

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
 Data File : BM032679.D  
 Acq On : 22 Oct 2021 17:20  
 Operator : CG/JU  
 Sample : M4316-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WC-2A-ID

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\_M\Methods\8270-BM100221.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM032679.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         | 5.131       | 383           | 390         | 402          | rBV      | 2981784        | 4217716       | 73.60%          | 5.352%        |
| 2         | 6.037       | 537           | 544         | 550          | rBV3     | 33173          | 58667         | 1.02%           | 0.074%        |
| 3         | 6.748       | 658           | 665         | 675          | rVB      | 2839165        | 4289147       | 74.84%          | 5.442%        |
| 4         | 7.372       | 765           | 771         | 774          | rBV3     | 34514          | 61763         | 1.08%           | 0.078%        |
| 5         | 7.542       | 794           | 800         | 810          | rVB      | 938523         | 1445361       | 25.22%          | 1.834%        |
| 6         | 7.631       | 810           | 815         | 820          | rVB5     | 46116          | 88922         | 1.55%           | 0.113%        |
| 7         | 7.748       | 831           | 835         | 839          | rVB2     | 60853          | 80060         | 1.40%           | 0.102%        |
| 8         | 7.819       | 844           | 847         | 853          | rVB5     | 57314          | 93361         | 1.63%           | 0.118%        |
| 9         | 8.107       | 892           | 896         | 904          | rVB2     | 90118          | 149910        | 2.62%           | 0.190%        |
| 10        | 8.248       | 914           | 920         | 924          | rBV3     | 28095          | 62911         | 1.10%           | 0.080%        |
| 11        | 8.372       | 935           | 941         | 945          | rBV2     | 88589          | 145880        | 2.55%           | 0.185%        |
| 12        | 8.436       | 945           | 952         | 956          | rVV4     | 45148          | 96025         | 1.68%           | 0.122%        |
| 13        | 8.536       | 965           | 969         | 977          | rBV7     | 25891          | 63799         | 1.11%           | 0.081%        |
| 14        | 8.654       | 977           | 989         | 990          | rBV7     | 88539          | 231947        | 4.05%           | 0.294%        |
| 15        | 8.695       | 990           | 996         | 1003         | rVB      | 1711611        | 2702394       | 47.15%          | 3.429%        |
| 16        | 8.878       | 1022          | 1027        | 1029         | rBV3     | 110687         | 200220        | 3.49%           | 0.254%        |
| 17        | 9.025       | 1044          | 1052        | 1057         | rVB6     | 61894          | 149344        | 2.61%           | 0.190%        |
| 18        | 9.136       | 1067          | 1071        | 1076         | rVB6     | 40194          | 71460         | 1.25%           | 0.091%        |
| 19        | 9.201       | 1078          | 1082        | 1087         | rVV      | 131600         | 208781        | 3.64%           | 0.265%        |
| 20        | 9.260       | 1087          | 1092        | 1099         | rVB3     | 211676         | 315470        | 5.50%           | 0.400%        |
| 21        | 9.325       | 1099          | 1103        | 1106         | rBV2     | 60721          | 77268         | 1.35%           | 0.098%        |
| 22        | 9.419       | 1111          | 1119        | 1122         | rBV2     | 95107          | 244499        | 4.27%           | 0.310%        |
| 23        | 9.519       | 1132          | 1136        | 1145         | rVB3     | 254209         | 503247        | 8.78%           | 0.639%        |
| 24        | 9.625       | 1151          | 1154        | 1158         | rVB3     | 60852          | 73084         | 1.28%           | 0.093%        |
| 25        | 9.666       | 1158          | 1161        | 1164         | rBV      | 43460          | 63281         | 1.10%           | 0.080%        |
| 26        | 9.848       | 1189          | 1192        | 1197         | rVB5     | 48090          | 70553         | 1.23%           | 0.090%        |
| 27        | 9.942       | 1204          | 1208        | 1218         | rVB4     | 114898         | 236526        | 4.13%           | 0.300%        |
| 28        | 10.048      | 1222          | 1226        | 1229         | rVV2     | 69283          | 98288         | 1.72%           | 0.125%        |
| 29        | 10.113      | 1229          | 1237        | 1245         | rVV2     | 470514         | 873959        | 15.25%          | 1.109%        |
| 30        | 10.207      | 1249          | 1253        | 1257         | rBV2     | 112372         | 154516        | 2.70%           | 0.196%        |
| 31        | 10.248      | 1257          | 1260        | 1263         | rVV2     | 51810          | 68502         | 1.20%           | 0.087%        |
| 32        | 10.330      | 1264          | 1274        | 1281         | rVV      | 1294512        | 2504878       | 43.71%          | 3.178%        |
| 33        | 10.413      | 1281          | 1288        | 1292         | rVV7     | 121188         | 290336        | 5.07%           | 0.368%        |
| 34        | 10.460      | 1292          | 1296        | 1301         | rVB3     | 172450         | 286062        | 4.99%           | 0.363%        |
| 35        | 10.513      | 1301          | 1305        | 1310         | rBV2     | 306435         | 485899        | 8.48%           | 0.617%        |
| 36        | 10.577      | 1310          | 1316        | 1321         | rBV8     | 77080          | 200916        | 3.51%           | 0.255%        |

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 Sample : M4316-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WC-2A-ID

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\_M\Methods\8270-BM100221.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 10.742 | 1340 | 1344 | 1348 | rBV3 | 122744  | 189124  | 3.30%   | 0.240% |
| 38 | 10.836 | 1356 | 1360 | 1364 | rBV2 | 255307  | 350739  | 6.12%   | 0.445% |
| 39 | 10.907 | 1370 | 1372 | 1376 | rBV2 | 54120   | 70128   | 1.22%   | 0.089% |
| 40 | 11.019 | 1387 | 1391 | 1400 | rVB6 | 301527  | 802962  | 14.01%  | 1.019% |
| 41 | 11.124 | 1401 | 1409 | 1413 | rBV7 | 163759  | 421434  | 7.35%   | 0.535% |
| 42 | 11.172 | 1413 | 1417 | 1421 | rBV5 | 90855   | 182367  | 3.18%   | 0.231% |
| 43 | 11.372 | 1446 | 1451 | 1456 | rBV  | 1036227 | 1785452 | 31.15%  | 2.266% |
| 44 | 11.524 | 1474 | 1477 | 1481 | rVB2 | 150733  | 196590  | 3.43%   | 0.249% |
| 45 | 11.601 | 1487 | 1490 | 1492 | rBV  | 92530   | 128311  | 2.24%   | 0.163% |
| 46 | 11.630 | 1492 | 1495 | 1499 | rVV3 | 189446  | 305056  | 5.32%   | 0.387% |
| 47 | 11.754 | 1513 | 1516 | 1518 | rBV3 | 114427  | 152366  | 2.66%   | 0.193% |
| 48 | 12.083 | 1567 | 1572 | 1579 | rBV6 | 238476  | 644347  | 11.24%  | 0.818% |
| 49 | 12.148 | 1580 | 1583 | 1586 | rBV4 | 173945  | 241678  | 4.22%   | 0.307% |
| 50 | 12.224 | 1592 | 1596 | 1599 | rBV4 | 182937  | 335915  | 5.86%   | 0.426% |
| 51 | 12.483 | 1636 | 1640 | 1648 | rVB4 | 302845  | 581195  | 10.14%  | 0.737% |
| 52 | 12.554 | 1649 | 1652 | 1656 | rBV5 | 133224  | 179374  | 3.13%   | 0.228% |
| 53 | 12.701 | 1673 | 1677 | 1680 | rBV4 | 277106  | 437618  | 7.64%   | 0.555% |
| 54 | 12.748 | 1680 | 1685 | 1689 | rVV  | 1402658 | 2051427 | 35.80%  | 2.603% |
| 55 | 12.818 | 1690 | 1697 | 1704 | rVB  | 3491647 | 5730925 | 100.00% | 7.272% |
| 56 | 12.989 | 1722 | 1726 | 1728 | rBV  | 345519  | 484437  | 8.45%   | 0.615% |
| 57 | 13.060 | 1735 | 1738 | 1741 | rBV2 | 311396  | 352201  | 6.15%   | 0.447% |
| 58 | 13.136 | 1747 | 1751 | 1755 | rVB2 | 416173  | 601334  | 10.49%  | 0.763% |
| 59 | 13.630 | 1830 | 1835 | 1839 | rVB  | 1235526 | 1742170 | 30.40%  | 2.211% |
| 60 | 13.701 | 1842 | 1847 | 1851 | rVV2 | 1885795 | 2495108 | 43.54%  | 3.166% |
| 61 | 13.918 | 1880 | 1884 | 1886 | rBV3 | 368730  | 604569  | 10.55%  | 0.767% |
| 62 | 14.042 | 1901 | 1905 | 1913 | rVB2 | 955359  | 1821837 | 31.79%  | 2.312% |
| 63 | 14.107 | 1913 | 1916 | 1921 | rBV5 | 300234  | 531725  | 9.28%   | 0.675% |
| 64 | 14.201 | 1928 | 1932 | 1942 | rVB  | 1774730 | 3093806 | 53.98%  | 3.926% |
| 65 | 14.742 | 2020 | 2024 | 2029 | rBV4 | 743947  | 1099577 | 19.19%  | 1.395% |
| 66 | 14.830 | 2034 | 2039 | 2043 | rBV  | 669258  | 1273054 | 22.21%  | 1.615% |
| 67 | 14.930 | 2053 | 2056 | 2060 | rBV3 | 317810  | 460908  | 8.04%   | 0.585% |
| 68 | 14.977 | 2061 | 2064 | 2065 | rBV2 | 316150  | 336584  | 5.87%   | 0.427% |
| 69 | 15.248 | 2107 | 2110 | 2113 | rVB3 | 321317  | 381844  | 6.66%   | 0.485% |
| 70 | 15.371 | 2128 | 2131 | 2135 | rVB2 | 545294  | 737290  | 12.87%  | 0.936% |
| 71 | 15.471 | 2144 | 2148 | 2155 | rVB2 | 1518312 | 2507287 | 43.75%  | 3.181% |
| 72 | 15.695 | 2181 | 2186 | 2193 | rVB2 | 2552207 | 3976297 | 69.38%  | 5.045% |
| 73 | 15.854 | 2210 | 2213 | 2214 | rBV  | 251198  | 276271  | 4.82%   | 0.351% |
| 74 | 15.954 | 2223 | 2230 | 2240 | rVB2 | 2385856 | 4107947 | 71.68%  | 5.213% |
| 75 | 16.306 | 2286 | 2290 | 2296 | rBV4 | 657142  | 1233489 | 21.52%  | 1.565% |
| 76 | 16.454 | 2312 | 2315 | 2318 | rBV4 | 245370  | 381540  | 6.66%   | 0.484% |

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Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

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\_M\Methods\8270-BM100221.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 77 | 16.765 | 2363 | 2368 | 2376 | rVB  | 1368596 | 2370440 | 41.36% | 3.008% |
| 78 | 16.936 | 2393 | 2397 | 2407 | rBV  | 1618641 | 2378666 | 41.51% | 3.018% |
| 79 | 18.736 | 2699 | 2703 | 2707 | rVB2 | 172536  | 236180  | 4.12%  | 0.300% |
| 80 | 19.559 | 2838 | 2843 | 2855 | rVB  | 4031140 | 5140148 | 89.69% | 6.522% |
| 81 | 20.824 | 3054 | 3058 | 3062 | rBV  | 272036  | 315241  | 5.50%  | 0.400% |
| 82 | 21.112 | 3102 | 3107 | 3115 | rBV  | 1671972 | 2039927 | 35.60% | 2.588% |
| 83 | 23.247 | 3465 | 3470 | 3481 | rVB2 | 1177706 | 2077471 | 36.25% | 2.636% |

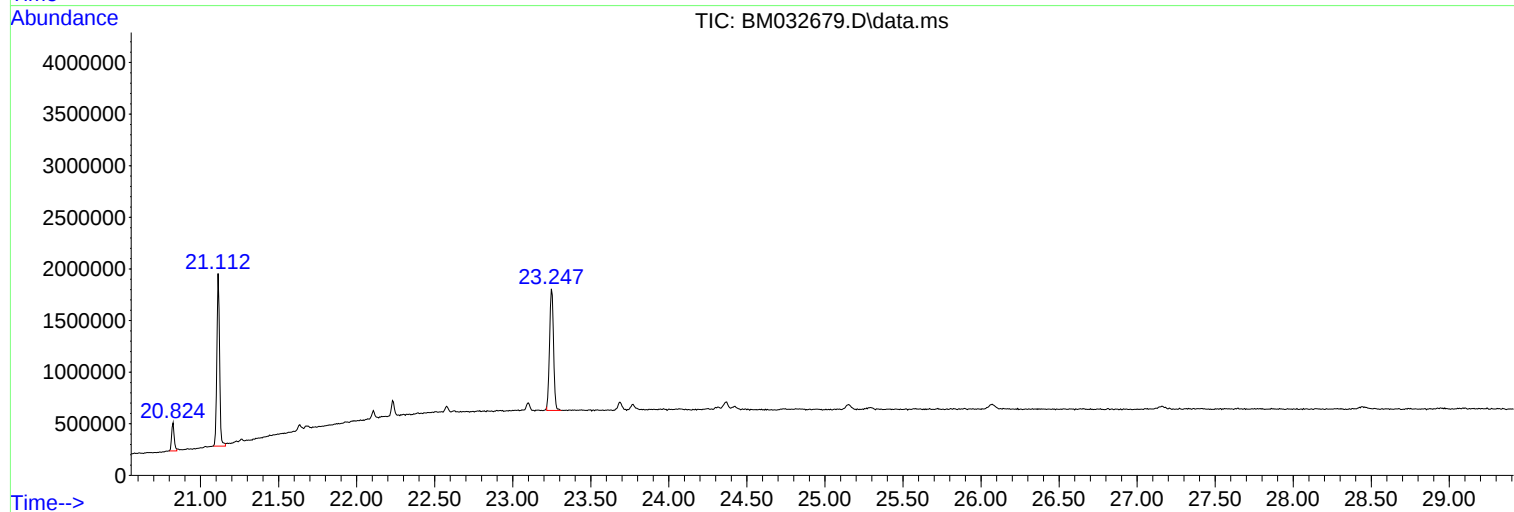
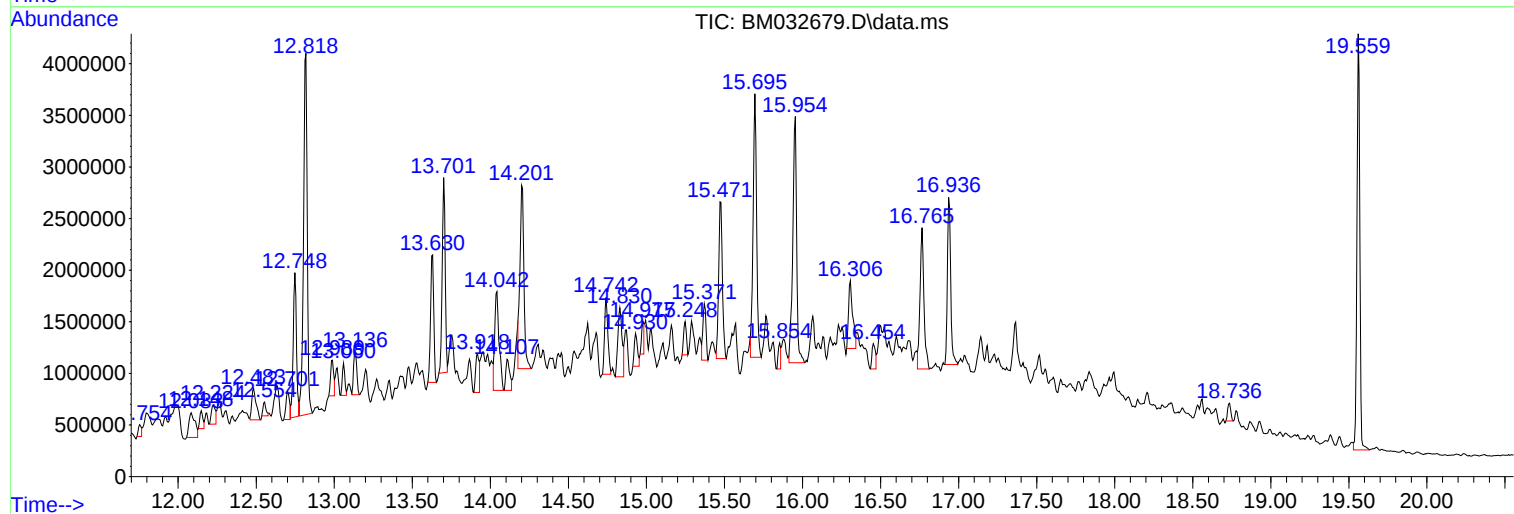
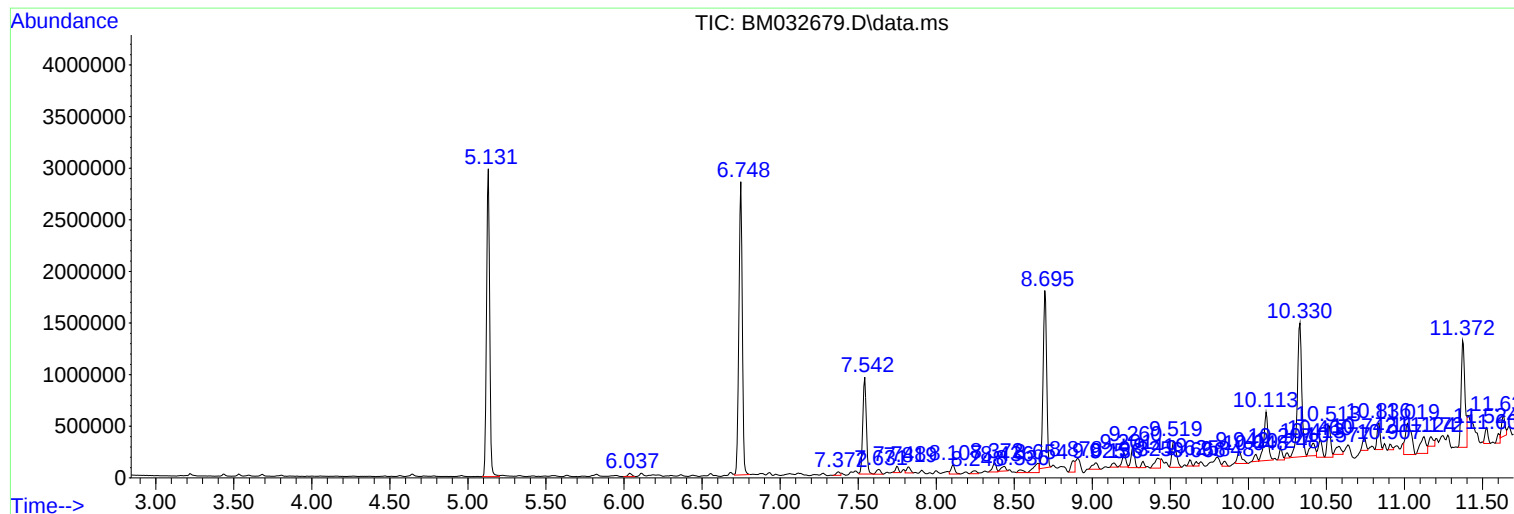
Sum of corrected areas: 78809308

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.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\_M\Data\BM102221\  
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Sample : M4316-04  
Misc :  
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Instrument :  
BNA\_M  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

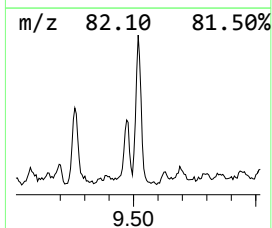
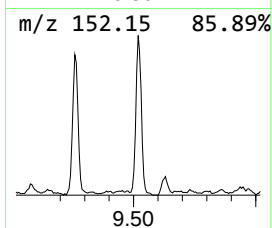
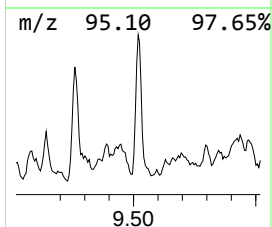
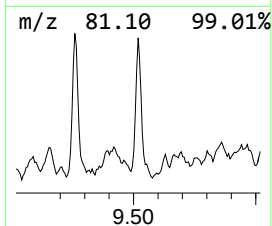
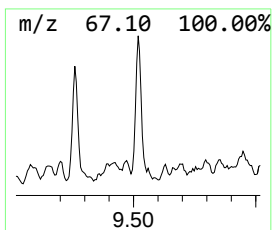
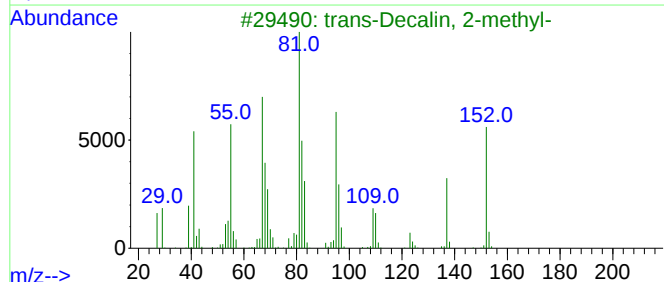
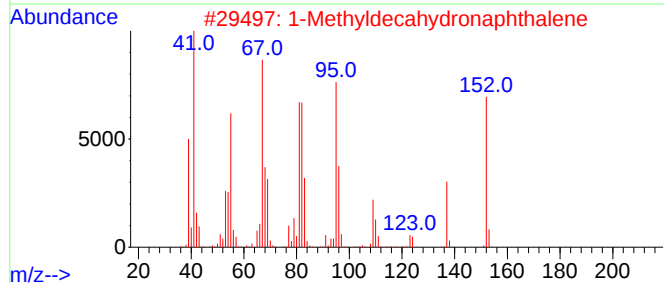
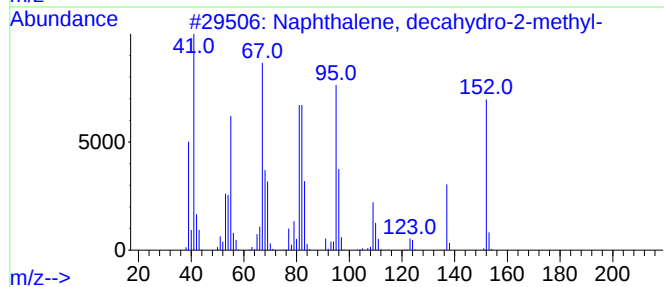
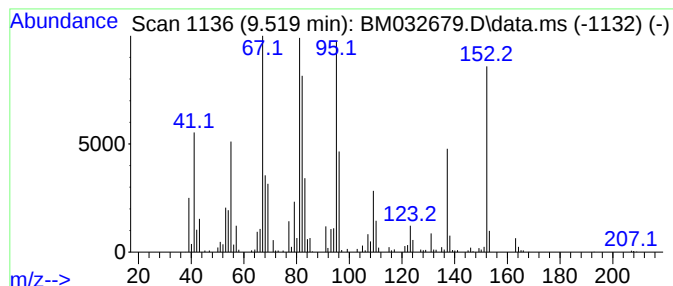
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Naphthalene, decahydro-2-me... Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.   |
|-------|---------|--------|------------------|--------|
| 9.519 | 4.02 ng | 503247 | Naphthalene-d8   | 10.330 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|------|-------------------------------------|-----|---------|--------------|------|
| 1    |      | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 98   |
| 2    |      | 1-Methyldecahydronaphthalene        | 152 | C11H20  | 002958-75-0  | 98   |
| 3    |      | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 87   |
| 4    |      | 4,5-Nonadiene, 2-methyl-            | 138 | C10H18  | 055956-32-6  | 64   |
| 5    |      | trans-4a-Methyl-decahydronaphtha... | 152 | C11H20  | 002547-27-5  | 64   |



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ClientSampleId :  
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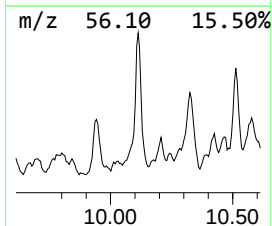
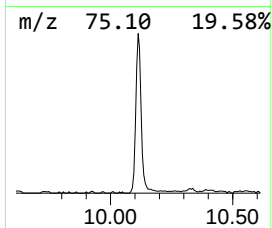
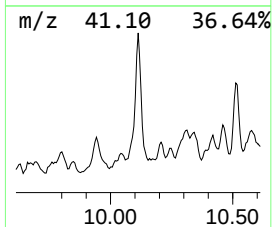
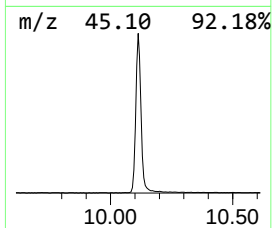
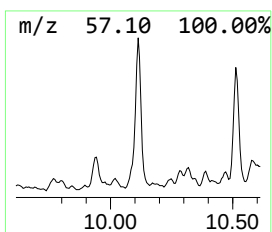
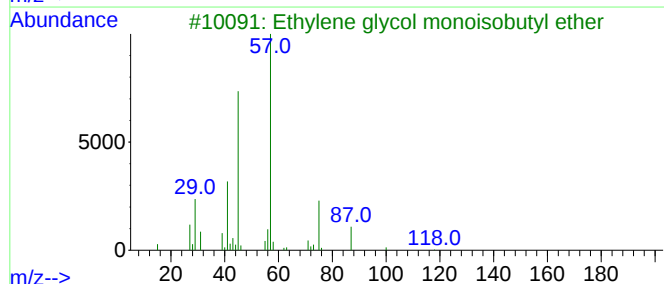
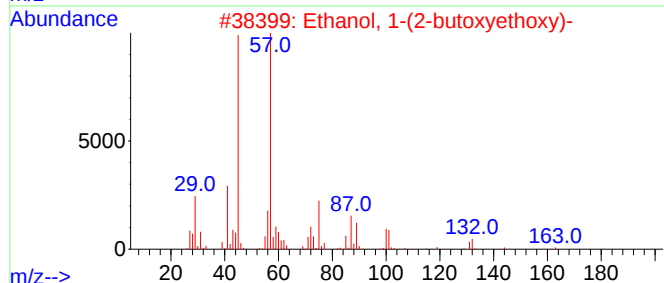
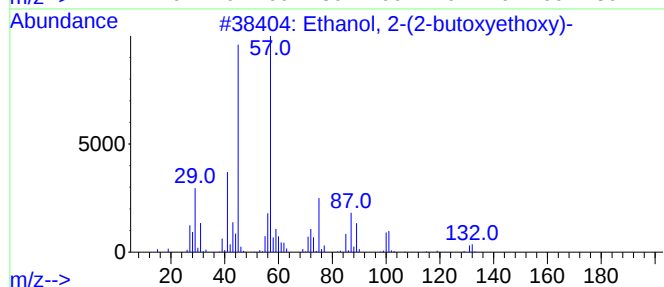
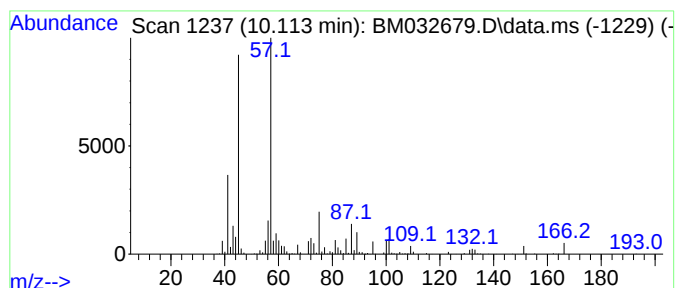
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 12

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 10.113    | 6.98 ng                             | 873959 | Naphthalene-d8   | 10.330      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Ethanol, 2-(2-butoxyethoxy)-        | 162    | C8H18O3          | 000112-34-5 | 87   |
| 2         | Ethanol, 1-(2-butoxyethoxy)-        | 162    | C8H18O3          | 054446-78-5 | 78   |
| 3         | Ethylene glycol monoisobutyl ether  | 118    | C6H14O2          | 004439-24-1 | 59   |
| 4         | (S)-Methyl 2,3-dihydroxypropanoa... | 134    | C5H10O4          | 354578-58-8 | 52   |
| 5         | 3,3-Dimethylbutane-2-ol             | 102    | C6H14O           | 000464-07-3 | 52   |



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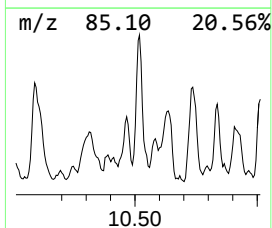
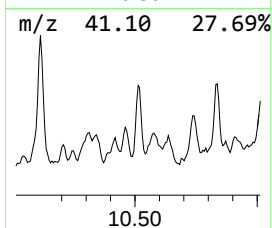
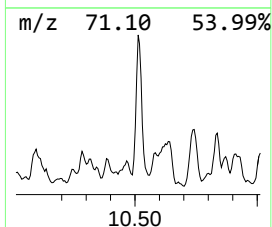
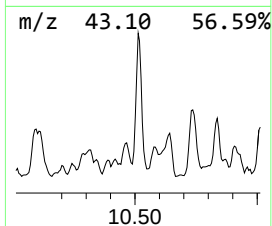
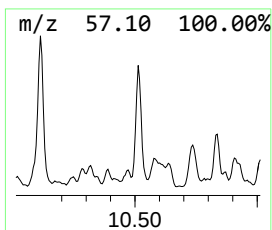
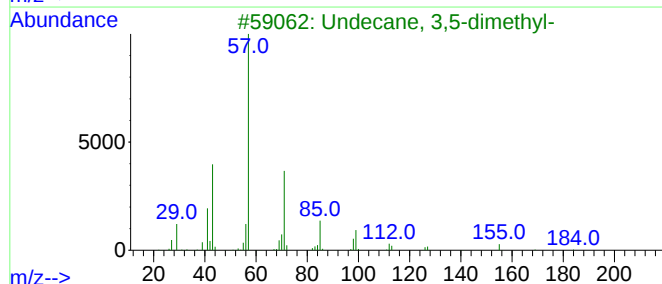
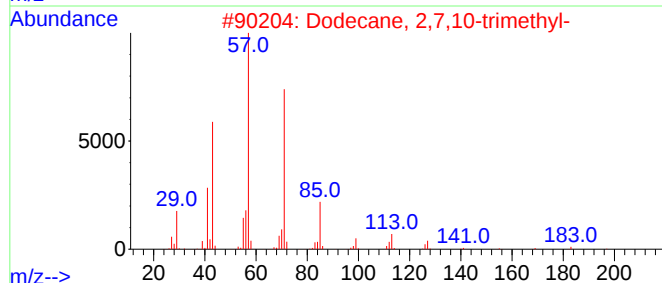
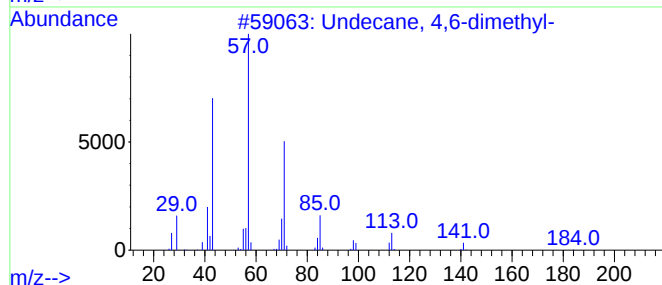
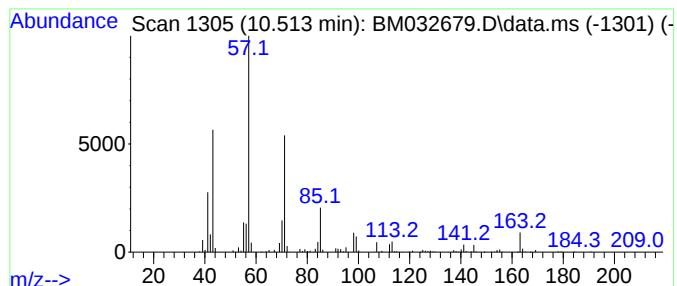
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Undecane, 4,6-dimethyl- Concentration Rank 19

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 10.513 | 3.88 ng | 485899 | Naphthalene-d8   | 10.330 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 4,6-dimethyl-      | 184 | C13H28  | 017312-82-2 | 81   |
| 2    |    |   | Dodecane, 2,7,10-trimethyl-  | 212 | C15H32  | 074645-98-0 | 72   |
| 3    |    |   | Undecane, 3,5-dimethyl-      | 184 | C13H28  | 017312-81-1 | 68   |
| 4    |    |   | Octane, 3,5-dimethyl-        | 142 | C10H22  | 015869-93-9 | 64   |
| 5    |    |   | Decane, 2,3,5,8-tetramethyl- | 198 | C14H30  | 192823-15-7 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

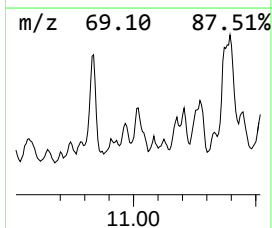
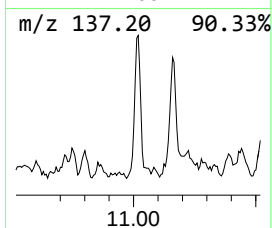
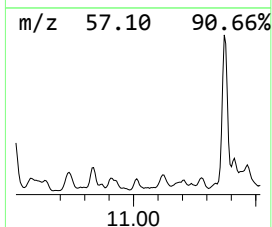
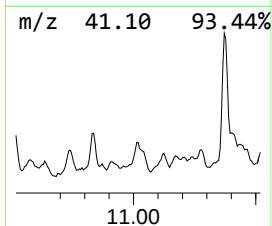
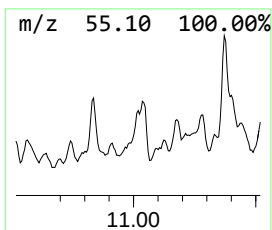
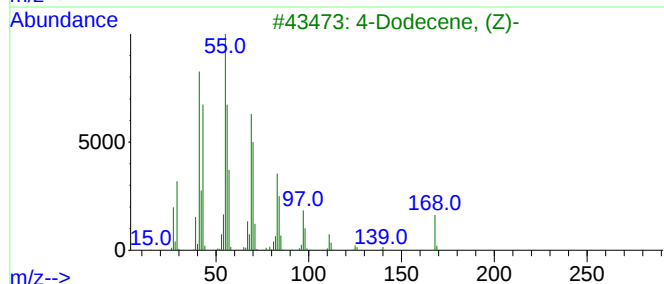
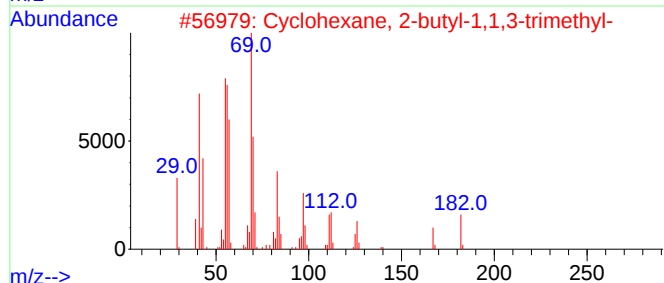
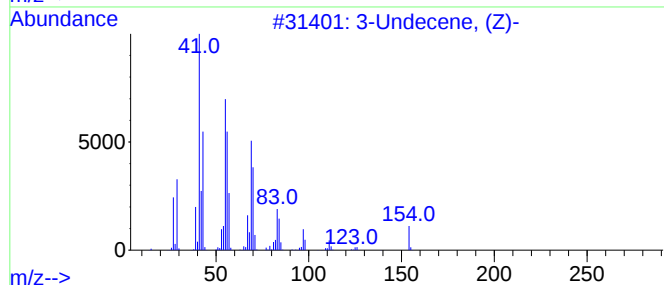
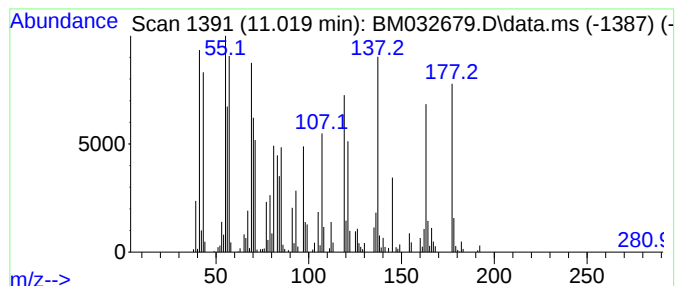
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown11.019 Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.019 | 6.41 ng | 802962 | Naphthalene-d8   | 10.330 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 3-Undecene, (Z)-                    | 154 | C11H22     | 000821-97-6 | 25   |
| 2    |    |   | Cyclohexane, 2-butyl-1,1,3-trime... | 182 | C13H26     | 054676-39-0 | 25   |
| 3    |    |   | 4-Dodecene, (Z)-                    | 168 | C12H24     | 007206-27-1 | 25   |
| 4    |    |   | 1-Tridecene                         | 182 | C13H26     | 002437-56-1 | 18   |
| 5    |    |   | Decyl trifluoroacetate              | 254 | C12H21F3O2 | 000333-88-0 | 18   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

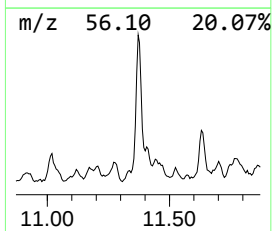
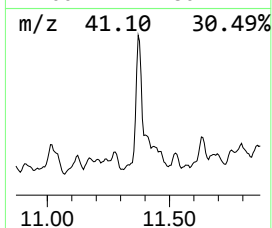
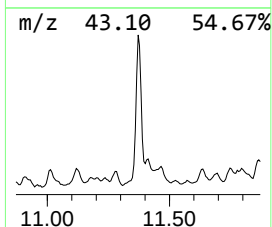
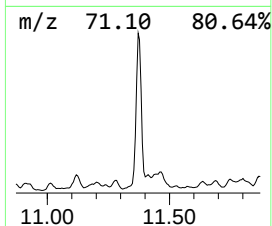
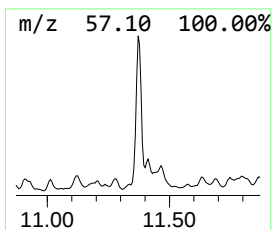
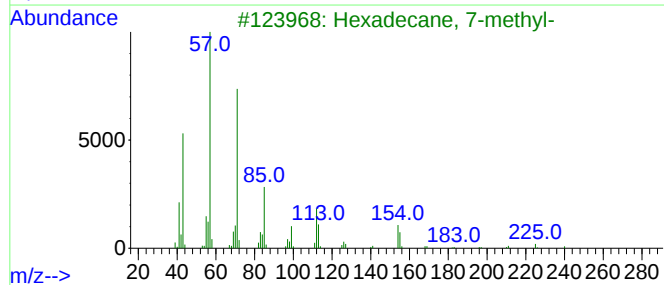
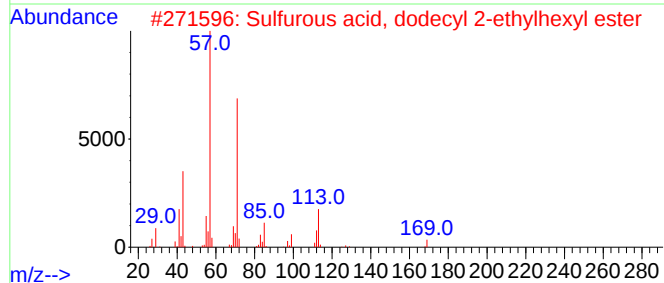
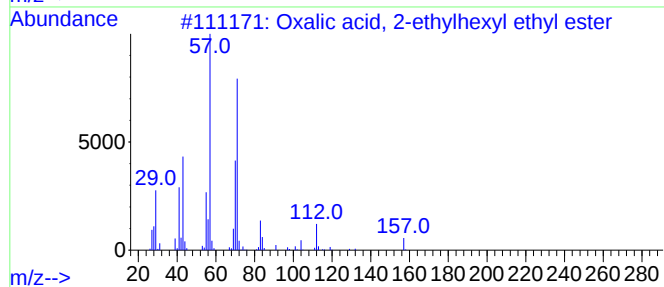
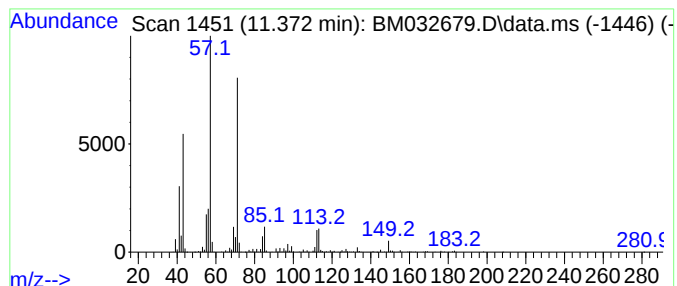
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Oxalic acid, 2-ethylhexyl e... Concentration Rank 5

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.371 | 14.26 ng | 1785450 | Naphthalene-d8   | 10.330 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Oxalic acid, 2-ethylhexyl ethyl ... | 230 | C12H22O4  | 1000309-38-4 | 64   |
| 2    |    |   | Sulfurous acid, dodecyl 2-ethylh... | 362 | C20H42O3S | 1000309-19-5 | 64   |
| 3    |    |   | Hexadecane, 7-methyl-               | 240 | C17H36    | 026730-20-1  | 64   |
| 4    |    |   | Oxalic acid, butyl 2-ethylhexyl ... | 258 | C14H26O4  | 1000309-38-6 | 64   |
| 5    |    |   | Heptane, 5-ethyl-2-methyl-          | 142 | C10H22    | 013475-78-0  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

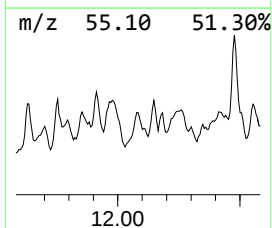
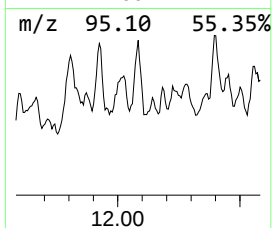
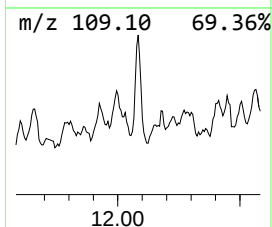
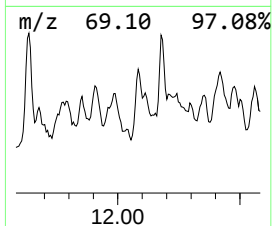
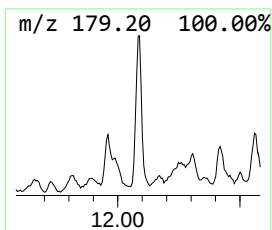
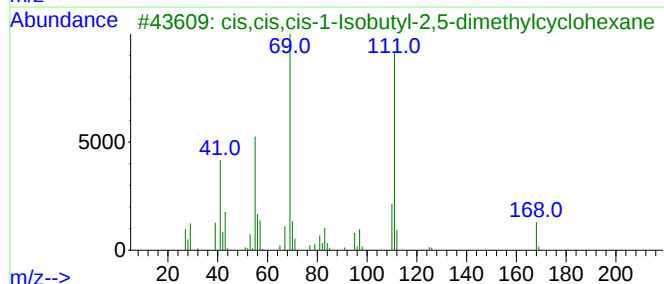
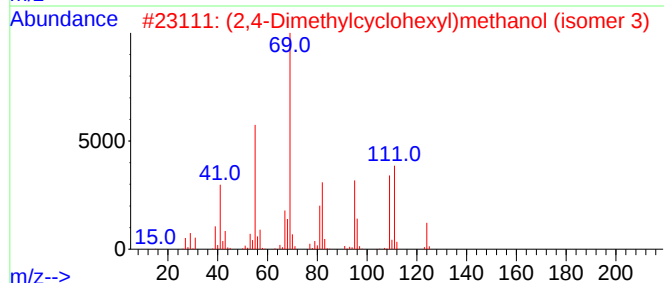
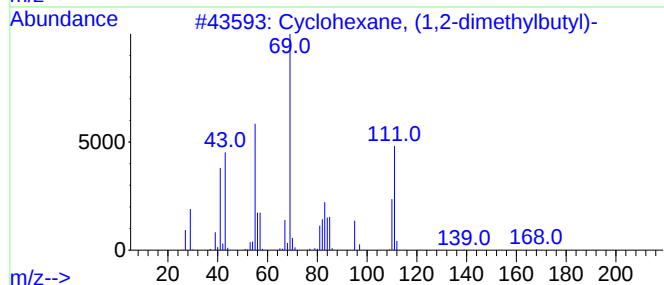
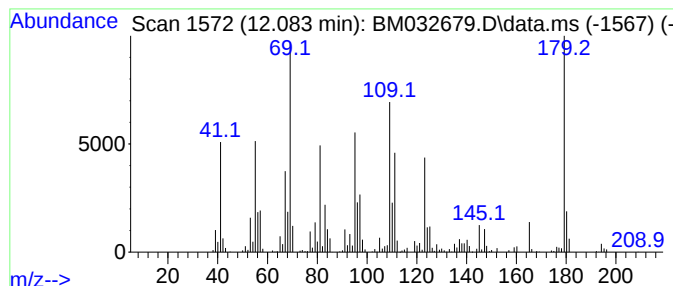
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown12.083 Concentration Rank 14

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.083 | 5.14 ng | 644347 | Naphthalene-d8   | 10.330 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Cyclohexane, (1,2-dimethylbutyl)-   | 168 | C12H24  | 061142-37-8  | 38   |
| 2    |    |   | (2,4-Dimethylcyclohexyl)methanol... | 142 | C9H18O  | 1000499-02-8 | 35   |
| 3    |    |   | cis,cis,cis-1-Isobutyl-2,5-dimet... | 168 | C12H24  | 1000113-60-0 | 22   |
| 4    |    |   | Cyclooctane, ethyl-                 | 140 | C10H20  | 013152-02-8  | 18   |
| 5    |    |   | Cyclohexane, 2-ethyl-1,3-dimethyl-  | 140 | C10H20  | 007045-67-2  | 18   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

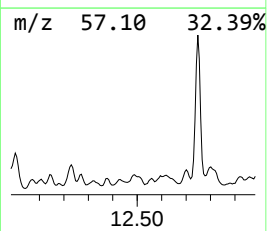
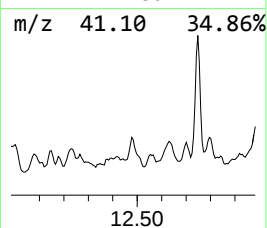
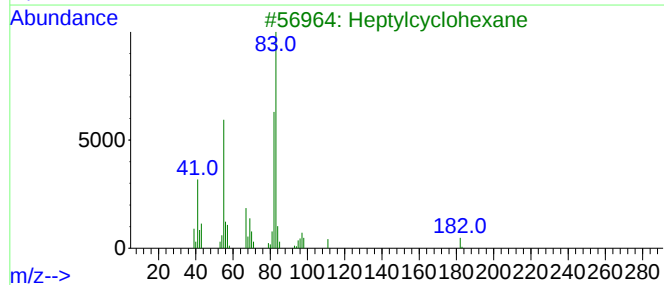
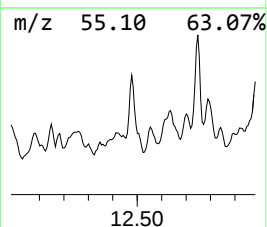
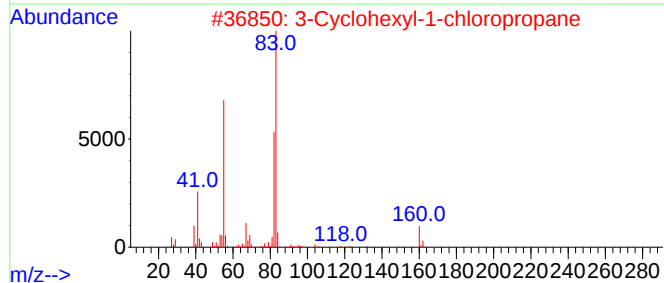
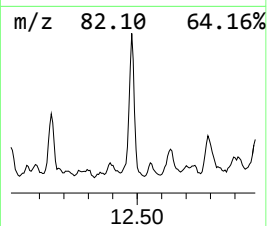
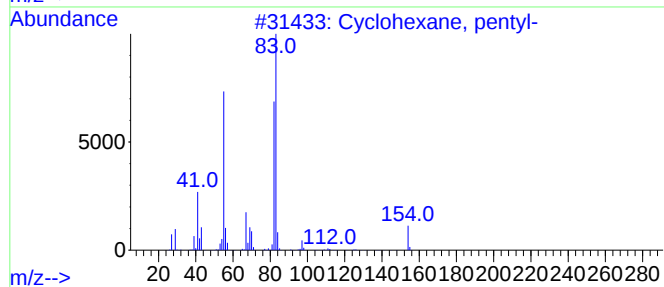
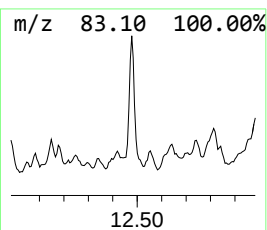
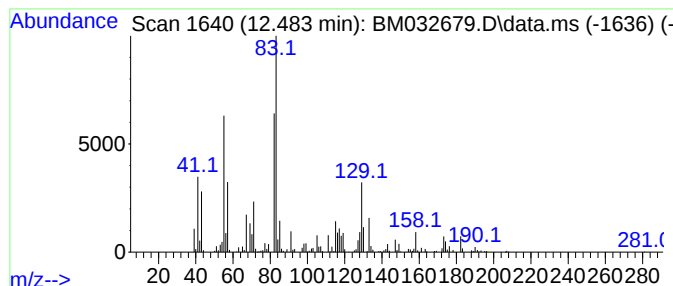
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 unknown12.483 Concentration Rank 20

| R.T.      | EstConc                      | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|------------------------------|--------|------------------|---------|-------------|------|
| 12.483    | 3.76 ng                      | 581195 | Acenaphthene-d10 |         | 14.201      |      |
| Hit# of 5 | Tentative ID                 |        | MW               | MolForm | CAS#        | Qual |
| 1         | Cyclohexane, pentyl-         |        | 154              | C11H22  | 004292-92-6 | 49   |
| 2         | 3-Cyclohexyl-1-chloropropane |        | 160              | C9H17Cl | 001124-62-5 | 43   |
| 3         | Heptylcyclohexane            |        | 182              | C13H26  | 005617-41-4 | 43   |
| 4         | Cyclohexane, propyl-         |        | 126              | C9H18   | 001678-92-8 | 43   |
| 5         | Cyclohexane, octyl-          |        | 196              | C14H28  | 001795-15-9 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
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Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

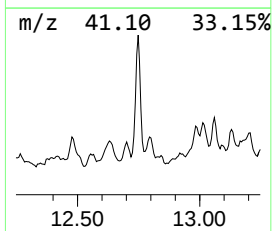
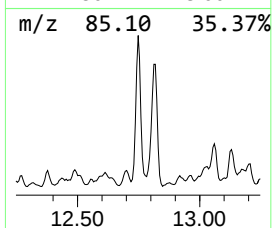
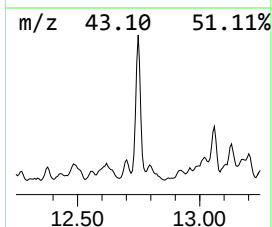
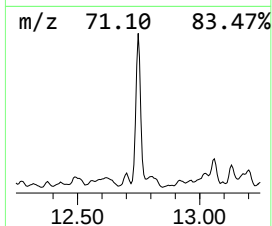
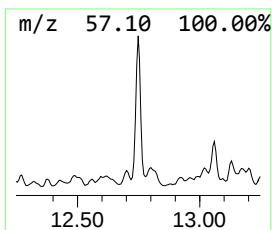
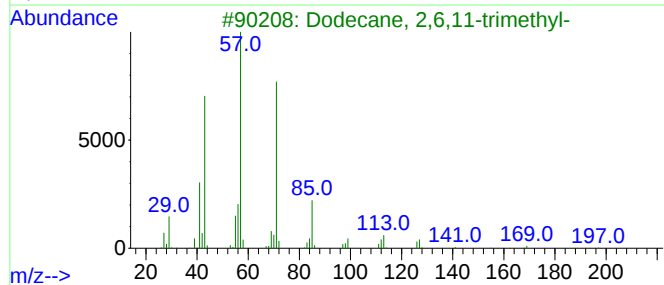
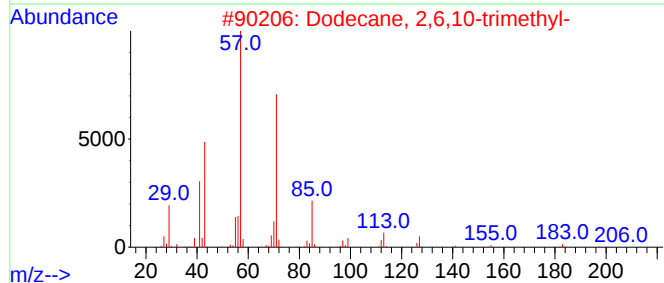
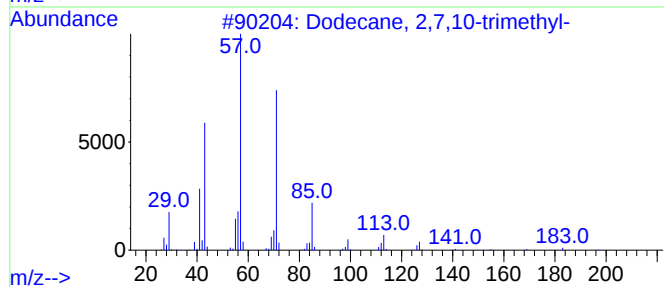
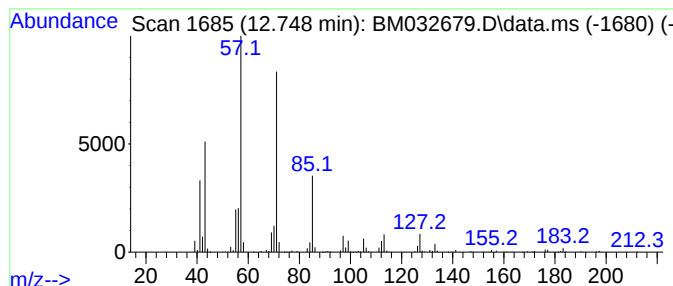
Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Dodecane, 2,7,10-trimethyl- Concentration Rank 6

| R.T.      | EstConc                            | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|------------------------------------|---------|------------------|---------|-------------|------|
| 12.748    | 13.26 ng                           | 2051430 | Acenaphthene-d10 |         | 14.201      |      |
| Hit# of 5 | Tentative ID                       |         | MW               | MolForm | CAS#        | Qual |
| 1         | Dodecane, 2,7,10-trimethyl-        |         | 212              | C15H32  | 074645-98-0 | 91   |
| 2         | Dodecane, 2,6,10-trimethyl-        |         | 212              | C15H32  | 003891-98-3 | 90   |
| 3         | Dodecane, 2,6,11-trimethyl-        |         | 212              | C15H32  | 031295-56-4 | 90   |
| 4         | Hexadecane, 2,6,10,14-tetramethyl- |         | 282              | C20H42  | 000638-36-8 | 83   |
| 5         | Octane, 2,6-dimethyl-              |         | 142              | C10H22  | 002051-30-1 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleID :  
WC-2A-ID

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

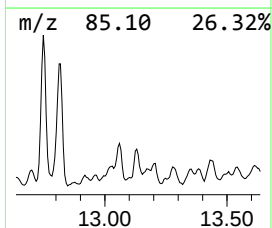
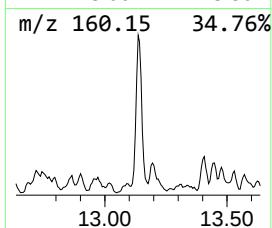
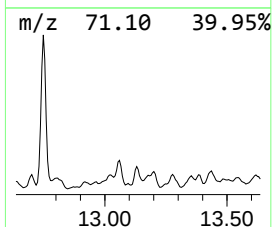
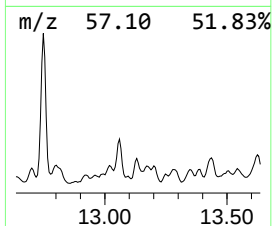
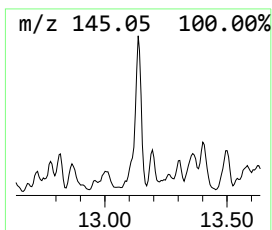
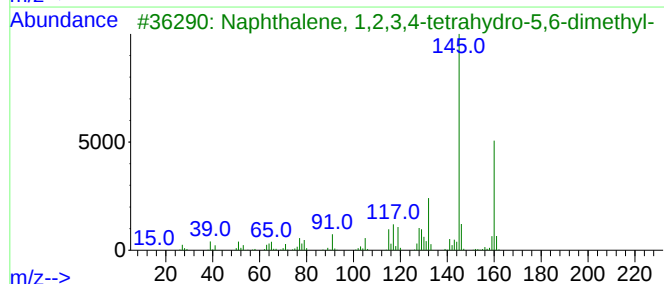
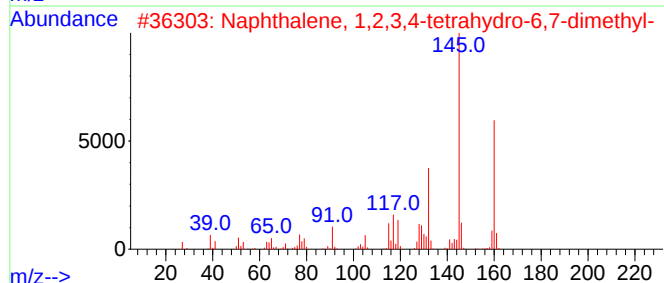
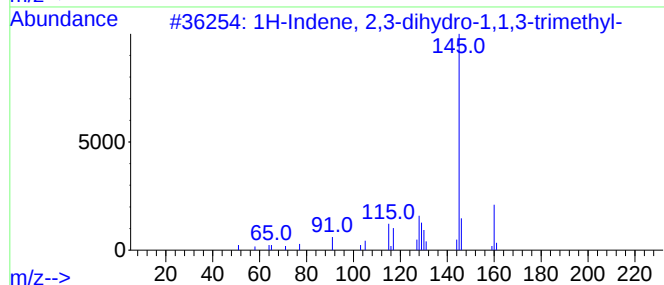
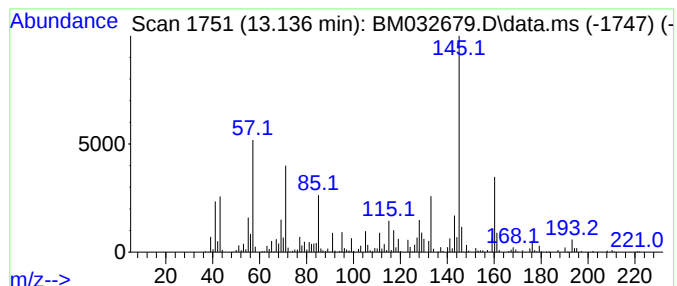
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 18

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.136 | 3.89 ng | 601334 | Acenaphthene-d10 | 14.201 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16  | 002613-76-5 | 90   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 001076-61-5 | 60   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 020027-77-4 | 55   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 021693-54-9 | 53   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 025419-33-4 | 49   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

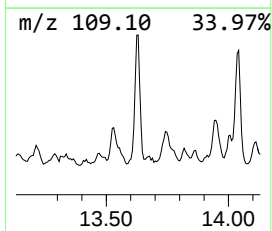
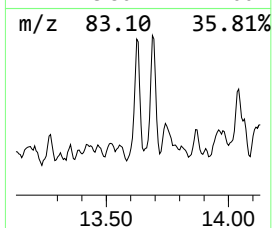
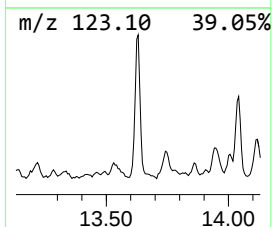
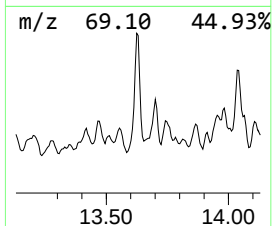
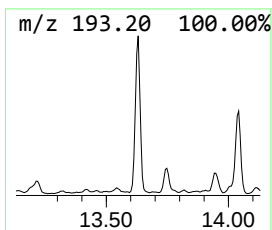
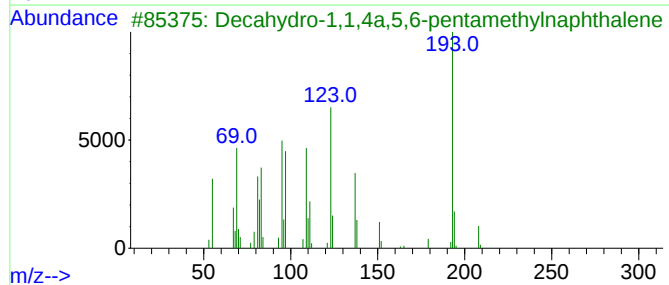
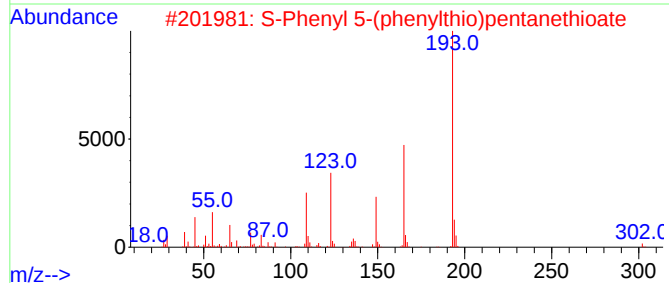
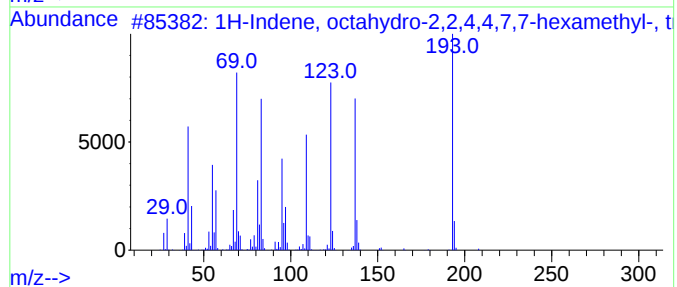
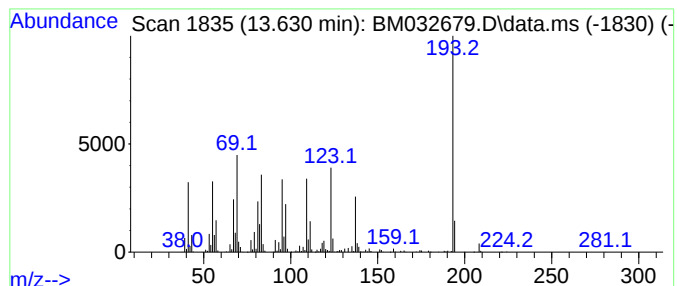
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 unknown13.630 Concentration Rank 8

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.630 | 11.26 ng | 1742170 | Acenaphthene-d10 | 14.201 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 1H-Indene, octahydro-2,2,4,4,7,7... | 208 | C15H28       | 054832-83-6  | 40      |      |      |
| 2    | S-Phenyl 5-(phenylthio)pentaneth... | 302 | C17H18OS2    | 1000234-40-7 | 38      |      |      |
| 3    | Decahydro-1,1,4a,5,6-pentamethyl... | 208 | C15H28       | 080655-44-3  | 37      |      |      |
| 4    | 2-Pentanone, 4-cyclohexylidene-3... | 222 | C15H26O      | 313253-65-5  | 37      |      |      |
| 5    | Butan-2-one, 1-[3-(3,3-dimethyl-... | 278 | C16H26N2O2   | 1000303-34-2 | 35      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

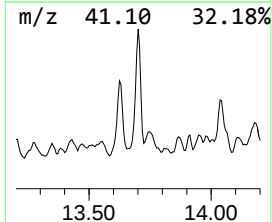
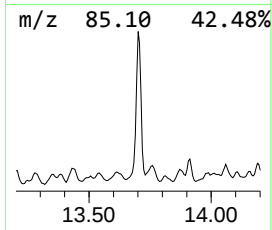
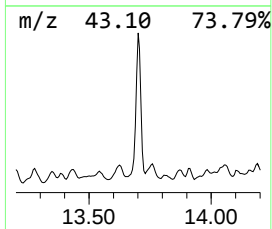
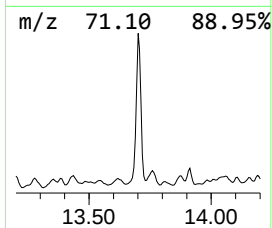
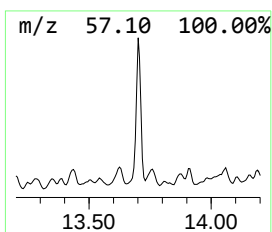
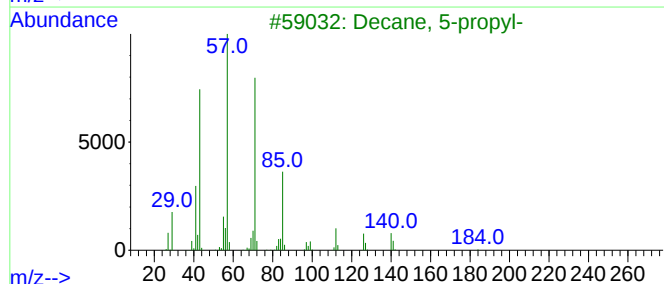
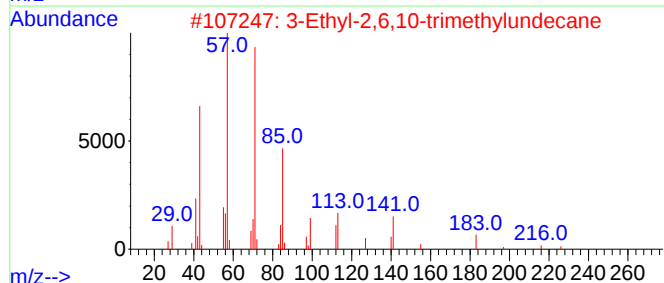
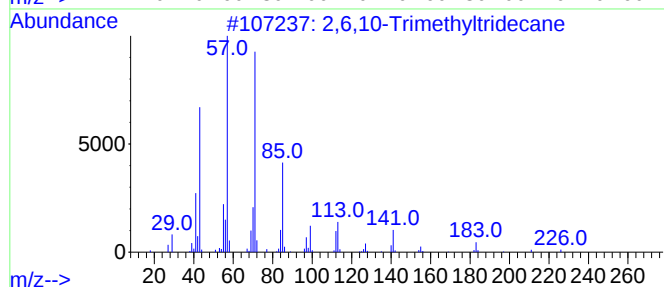
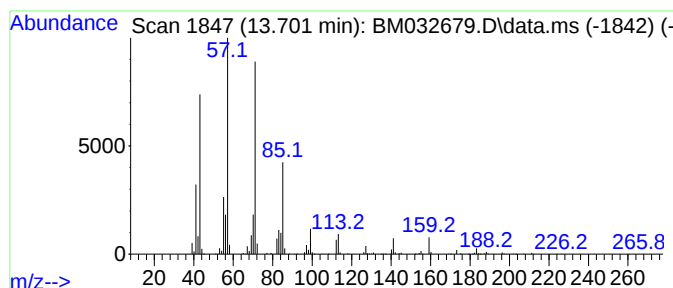
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 2,6,10-Trimethyltridecane Concentration Rank 4

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.701 | 16.13 ng | 2495110 | Acenaphthene-d10 | 14.201 |

| Hit# | of 5                                | Tentative ID | MW     | MolForm      | CAS# | Qual |
|------|-------------------------------------|--------------|--------|--------------|------|------|
| 1    | 2,6,10-Trimethyltridecane           | 226          | C16H34 | 003891-99-4  | 95   |      |
| 2    | 3-Ethyl-2,6,10-trimethylundecane    | 226          | C16H34 | 1000432-25-9 | 93   |      |
| 3    | Decane, 5-propyl-                   | 184          | C13H28 | 017312-62-8  | 90   |      |
| 4    | Dodecane                            | 170          | C12H26 | 000112-40-3  | 87   |      |
| 5    | Heptadecane, 2,6,10,15-tetramethyl- | 296          | C21H44 | 054833-48-6  | 86   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

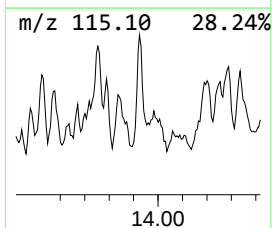
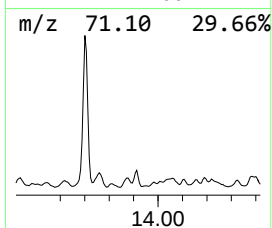
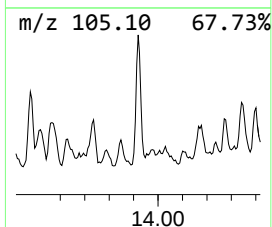
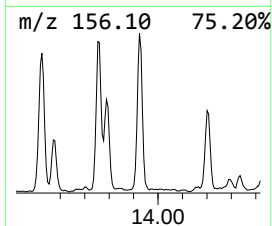
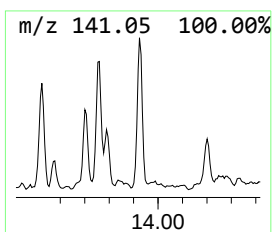
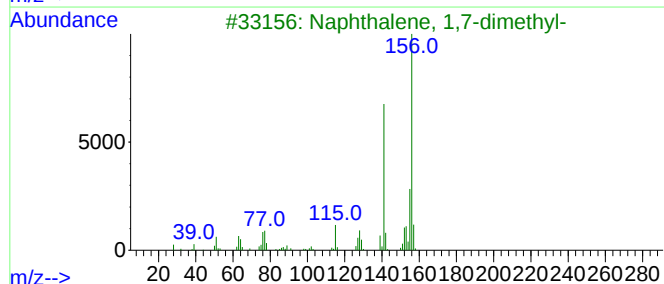
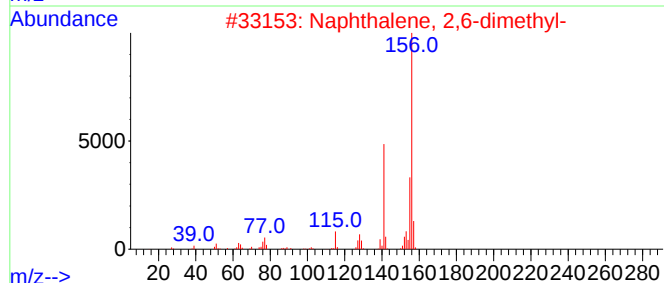
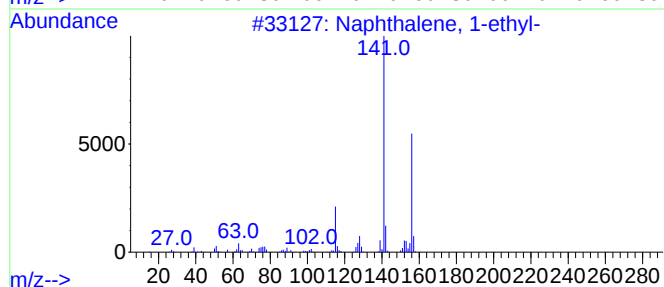
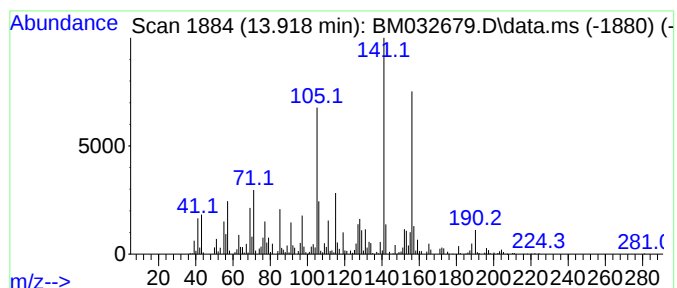
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Naphthalene, 1-ethyl- Concentration Rank 17

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 13.918    | 3.91 ng                    | 604569 | Acenaphthene-d10 | 14.201      |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 1-ethyl-      | 156    | C12H12           | 001127-76-0 | 94   |
| 2         | Naphthalene, 2,6-dimethyl- | 156    | C12H12           | 000581-42-0 | 89   |
| 3         | Naphthalene, 1,7-dimethyl- | 156    | C12H12           | 000575-37-1 | 86   |
| 4         | Naphthalene, 1,5-dimethyl- | 156    | C12H12           | 000571-61-9 | 86   |
| 5         | Naphthalene, 1,6-dimethyl- | 156    | C12H12           | 000575-43-9 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
WC-2A-ID

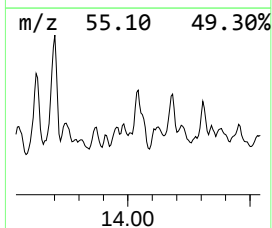
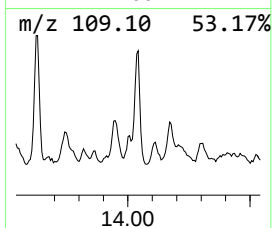
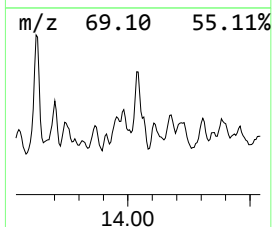
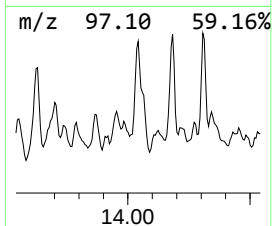
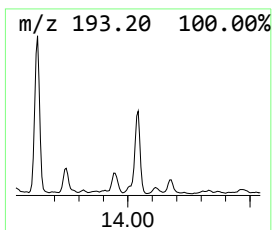
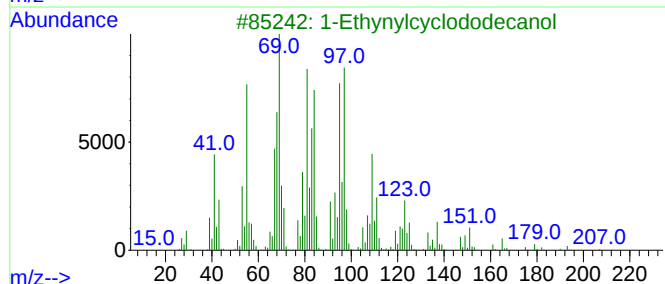
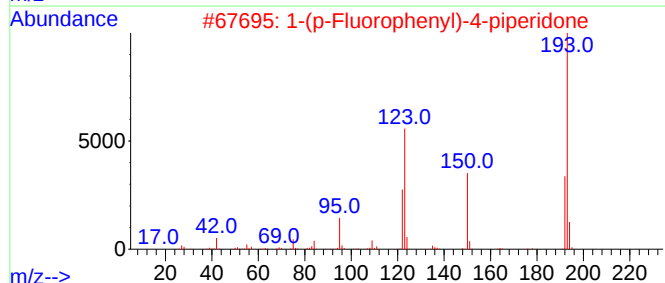
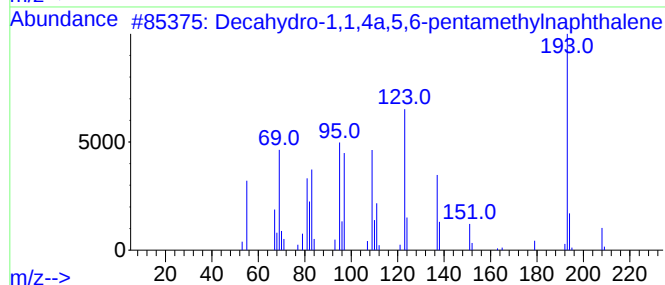
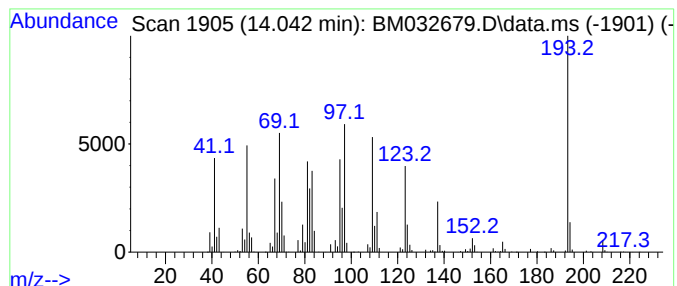
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 unknown14.042 Concentration Rank 7

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 14.042 | 11.78 ng | 1821840 | Acenaphthene-d10 | 14.201 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Decahydro-1,1,4a,5,6-pentamethyl... | 208 | C15H28    | 080655-44-3  | 47   |
| 2    |    |   | 1-(p-Fluorophenyl)-4-piperidone     | 193 | C11H12FNO | 1000238-56-7 | 38   |
| 3    |    |   | 1-Ethynylcyclododecanol             | 208 | C14H24O   | 1000484-40-4 | 35   |
| 4    |    |   | 2-Phenylindolizine                  | 193 | C14H11N   | 025379-20-8  | 27   |
| 5    |    |   | 2,6-Heptadienal, 2,4-dimethyl-      | 138 | C9H14O    | 085136-08-9  | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

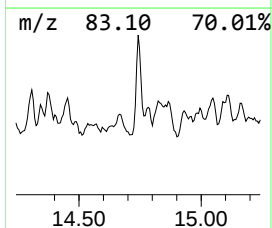
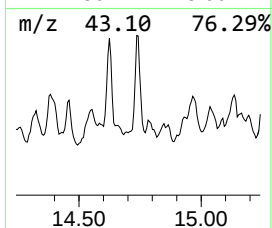
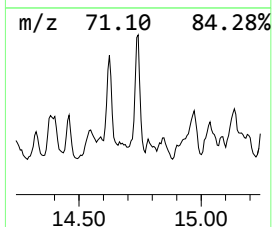
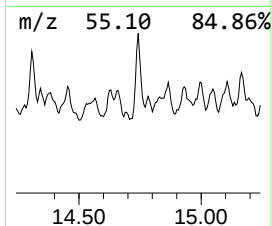
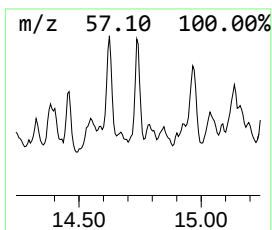
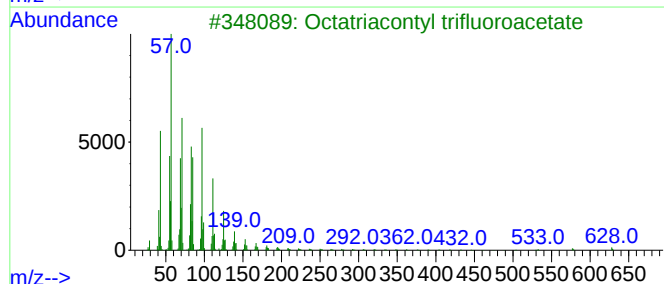
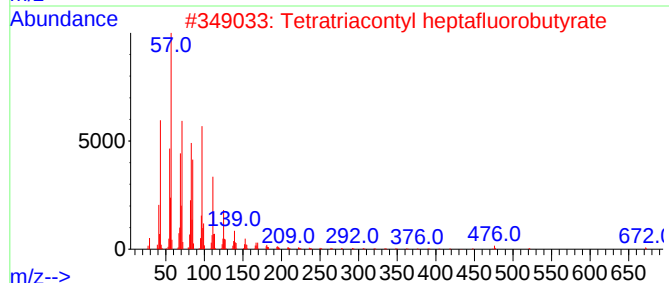
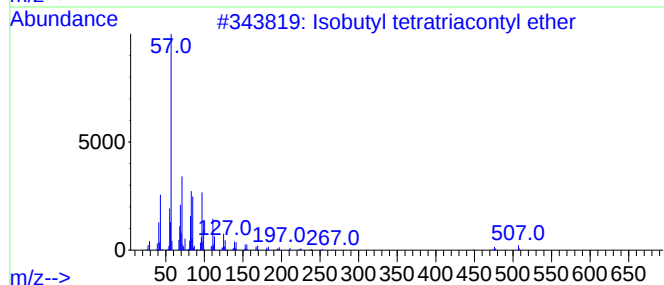
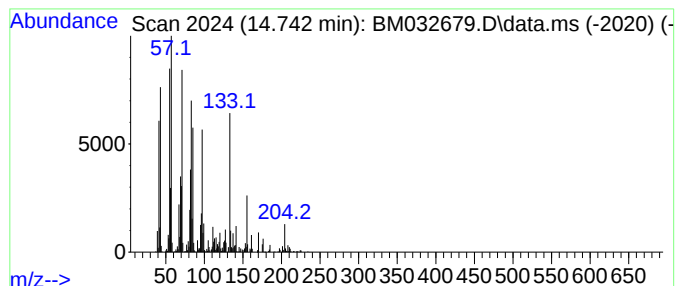
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 Isobutyl tetratriacontyl ether Concentration Rank 11

| R.T.      | EstConc                             | Area    | Relative to ISTD |            |              | R.T.   |
|-----------|-------------------------------------|---------|------------------|------------|--------------|--------|
| 14.742    | 7.11 ng                             | 1099580 | Acenaphthene-d10 |            |              | 14.201 |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm    | CAS#         | Qual   |
| 1         | Isobutyl tetratriacontyl ether      |         | 551              | C38H78O    | 1000406-33-7 | 58     |
| 2         | Tetratriacontyl heptafluorobutyrate |         | 691              | C38H69F7O2 | 1000351-84-1 | 52     |
| 3         | Octatriacontyl trifluoroacetate     |         | 647              | C40H77F3O2 | 1000351-88-7 | 52     |
| 4         | 1-Tetradecanol, 14-chloro-          |         | 248              | C14H29ClO  | 073937-05-0  | 46     |
| 5         | 17-Pentatriacontene                 |         | 491              | C35H70     | 006971-40-0  | 43     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

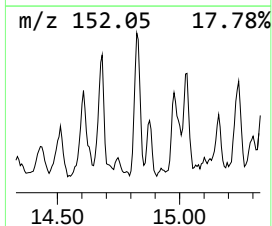
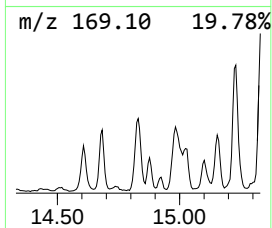
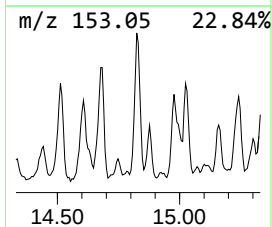
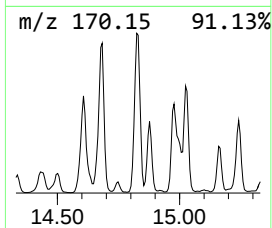
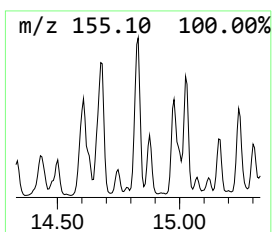
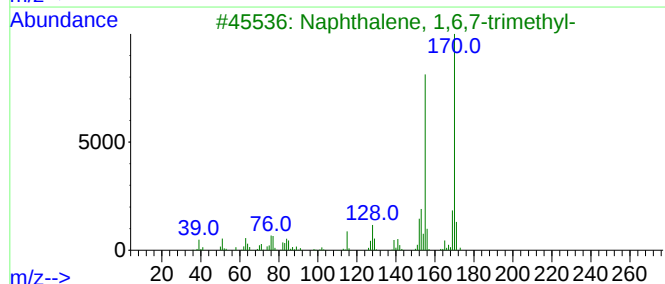
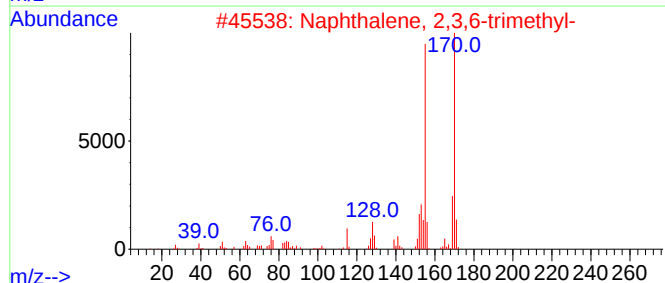
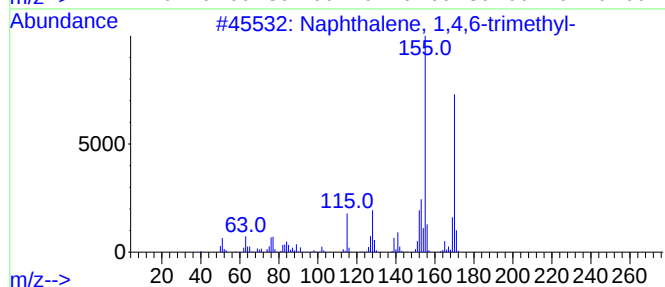
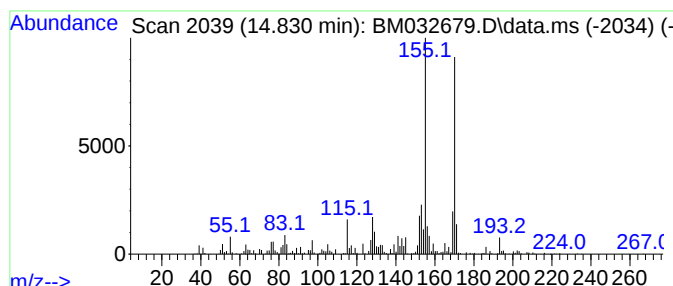
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Naphthalene, 1,4,6-trimethyl- Concentration Rank 10

| R.T.      | EstConc                             | Area    | Relative to ISTD |         | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|---------|--------------|------|
| 14.830    | 8.23 ng                             | 1273050 | Acenaphthene-d10 |         | 14.201       |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm | CAS#         | Qual |
| 1         | Naphthalene, 1,4,6-trimethyl-       |         | 170              | C13H14  | 002131-42-2  | 97   |
| 2         | Naphthalene, 2,3,6-trimethyl-       |         | 170              | C13H14  | 000829-26-5  | 97   |
| 3         | Naphthalene, 1,6,7-trimethyl-       |         | 170              | C13H14  | 002245-38-7  | 97   |
| 4         | 4,6,8-Trimethylazulene              |         | 170              | C13H14  | 000941-81-1  | 95   |
| 5         | 1-(2,2-Dimethylcyclopropyl)-2-ph... |         | 170              | C13H14  | 1000294-91-1 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

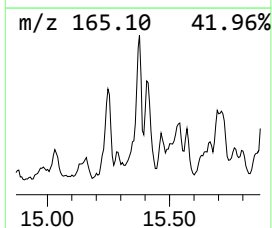
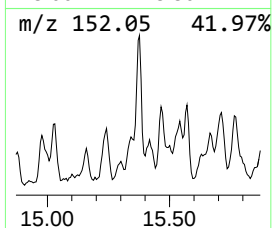
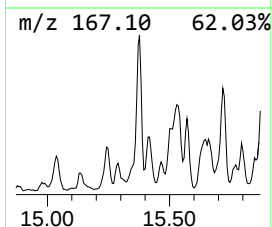
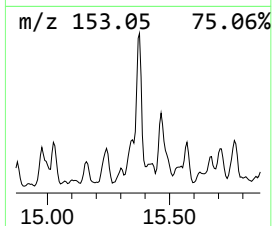
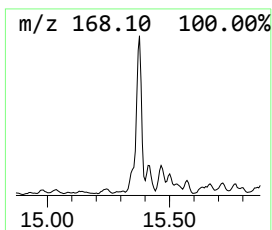
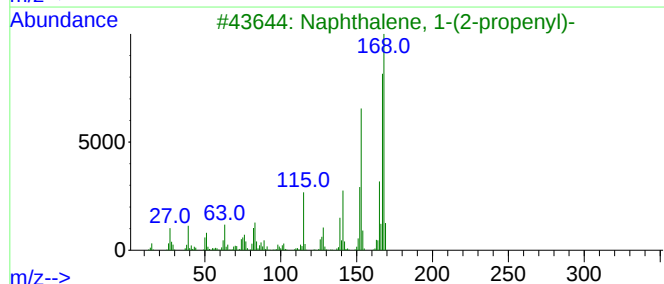
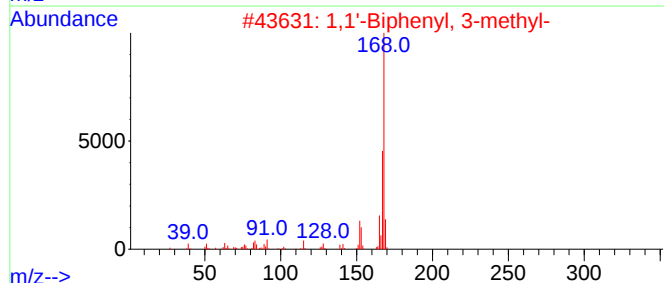
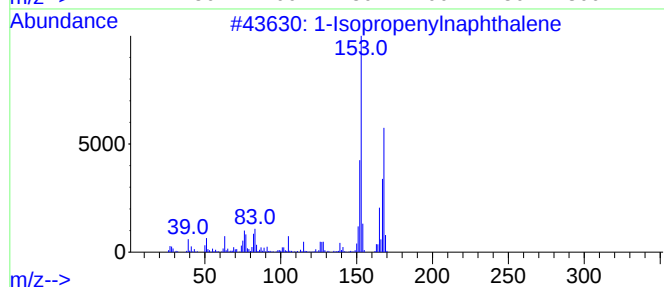
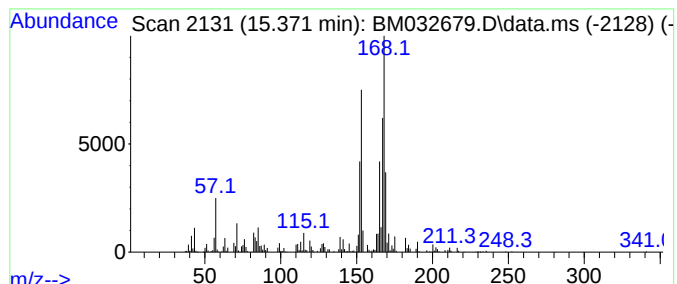
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 15

| R.T.      | EstConc                      | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------------|--------|------------------|-------------|------|
| 15.371    | 4.77 ng                      | 737290 | Acenaphthene-d10 | 14.201      |      |
| Hit# of 5 | Tentative ID                 | MW     | MolForm          | CAS#        | Qual |
| 1         | 1-Isopropenylnaphthalene     | 168    | C13H12           | 001855-47-6 | 68   |
| 2         | 1,1'-Biphenyl, 3-methyl-     | 168    | C13H12           | 000643-93-6 | 49   |
| 3         | Naphthalene, 1-(2-propenyl)- | 168    | C13H12           | 002489-86-3 | 49   |
| 4         | 4-Methylthio-2,6-xyleneol    | 168    | C9H12OS          | 007379-49-9 | 43   |
| 5         | 1,1'-Biphenyl, 4-methyl-     | 168    | C13H12           | 000644-08-6 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

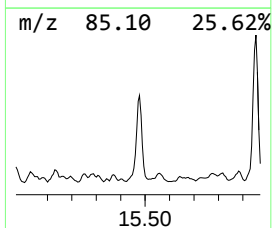
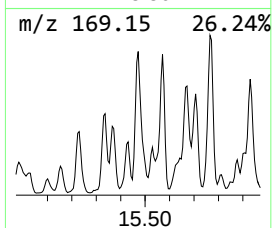
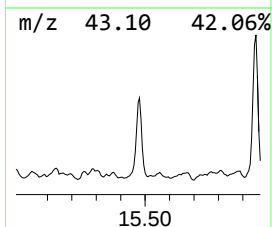
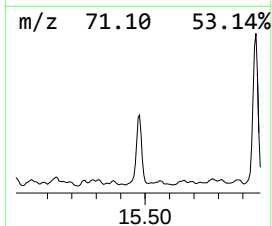
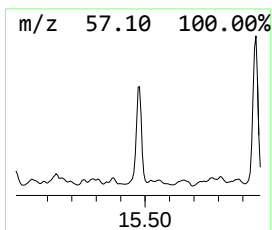
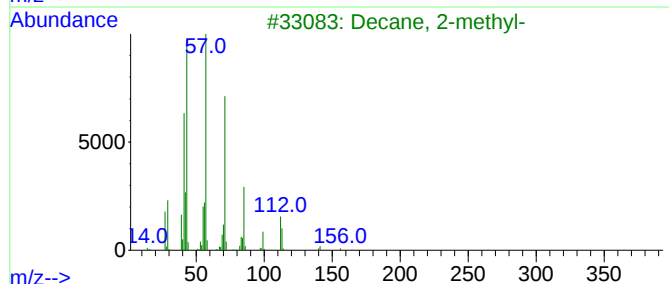
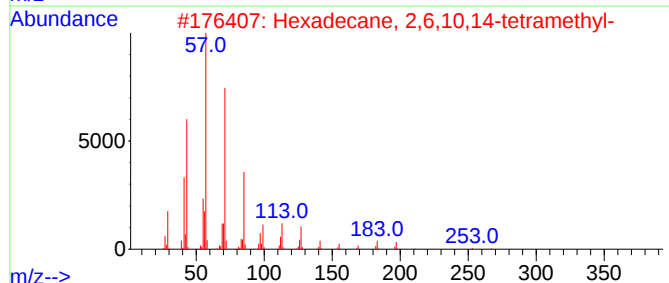
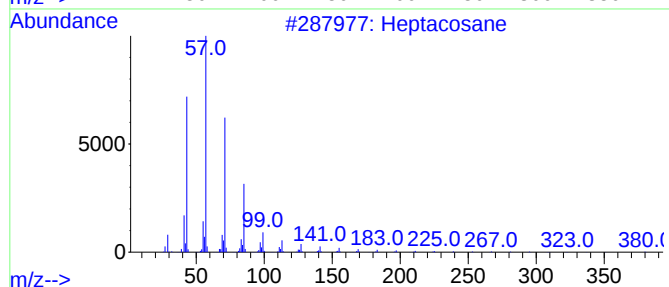
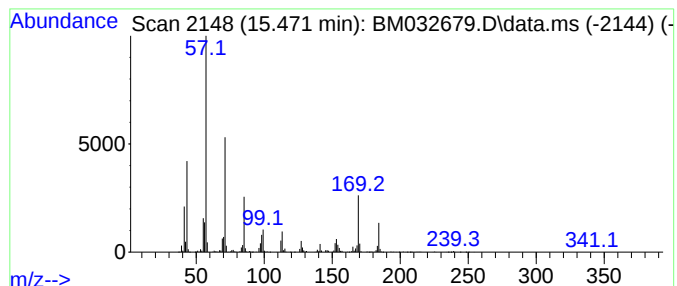
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 Heptacosane Concentration Rank 3

| R.T.      | EstConc                            | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|------------------------------------|---------|------------------|---------|-------------|------|
| 15.471    | 16.21 ng                           | 2507290 | Acenaphthene-d10 |         | 14.201      |      |
| Hit# of 5 | Tentative ID                       |         | MW               | MolForm | CAS#        | Qual |
| 1         | Heptacosane                        |         | 380              | C27H56  | 000593-49-7 | 52   |
| 2         | Hexadecane, 2,6,10,14-tetramethyl- |         | 282              | C20H42  | 000638-36-8 | 49   |
| 3         | Decane, 2-methyl-                  |         | 156              | C11H24  | 006975-98-0 | 46   |
| 4         | Nonane, 3-methyl-                  |         | 142              | C10H22  | 005911-04-6 | 45   |
| 5         | Octane, 2,6-dimethyl-              |         | 142              | C10H22  | 002051-30-1 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

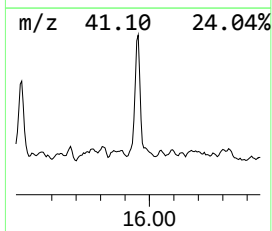
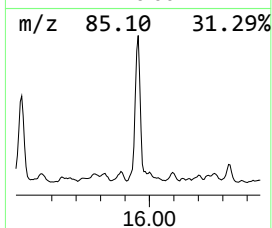
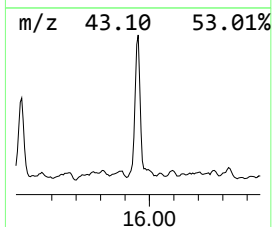
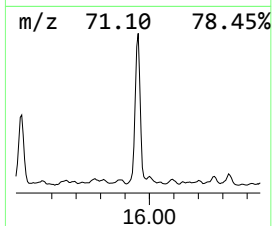
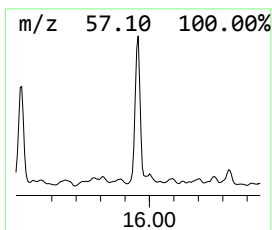
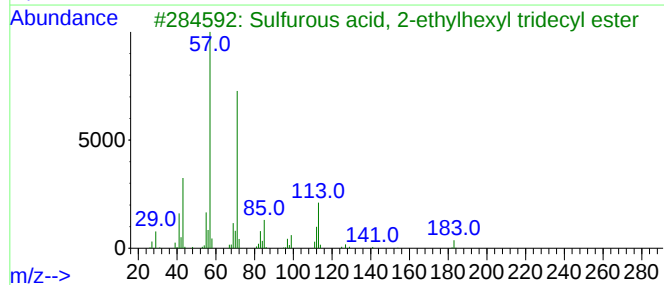
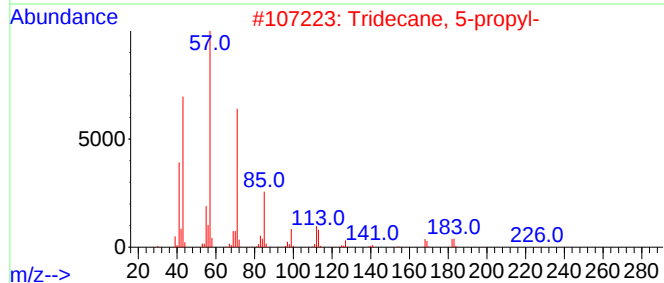
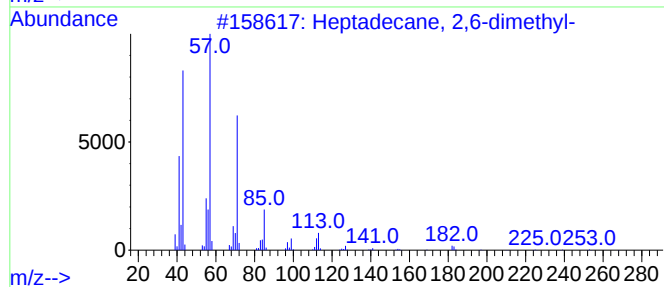
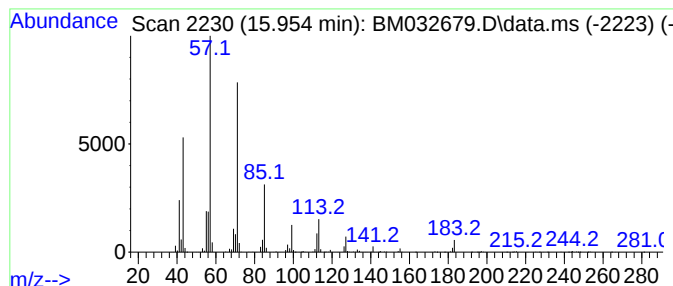
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BNA\_M  
ClientSampleId :  
WC-2A-ID

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.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 18 Heptadecane, 2,6-dimethyl- Concentration Rank 1

| R.T.      | EstConc                             | Area    | Relative to ISTD |           | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|-----------|--------------|------|
| 15.954    | 34.54 ng                            | 4107950 | Phenanthrene-d10 |           | 16.936       |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm   | CAS#         | Qual |
| 1         | Heptadecane, 2,6-dimethyl-          |         | 268              | C19H40    | 054105-67-8  | 90   |
| 2         | Tridecane, 5-propyl-                |         | 226              | C16H34    | 055045-11-9  | 90   |
| 3         | Sulfurous acid, 2-ethylhexyl tri... |         | 376              | C21H44O3S | 1000309-19-6 | 86   |
| 4         | Decane, 2-methyl-                   |         | 156              | C11H24    | 006975-98-0  | 83   |
| 5         | Dodecane, 2,7,10-trimethyl-         |         | 212              | C15H32    | 074645-98-0  | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

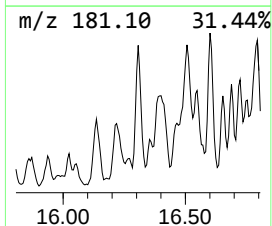
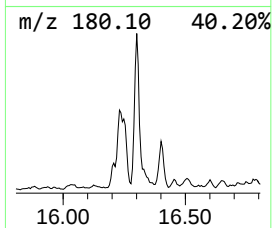
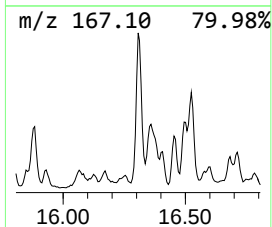
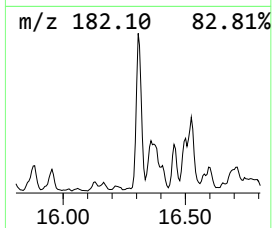
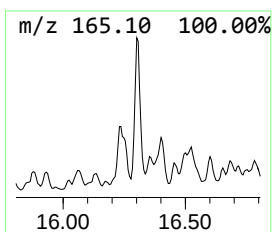
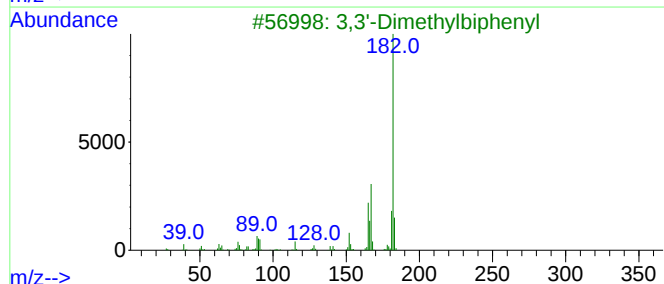
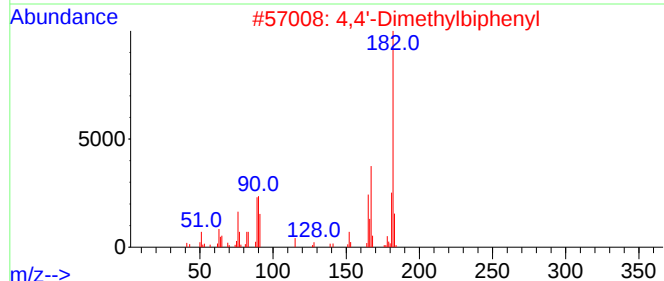
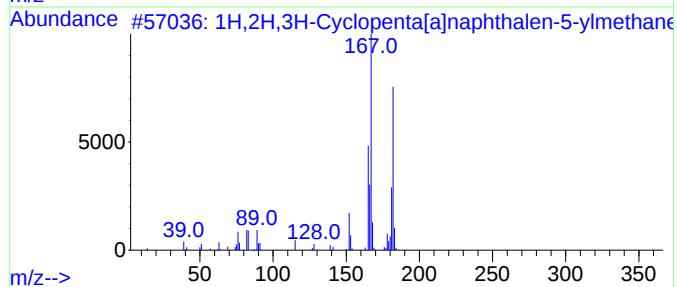
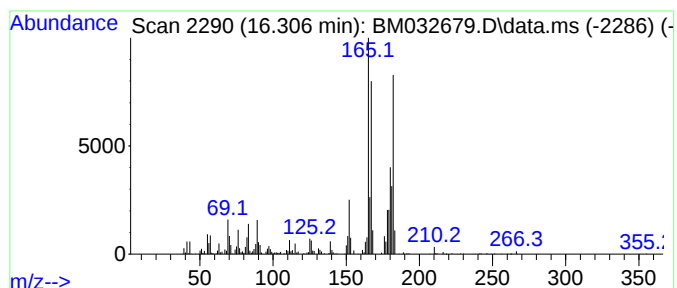
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 1H,2H,3H-Cyclopenta[a]napht... Concentration Rank 9

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 16.307    | 10.37 ng                            | 1233490 | Phenanthrene-d10 | 16.936      |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | 1H,2H,3H-Cyclopenta[a]naphthalen... | 182     | C14H14           | 001624-22-2 | 92   |
| 2         | 4,4'-Dimethylbiphenyl               | 182     | C14H14           | 000613-33-2 | 70   |
| 3         | 3,3'-Dimethylbiphenyl               | 182     | C14H14           | 000612-75-9 | 64   |
| 4         | 1,1'-Biphenyl, 2,3'-dimethyl-       | 182     | C14H14           | 000611-43-8 | 60   |
| 5         | 1,1'-Biphenyl, 3,4'-dimethyl-       | 182     | C14H14           | 007383-90-6 | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032679.D  
Acq On : 22 Oct 2021 17:20  
Operator : CG/JU  
Sample : M4316-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-2A-ID

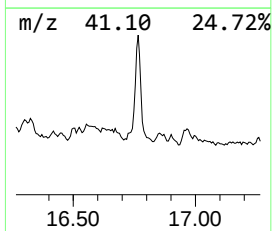
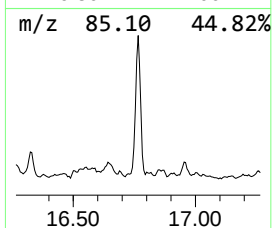
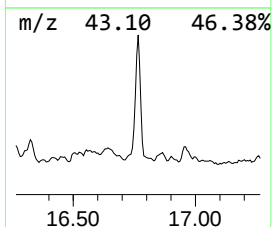
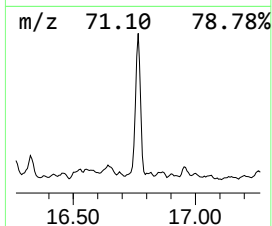
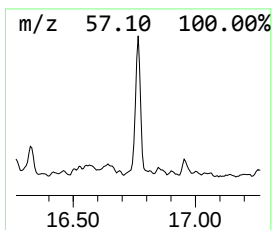
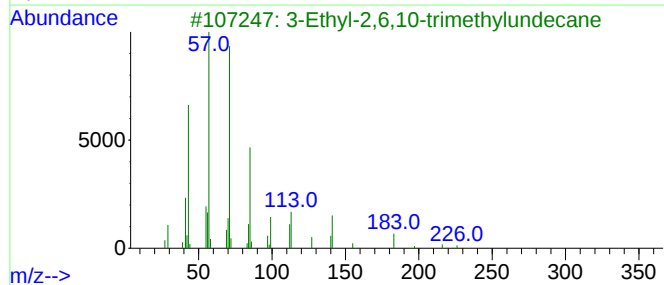
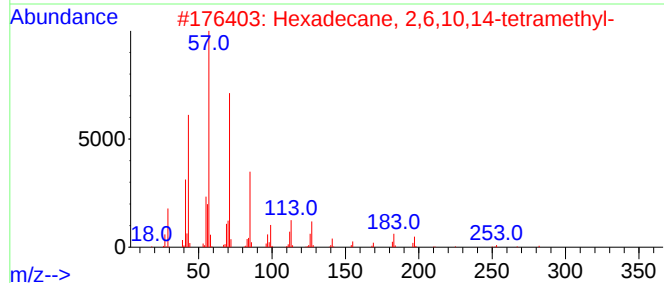
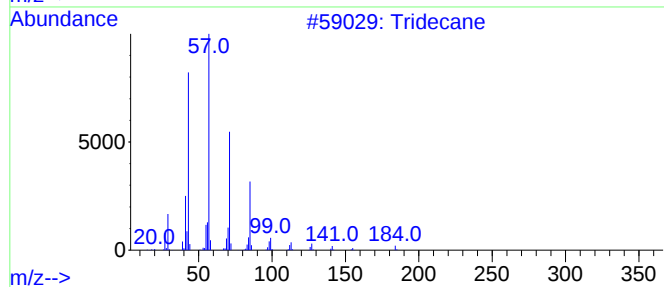
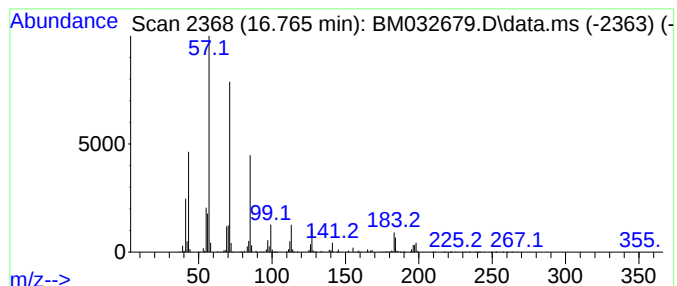
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 Tridecane Concentration Rank 2

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 16.765 | 19.93 ng | 2370440 | Phenanthrene-d10 | 16.936 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Tridecane                           | 184 | C13H28  | 000629-50-5  | 90   |
| 2    |    |   | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8  | 86   |
| 3    |    |   | 3-Ethyl-2,6,10-trimethylundecane    | 226 | C16H34  | 1000432-25-9 | 86   |
| 4    |    |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6  | 83   |
| 5    |    |   | Tetradecane                         | 198 | C14H30  | 000629-59-4  | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
 Data File : BM032679.D  
 Acq On : 22 Oct 2021 17:20  
 Operator : CG/JU  
 Sample : M4316-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WC-2A-ID

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.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 |
| Naphthalene, de... | 9.519  | 4.0     | ng    | 503247   | 2                     | 10.330 | 2504880 | 20.0 |
| Ethanol, 2-(2-b... | 10.113 | 7.0     | ng    | 873959   | 2                     | 10.330 | 2504880 | 20.0 |
| Undecane, 4,6-d... | 10.513 | 3.9     | ng    | 485899   | 2                     | 10.330 | 2504880 | 20.0 |
| unknown11.019      | 11.019 | 6.4     | ng    | 802962   | 2                     | 10.330 | 2504880 | 20.0 |
| Oxalic acid, 2-... | 11.371 | 14.3    | ng    | 1785450  | 2                     | 10.330 | 2504880 | 20.0 |
| unknown12.083      | 12.083 | 5.1     | ng    | 644347   | 2                     | 10.330 | 2504880 | 20.0 |
| unknown12.483      | 12.483 | 3.8     | ng    | 581195   | 3                     | 14.201 | 3093810 | 20.0 |
| Dodecane, 2,7,1... | 12.748 | 13.3    | ng    | 2051430  | 3                     | 14.201 | 3093810 | 20.0 |
| 1H-Indene, 2,3-... | 13.136 | 3.9     | ng    | 601334   | 3                     | 14.201 | 3093810 | 20.0 |
| unknown13.630      | 13.630 | 11.3    | ng    | 1742170  | 3                     | 14.201 | 3093810 | 20.0 |
| 2,6,10-Trimethy... | 13.701 | 16.1    | ng    | 2495110  | 3                     | 14.201 | 3093810 | 20.0 |
| Naphthalene, 1-... | 13.918 | 3.9     | ng    | 604569   | 3                     | 14.201 | 3093810 | 20.0 |
| unknown14.042      | 14.042 | 11.8    | ng    | 1821840  | 3                     | 14.201 | 3093810 | 20.0 |
| Isobutyl tetrat... | 14.742 | 7.1     | ng    | 1099580  | 3                     | 14.201 | 3093810 | 20.0 |
| Naphthalene, 1,... | 14.830 | 8.2     | ng    | 1273050  | 3                     | 14.201 | 3093810 | 20.0 |
| 1-Isopropenylna... | 15.371 | 4.8     | ng    | 737290   | 3                     | 14.201 | 3093810 | 20.0 |
| Heptacosane        | 15.471 | 16.2    | ng    | 2507290  | 3                     | 14.201 | 3093810 | 20.0 |
| Heptadecane, 2,... | 15.954 | 34.5    | ng    | 4107950  | 4                     | 16.936 | 2378670 | 20.0 |
| 1H,2H,3H-Cyclop... | 16.307 | 10.4    | ng    | 1233490  | 4                     | 16.936 | 2378670 | 20.0 |
| Tridecane          | 16.765 | 19.9    | ng    | 2370440  | 4                     | 16.936 | 2378670 | 20.0 |