586 | 2591 | 2602 | rBV5 | 47092   | 124763  | 4.18%  | 0.413% |

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Sample : M3467-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-2-(161.00)

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-BF081821.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 17.445 | 2606 | 2611 | 2618 | rVV5 | 105889 | 235071 | 7.88%  | 0.778% |
| 78 | 17.533 | 2620 | 2626 | 2637 | rVB  | 194369 | 412038 | 13.82% | 1.363% |

Sum of corrected areas: 30221411



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Sample : M3467-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-2-(161.00)

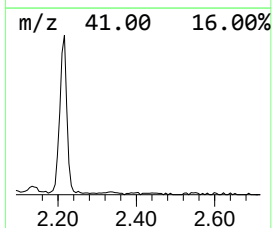
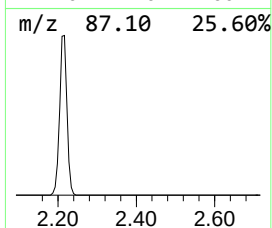
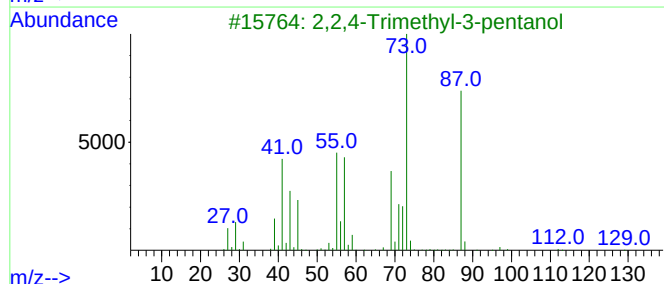
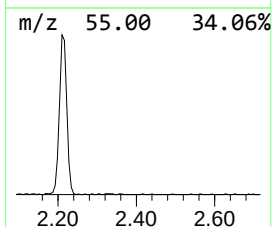
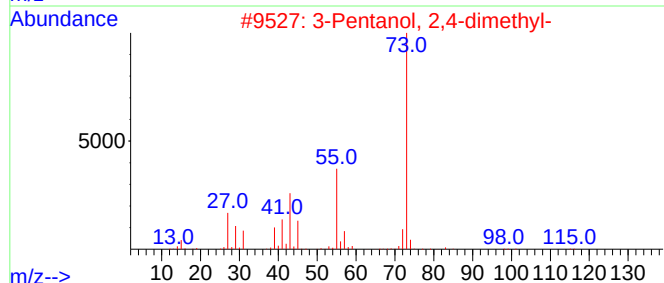
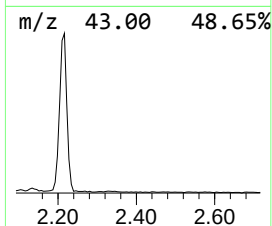
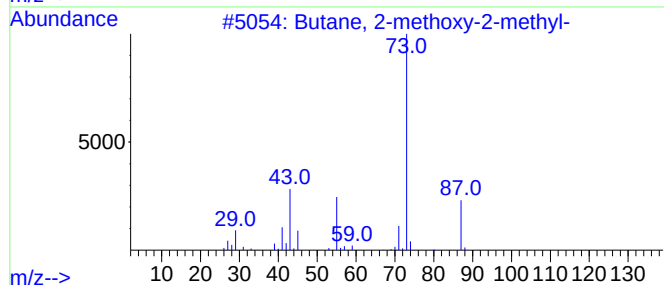
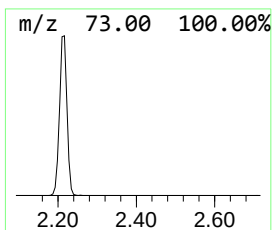
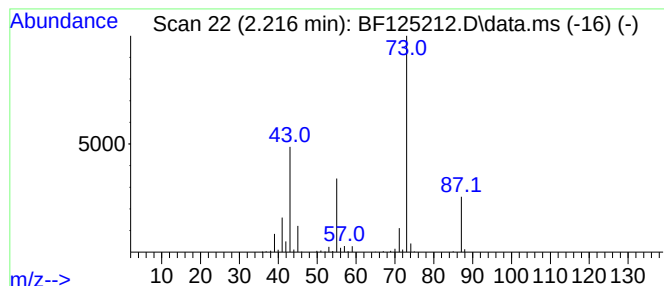
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 2.216 | 21.69 ng | 871074 | 1,4-Dichlorobenzene-d4 | 6.910 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    |   | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 43   |
| 3    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 38   |
| 5    |    |   | 3-Pentanol, 3-methyl-       | 102 | C6H14O  | 000077-74-7 | 23   |



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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-2-(161.00)

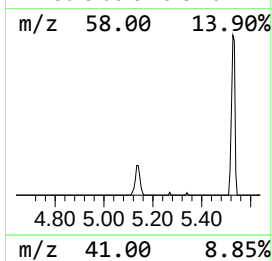
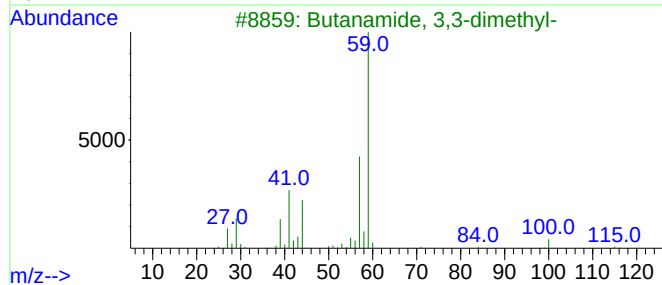
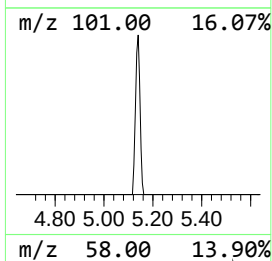
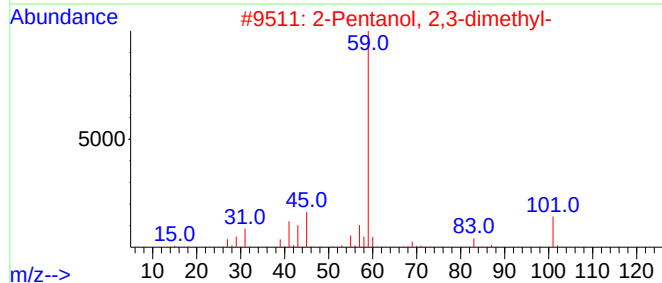
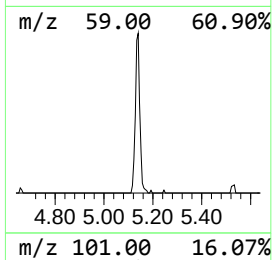
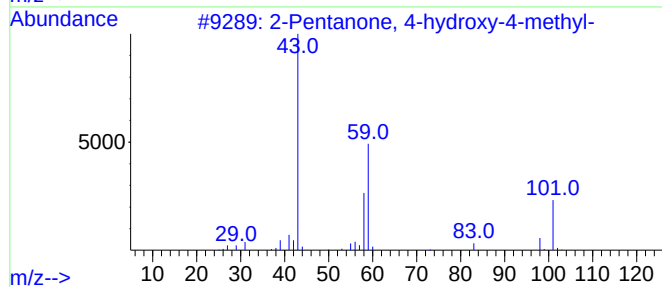
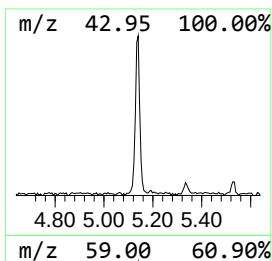
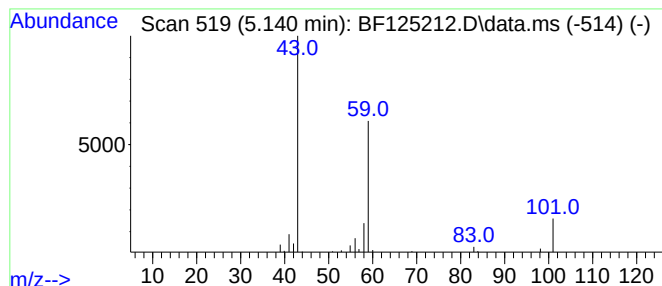
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.140 | 2.27 ng | 91104 | 1,4-Dichlorobenzene-d4 | 6.910 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------------|-----|---------|-------------|------|
| 1    |      | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |      | 2-Pentanol, 2,3-dimethyl-        | 116 | C7H16O  | 004911-70-0 | 9    |
| 3    |      | Butanamide, 3,3-dimethyl-        | 115 | C6H13NO | 000926-04-5 | 9    |
| 4    |      | Hexanamide                       | 115 | C6H13NO | 000628-02-4 | 9    |
| 5    |      | 1-Propen-2-ol, acetate           | 100 | C5H8O2  | 000108-22-5 | 9    |



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Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-2-(161.00)

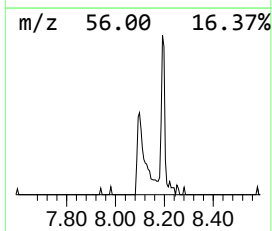
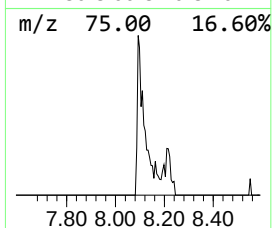
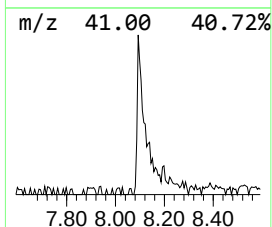
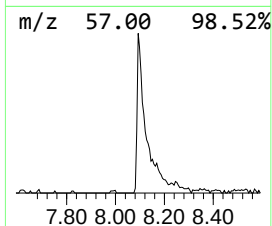
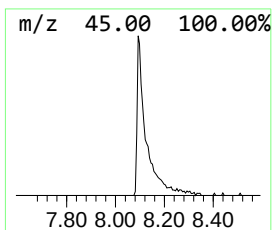
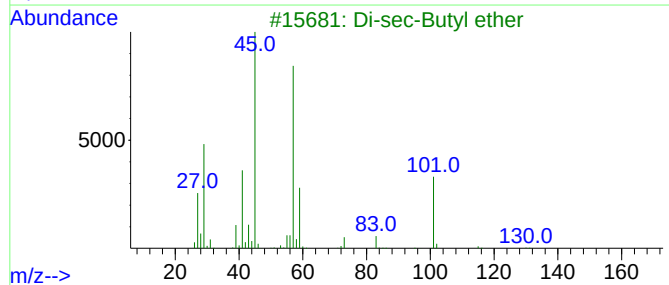
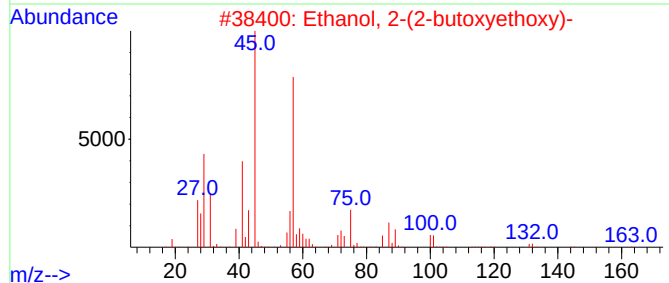
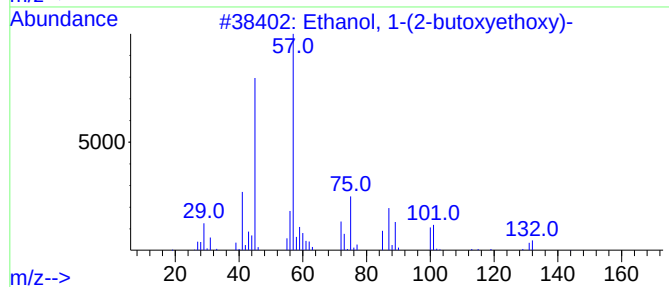
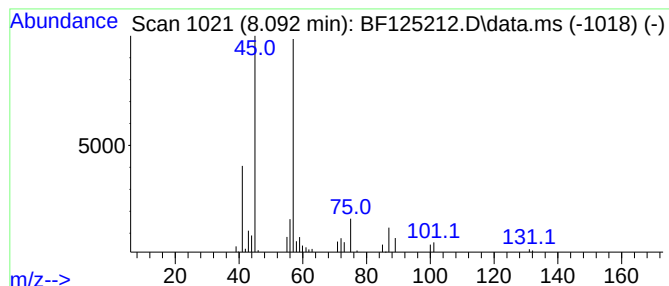
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Ethanol, 1-(2-butoxyethoxy)- Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.092 | 4.13 ng | 208474 | Naphthalene-d8   | 8.192 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Ethanol, 1-(2-butoxyethoxy)-        | 162 | C8H18O3 | 054446-78-5 | 83   |
| 2    |    |   | Ethanol, 2-(2-butoxyethoxy)-        | 162 | C8H18O3 | 000112-34-5 | 83   |
| 3    |    |   | Di-sec-Butyl ether                  | 130 | C8H18O  | 006863-58-7 | 59   |
| 4    |    |   | Butane, 1-(1-methylpropoxy)-        | 130 | C8H18O  | 000999-65-5 | 53   |
| 5    |    |   | Propanoic acid, 2-hydroxy-, 2-me... | 146 | C7H14O3 | 000585-24-0 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082521\  
Data File : BF125212.D  
Acq On : 25 Aug 2021 16:25  
Operator : JU/CG  
Sample : M3467-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-2-(161.00)

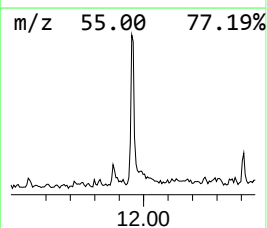
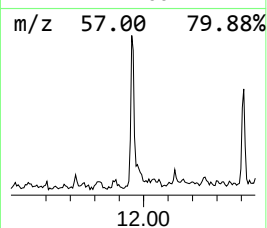
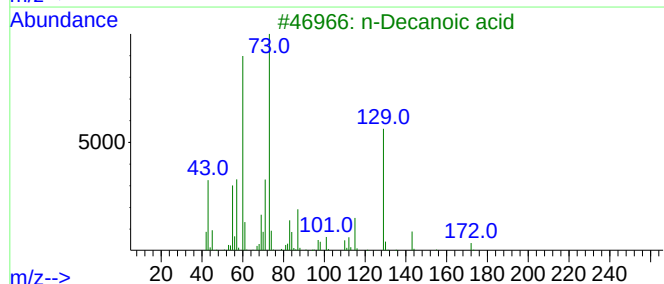
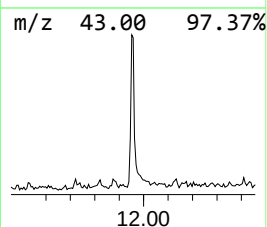
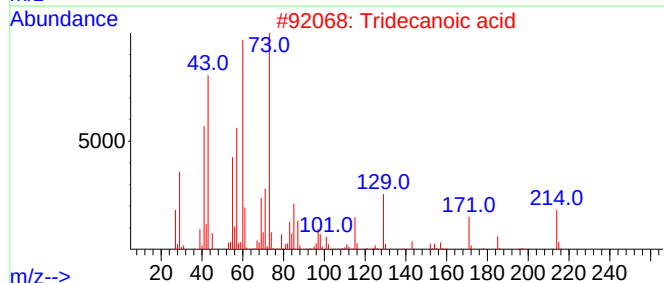
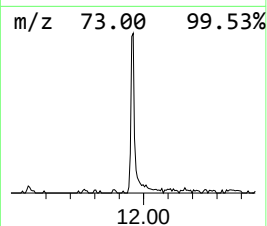
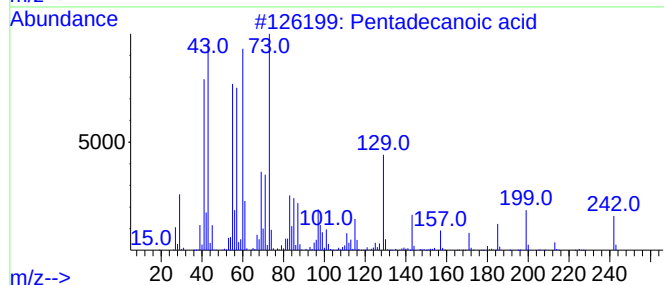
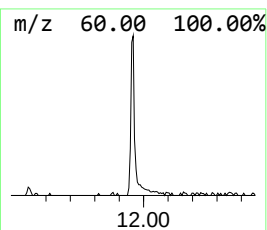
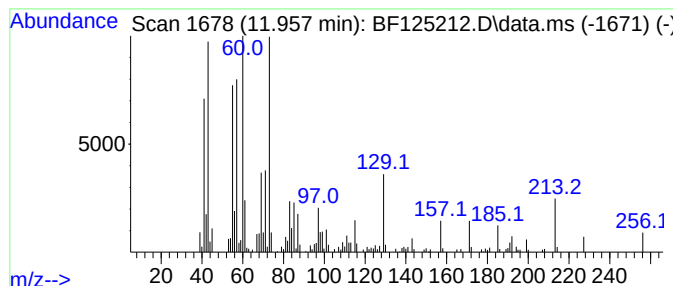
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Pentadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.957 | 6.88 ng | 344306 | Phenanthrene-d10 | 11.433 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 81   |
| 3    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 78   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 64   |
| 5    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 59   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082521\  
Data File : BF125212.D  
Acq On : 25 Aug 2021 16:25  
Operator : JU/CG  
Sample : M3467-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

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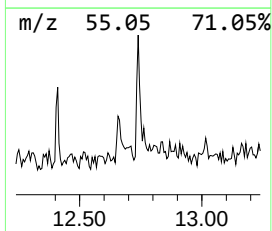
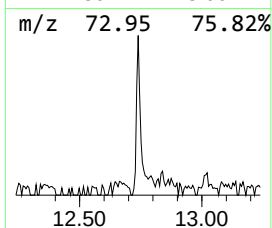
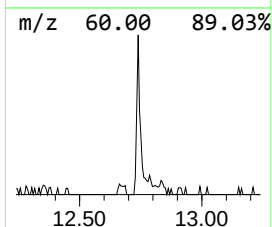
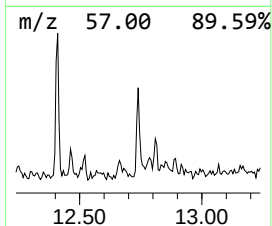
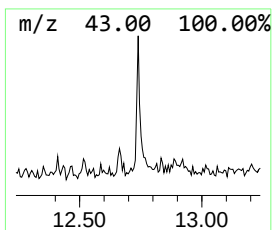
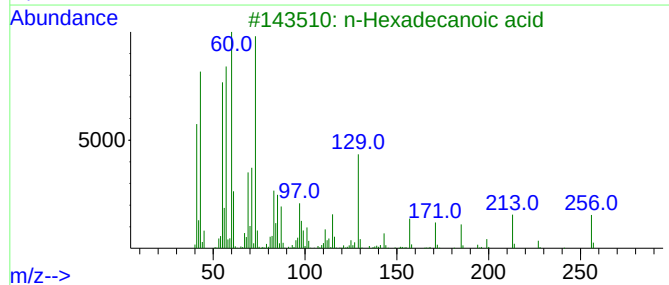
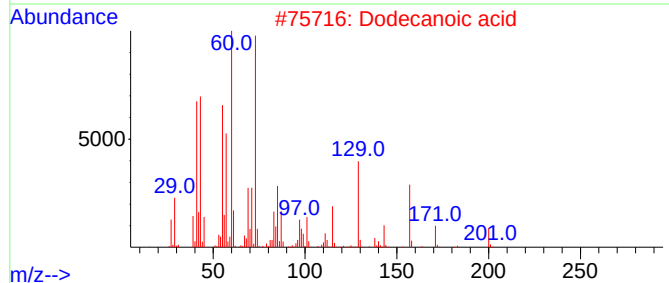
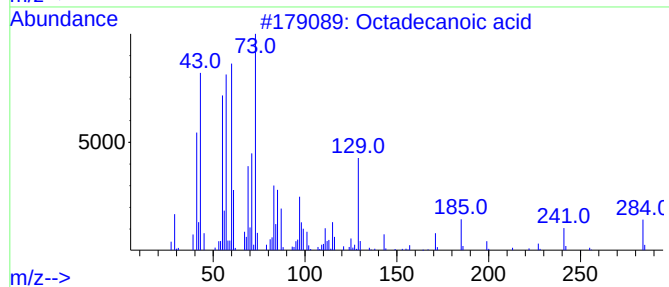
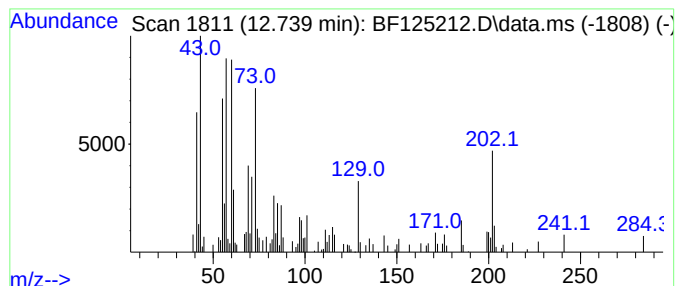
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octadecanoic acid Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.739 | 2.22 ng | 111142 | Phenanthrene-d10 | 11.433 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 86   |
| 2    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 83   |
| 3    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 68   |
| 4    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 55   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082521\  
Data File : BF125212.D  
Acq On : 25 Aug 2021 16:25  
Operator : JU/CG  
Sample : M3467-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
SAMPLE-2-(161.00)

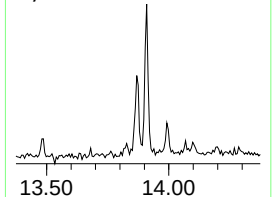
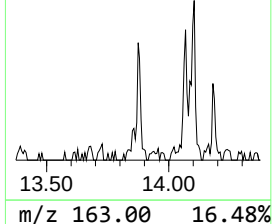
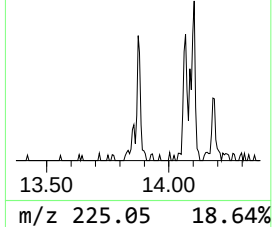
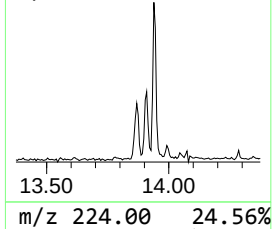
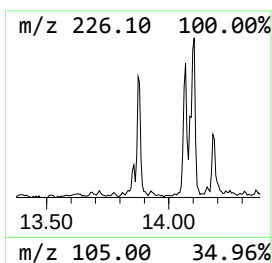
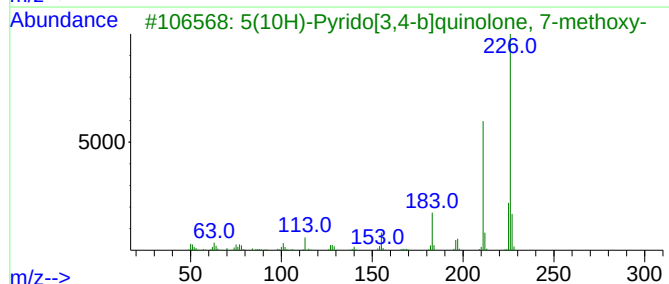
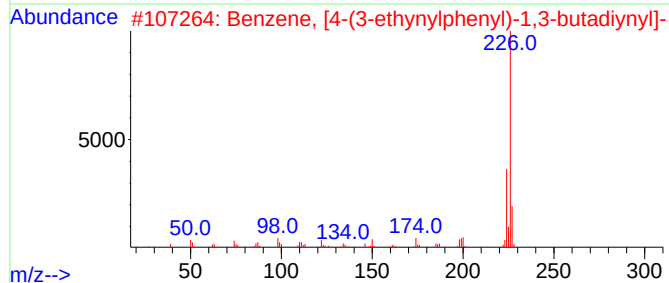
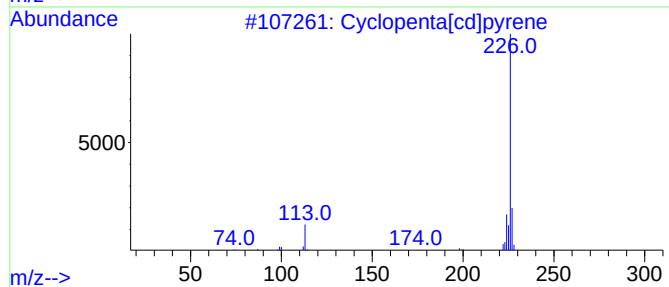
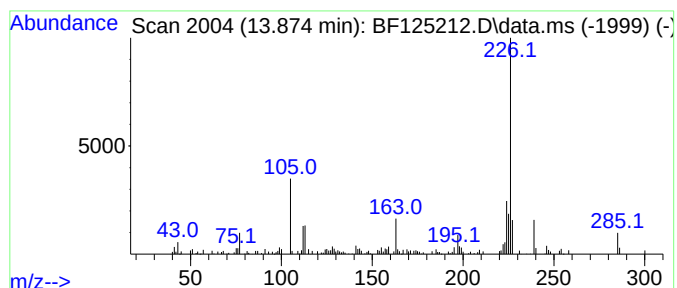
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Cyclopenta[cd]pyrene Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.874 | 3.33 ng | 236290 | Chrysene-d12     | 14.074 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Cyclopenta[cd]pyrene                | 226 | C18H10     | 027208-37-3  | 52   |
| 2    |    |   | Benzene, [4-(3-ethynylphenyl)-1,... | 226 | C18H10     | 1000115-87-3 | 49   |
| 3    |    |   | 5(10H)-Pyrido[3,4-b]quinolone, 7... | 226 | C13H10N2O2 | 1000256-99-5 | 49   |
| 4    |    |   | .beta.-Carboline, 7-methoxy-1,2-... | 226 | C14H14N2O  | 006519-18-2  | 47   |
| 5    |    |   | 4-[5-(Furan-2-yl)-1H-1,2,4-triaz... | 226 | C12H10N4O  | 1000411-19-9 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082521\  
Data File : BF125212.D  
Acq On : 25 Aug 2021 16:25  
Operator : JU/CG  
Sample : M3467-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
SAMPLE-2-(161.00)

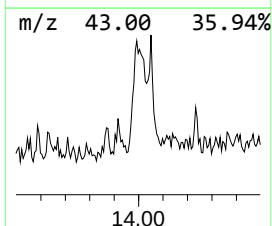
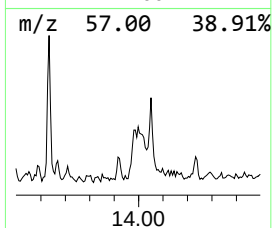
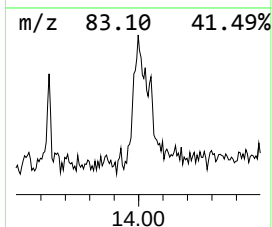
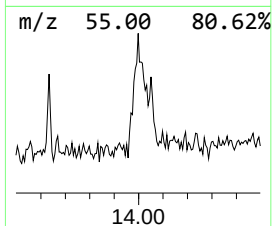
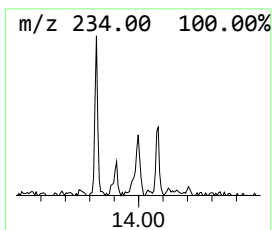
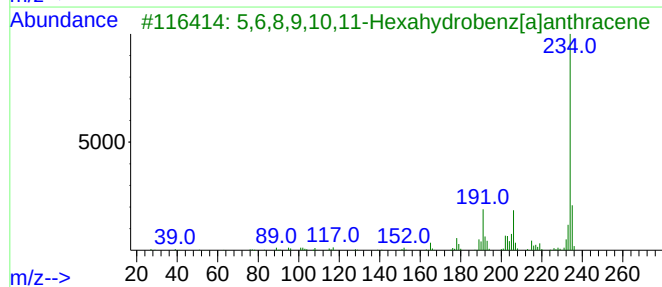
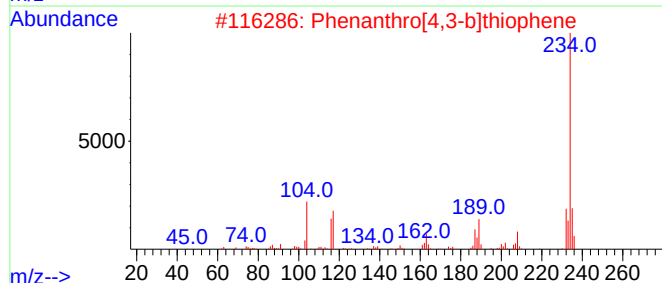
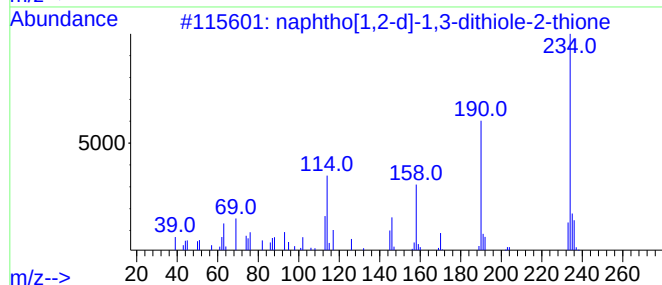
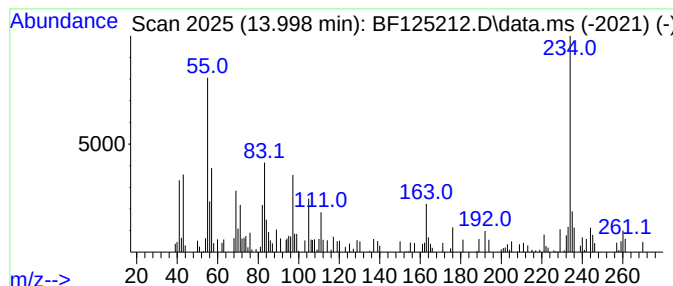
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 unknown13.998 Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.998 | 2.91 ng | 206215 | Chrysene-d12     | 14.074 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | naphtho[1,2-d]-1,3-dithiole-2-th... | 234 | C11H6S3      | 1000396-41-8 | 46      |      |      |
| 2    | Phenanthro[4,3-b]thiophene          | 234 | C16H10S      | 000195-68-6  | 43      |      |      |
| 3    | 5,6,8,9,10,11-Hexahydrobenz[a]an... | 234 | C18H18       | 067064-61-3  | 43      |      |      |
| 4    | Arctinol a                          | 234 | C12H10O5S2   | 102054-38-6  | 38      |      |      |
| 5    | Thiazol-2-amine, 4-(1-adamantyl)-   | 234 | C13H18N2S    | 019735-74-1  | 38      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082521\  
Data File : BF125212.D  
Acq On : 25 Aug 2021 16:25  
Operator : JU/CG  
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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :  
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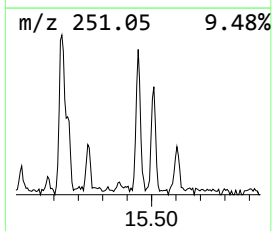
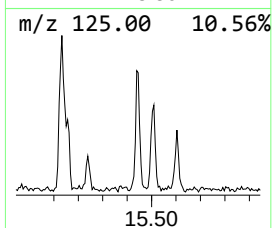
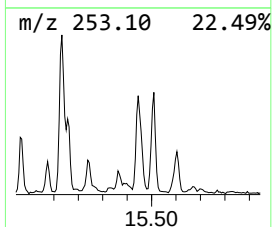
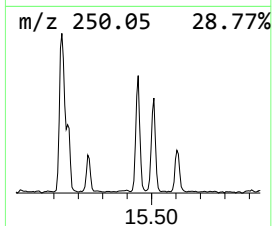
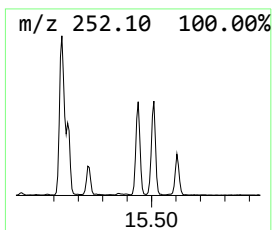
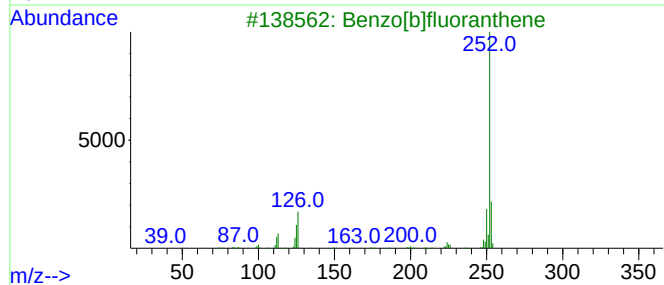
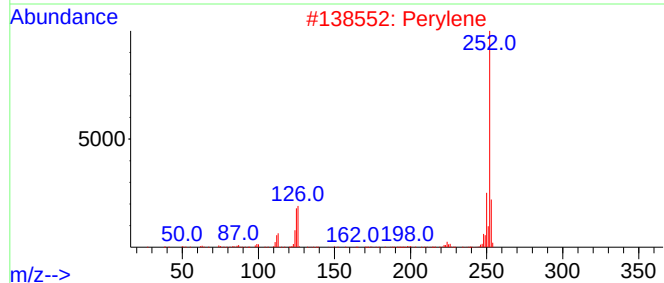
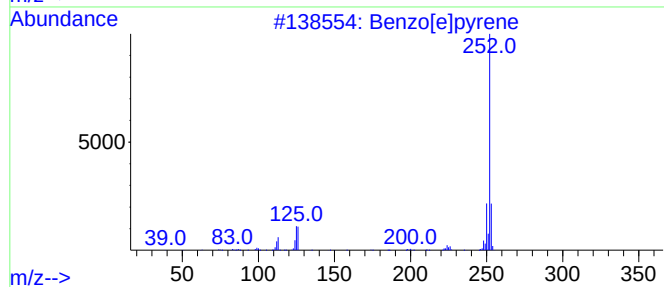
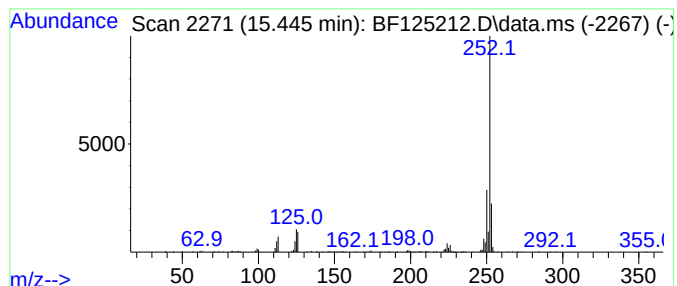
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Benzo[e]pyrene Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.445 | 8.82 ng | 455057 | Perylene-d12     | 15.574 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082521\  
Data File : BF125212.D  
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Operator : JU/CG  
Sample : M3467-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :  
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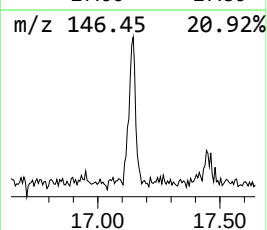
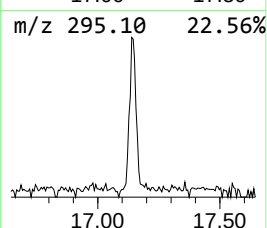
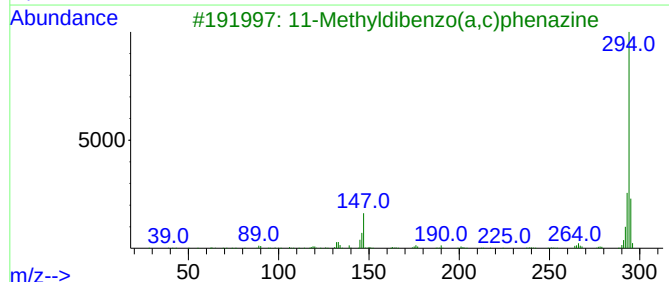
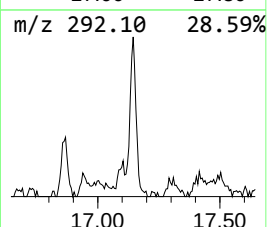
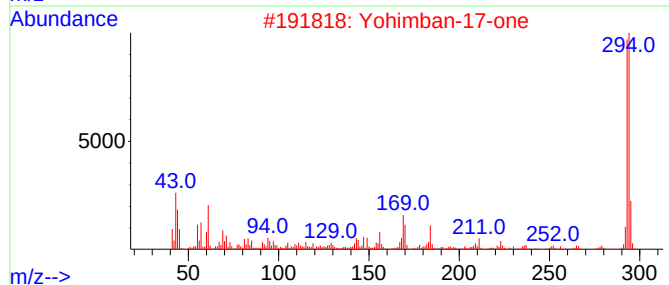
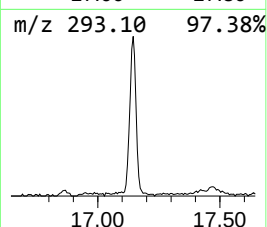
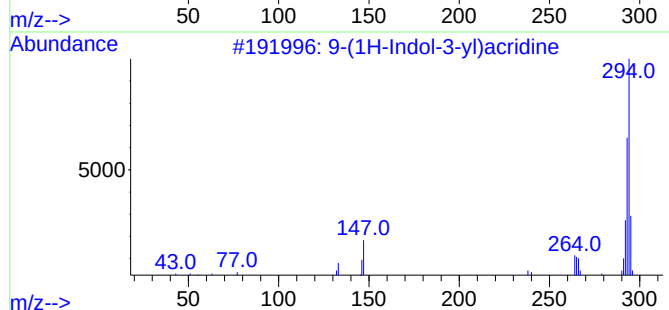
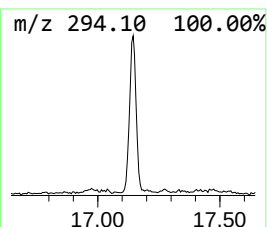
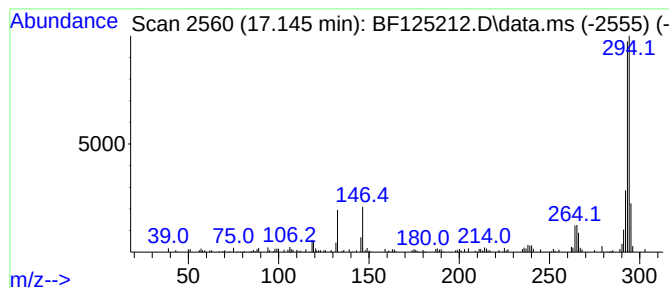
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 9-(1H-Indol-3-yl)acridine Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.145 | 5.52 ng | 284613 | Perylene-d12     | 15.574 |

| Hit# | of                             | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|--------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 9-(1H-Indol-3-yl)acridine      | 294 | C21H14N2     | 1010326-84-0 | 83      |      |      |
| 2    | Yohimban-17-one                | 294 | C19H22N2O    | 000523-14-8  | 70      |      |      |
| 3    | 11-Methyldibenzo(a,c)phenazine | 294 | C21H14N2     | 004559-60-8  | 46      |      |      |
| 4    | Vinburnine                     | 294 | C19H22N2O    | 004880-88-0  | 42      |      |      |
| 5    | 3-Methoxydifitalone            | 294 | C17H14N2O3   | 037149-76-1  | 38      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082521\  
Data File : BF125212.D  
Acq On : 25 Aug 2021 16:25  
Operator : JU/CG  
Sample : M3467-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-2-(161.00)

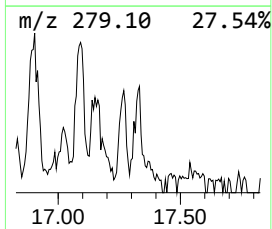
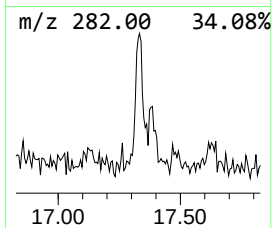
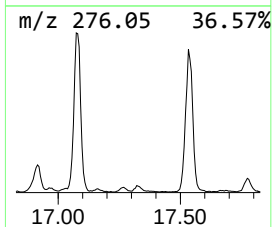
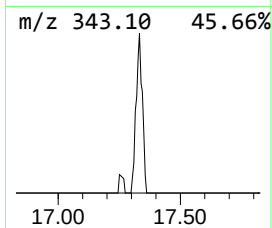
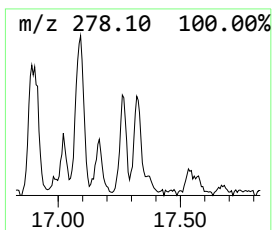
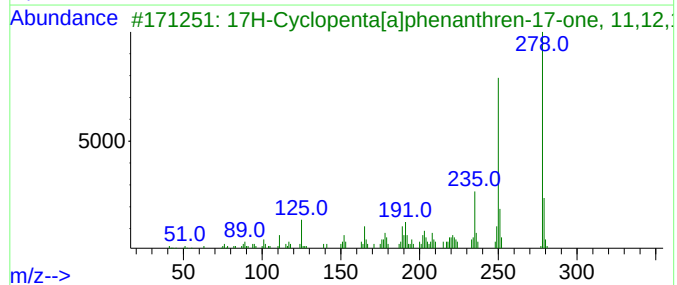
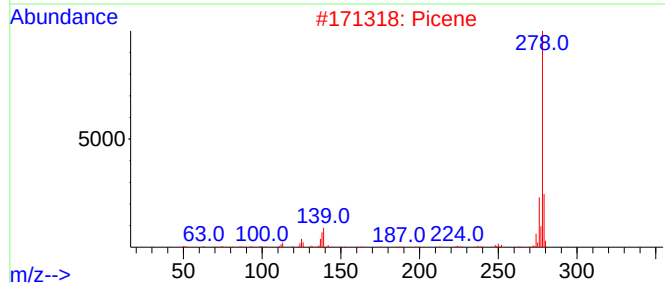
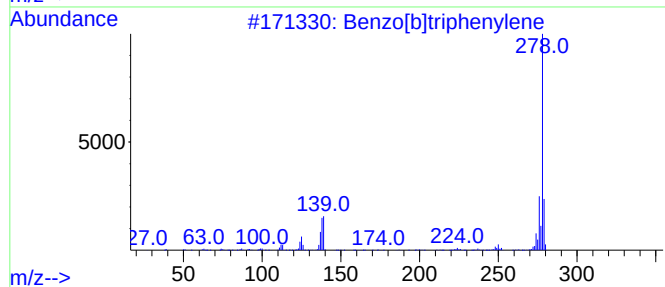
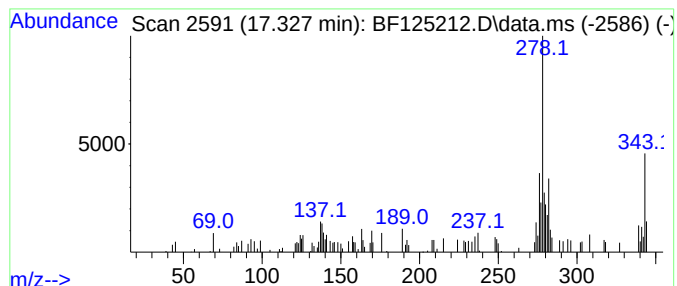
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 unknown17.327 Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.327 | 2.42 ng | 124763 | Perylene-d12     | 15.574 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Benzo[b]triphenylene                | 278 | C22H14    | 000215-58-7 | 38   |
| 2    |    |   | Picene                              | 278 | C22H14    | 000213-46-7 | 35   |
| 3    |    |   | 17H-Cyclopenta[a]phenanthren-17-... | 278 | C19H18O2  | 056614-59-6 | 30   |
| 4    |    |   | Pentacene                           | 278 | C22H14    | 000135-48-8 | 27   |
| 5    |    |   | 5-chloro-3-iodo-1H-pyrrolo[2,3-b... | 278 | C7H4ClIN2 | 900514-08-1 | 27   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082521\  
Data File : BF125212.D  
Acq On : 25 Aug 2021 16:25  
Operator : JU/CG  
Sample : M3467-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-2-(161.00)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.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 |
| Butane, 2-metho... | 2.216  | 21.7    | ng    | 871074   | 1                     | 6.910  | 803173  | 20.0 |
| 2-Pentanone, 4-... | 5.140  | 2.3     | ng    | 91104    | 1                     | 6.910  | 803173  | 20.0 |
| Ethanol, 1-(2-b... | 8.092  | 4.1     | ng    | 208474   | 2                     | 8.192  | 1009460 | 20.0 |
| Pentadecanoic acid | 11.957 | 6.9     | ng    | 344306   | 4                     | 11.433 | 1000260 | 20.0 |
| Octadecanoic acid  | 12.739 | 2.2     | ng    | 111142   | 4                     | 11.433 | 1000260 | 20.0 |
| Cyclopenta[cd]p... | 13.874 | 3.3     | ng    | 236290   | 5                     | 14.074 | 1419220 | 20.0 |
| unknown13.998      | 13.998 | 2.9     | ng    | 206215   | 5                     | 14.074 | 1419220 | 20.0 |
| Benzo[e]pyrene     | 15.445 | 8.8     | ng    | 455057   | 6                     | 15.574 | 1031740 | 20.0 |
| 9-(1H-Indol-3-y... | 17.145 | 5.5     | ng    | 284613   | 6                     | 15.574 | 1031740 | 20.0 |
| unknown17.327      | 17.327 | 2.4     | ng    | 124763   | 6                     | 15.574 | 1031740 | 20.0 |
| 2-Isopropenyl-4... | 17.445 | 4.6     | ng    | 235071   | 6                     | 15.574 | 1031740 | 20.0 |