

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
 Data File : BF128973.D  
 Acq On : 24 Jun 2022 01:27  
 Operator : CG\JU  
 Sample : N3431-07  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-14B-2-3

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-BF060222.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128973.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         | 4.745       | 409           | 418         | 423          | rBV      | 979607         | 1376116       | 8.68%           | 0.367%        |
| 2         | 4.845       | 423           | 435         | 441          | rBV3     | 1312213        | 3147823       | 19.86%          | 0.840%        |
| 3         | 4.904       | 441           | 445         | 450          | rBV      | 2154753        | 2528879       | 15.95%          | 0.675%        |
| 4         | 5.110       | 474           | 480         | 484          | rBV      | 2112897        | 2553507       | 16.11%          | 0.681%        |
| 5         | 5.298       | 510           | 512         | 519          | rVV3     | 1014903        | 1682285       | 10.61%          | 0.449%        |
| 6         | 5.357       | 519           | 522         | 526          | rVV      | 1866182        | 1922416       | 12.13%          | 0.513%        |
| 7         | 5.481       | 539           | 543         | 548          | rVV2     | 2012701        | 3032304       | 19.13%          | 0.809%        |
| 8         | 5.528       | 548           | 551         | 554          | rVV      | 2420474        | 2357596       | 14.87%          | 0.629%        |
| 9         | 5.569       | 554           | 558         | 565          | rVB2     | 1811848        | 2640489       | 16.66%          | 0.704%        |
| 10        | 5.740       | 580           | 587         | 591          | rVB2     | 2497729        | 4188264       | 26.42%          | 1.117%        |
| 11        | 5.792       | 591           | 596         | 599          | rBV3     | 1399957        | 2466732       | 15.56%          | 0.658%        |
| 12        | 5.881       | 605           | 611         | 615          | rVB3     | 4191794        | 5719137       | 36.08%          | 1.525%        |
| 13        | 5.934       | 615           | 620         | 624          | rBV2     | 1480809        | 2799386       | 17.66%          | 0.747%        |
| 14        | 5.981       | 624           | 628         | 634          | rVB3     | 7251675        | 9609817       | 60.63%          | 2.563%        |
| 15        | 6.040       | 634           | 638         | 640          | rBV      | 3548675        | 3544349       | 22.36%          | 0.945%        |
| 16        | 6.069       | 640           | 643         | 646          | rBV2     | 989318         | 1332094       | 8.40%           | 0.355%        |
| 17        | 6.169       | 654           | 660         | 666          | rBV3     | 3978705        | 6981184       | 44.04%          | 1.862%        |
| 18        | 6.263       | 673           | 676         | 684          | rVB5     | 4097686        | 7219891       | 45.55%          | 1.926%        |
| 19        | 6.345       | 684           | 690         | 693          | rBV4     | 1090648        | 2015612       | 12.72%          | 0.538%        |
| 20        | 6.387       | 693           | 697         | 699          | rBV2     | 2532385        | 3220232       | 20.32%          | 0.859%        |
| 21        | 6.434       | 702           | 705         | 707          | rVB2     | 1385882        | 1277657       | 8.06%           | 0.341%        |
| 22        | 6.481       | 707           | 713         | 717          | rBV6     | 3241669        | 7158585       | 45.16%          | 1.909%        |
| 23        | 6.510       | 717           | 718         | 724          | rVB2     | 2485749        | 2915609       | 18.39%          | 0.778%        |
| 24        | 6.587       | 724           | 731         | 734          | rBV5     | 2064574        | 3903915       | 24.63%          | 1.041%        |
| 25        | 6.675       | 742           | 746         | 747          | rBV3     | 1099929        | 1337092       | 8.44%           | 0.357%        |
| 26        | 6.722       | 752           | 754         | 757          | rVV4     | 2002162        | 3183646       | 20.08%          | 0.849%        |
| 27        | 6.757       | 757           | 760         | 763          | rVB      | 4892049        | 5029612       | 31.73%          | 1.341%        |
| 28        | 6.798       | 763           | 767         | 769          | rBV3     | 1924772        | 2527744       | 15.95%          | 0.674%        |
| 29        | 6.834       | 769           | 773         | 775          | rVV3     | 1715388        | 2462266       | 15.53%          | 0.657%        |
| 30        | 6.857       | 775           | 777         | 779          | rVV      | 2209525        | 2527391       | 15.94%          | 0.674%        |
| 31        | 6.887       | 779           | 782         | 786          | rVV2     | 5145225        | 6872849       | 43.36%          | 1.833%        |
| 32        | 6.922       | 786           | 788         | 790          | rVB2     | 2060199        | 1675508       | 10.57%          | 0.447%        |
| 33        | 6.969       | 793           | 796         | 798          | rVV      | 1575863        | 1598545       | 10.08%          | 0.426%        |
| 34        | 7.010       | 800           | 803         | 807          | rVB3     | 3363532        | 4144920       | 26.15%          | 1.106%        |
| 35        | 7.081       | 813           | 815         | 818          | rBV2     | 1258640        | 1381786       | 8.72%           | 0.369%        |
| 36        | 7.134       | 820           | 824         | 826          | rVV4     | 2639753        | 2949850       | 18.61%          | 0.787%        |

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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-BF060222.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |       |     |     |     |      |         |         |        |        |
|----|-------|-----|-----|-----|------|---------|---------|--------|--------|
| 37 | 7.163 | 826 | 829 | 835 | rVB4 | 1157917 | 1833400 | 11.57% | 0.489% |
| 38 | 7.275 | 841 | 848 | 851 | rVV3 | 4090992 | 7424324 | 46.84% | 1.980% |
| 39 | 7.304 | 851 | 853 | 857 | rVV4 | 2186158 | 3503982 | 22.11% | 0.935% |
| 40 | 7.381 | 861 | 866 | 870 | rVB6 | 2870311 | 4467056 | 28.18% | 1.191% |

|    |       |     |     |     |      |         |         |        |        |
|----|-------|-----|-----|-----|------|---------|---------|--------|--------|
| 41 | 7.428 | 870 | 874 | 876 | rBV3 | 1453119 | 1899603 | 11.98% | 0.507% |
| 42 | 7.451 | 876 | 878 | 882 | rVV3 | 1105457 | 1334006 | 8.42%  | 0.356% |
| 43 | 7.492 | 882 | 885 | 887 | rVV2 | 1540024 | 1688797 | 10.65% | 0.450% |
| 44 | 7.516 | 887 | 889 | 892 | rVV2 | 1969149 | 2689027 | 16.96% | 0.717% |
| 45 | 7.545 | 892 | 894 | 897 | rVB3 | 2579377 | 2133535 | 13.46% | 0.569% |

|    |       |     |     |     |      |         |         |        |        |
|----|-------|-----|-----|-----|------|---------|---------|--------|--------|
| 46 | 7.628 | 904 | 908 | 909 | rBV3 | 1191137 | 1383084 | 8.73%  | 0.369% |
| 47 | 7.645 | 909 | 911 | 912 | rVV  | 1871659 | 1780897 | 11.24% | 0.475% |
| 48 | 7.663 | 912 | 914 | 918 | rVB4 | 2574043 | 2510957 | 15.84% | 0.670% |
| 49 | 7.763 | 927 | 931 | 934 | rVV2 | 3593430 | 3785334 | 23.88% | 1.010% |
| 50 | 7.798 | 934 | 937 | 941 | rVB  | 1979722 | 2377438 | 15.00% | 0.634% |

|    |       |     |     |     |      |         |         |        |        |
|----|-------|-----|-----|-----|------|---------|---------|--------|--------|
| 51 | 7.839 | 941 | 944 | 949 | rVB4 | 1827931 | 2156538 | 13.61% | 0.575% |
| 52 | 7.892 | 949 | 953 | 957 | rBV3 | 1520655 | 2589593 | 16.34% | 0.691% |
| 53 | 8.010 | 970 | 973 | 978 | rVV4 | 1984624 | 3773398 | 23.81% | 1.006% |
| 54 | 8.069 | 981 | 983 | 984 | rVV  | 1579908 | 1315473 | 8.30%  | 0.351% |
| 55 | 8.092 | 984 | 987 | 989 | rVV  | 2726223 | 2653778 | 16.74% | 0.708% |

|    |       |      |      |      |      |         |         |        |        |
|----|-------|------|------|------|------|---------|---------|--------|--------|
| 56 | 8.228 | 1007 | 1010 | 1012 | rVB2 | 1877105 | 1686764 | 10.64% | 0.450% |
| 57 | 8.316 | 1020 | 1025 | 1028 | rVV4 | 1825021 | 2177092 | 13.73% | 0.581% |
| 58 | 8.369 | 1032 | 1034 | 1037 | rVV3 | 1141954 | 1297413 | 8.19%  | 0.346% |
| 59 | 8.404 | 1037 | 1040 | 1043 | rVB4 | 1133837 | 1247303 | 7.87%  | 0.333% |
| 60 | 8.451 | 1043 | 1048 | 1052 | rBV2 | 3439503 | 4698863 | 29.64% | 1.253% |

|    |       |      |      |      |      |         |         |        |        |
|----|-------|------|------|------|------|---------|---------|--------|--------|
| 61 | 8.486 | 1052 | 1054 | 1057 | rVB3 | 1793868 | 1681549 | 10.61% | 0.449% |
| 62 | 8.528 | 1058 | 1061 | 1064 | rVB4 | 1411359 | 1293789 | 8.16%  | 0.345% |
| 63 | 8.569 | 1064 | 1068 | 1070 | rBV2 | 1779434 | 2237972 | 14.12% | 0.597% |
| 64 | 8.716 | 1089 | 1093 | 1096 | rVB3 | 2102314 | 2896564 | 18.27% | 0.773% |
| 65 | 8.804 | 1105 | 1108 | 1110 | rBV3 | 963491  | 1276344 | 8.05%  | 0.340% |

|    |       |      |      |      |      |         |         |        |        |
|----|-------|------|------|------|------|---------|---------|--------|--------|
| 66 | 8.904 | 1122 | 1125 | 1127 | rBV4 | 1270890 | 1361924 | 8.59%  | 0.363% |
| 67 | 8.933 | 1127 | 1130 | 1134 | rVB5 | 1187542 | 1451335 | 9.16%  | 0.387% |
| 68 | 9.051 | 1146 | 1150 | 1153 | rVV  | 3999352 | 3792802 | 23.93% | 1.012% |
| 69 | 9.098 | 1155 | 1158 | 1160 | rVB  | 1762297 | 1411912 | 8.91%  | 0.377% |
| 70 | 9.186 | 1169 | 1173 | 1177 | rBV4 | 1684667 | 2676496 | 16.89% | 0.714% |

|    |       |      |      |      |      |         |         |        |        |
|----|-------|------|------|------|------|---------|---------|--------|--------|
| 71 | 9.375 | 1201 | 1205 | 1207 | rVB2 | 1259263 | 1544070 | 9.74%  | 0.412% |
| 72 | 9.445 | 1214 | 1217 | 1219 | rBV  | 1919825 | 1940546 | 12.24% | 0.518% |
| 73 | 9.492 | 1222 | 1225 | 1226 | rVV2 | 1721895 | 1777902 | 11.22% | 0.474% |
| 74 | 9.510 | 1226 | 1228 | 1230 | rVB  | 4157875 | 3042894 | 19.20% | 0.812% |
| 75 | 9.645 | 1248 | 1251 | 1256 | rBV4 | 1651535 | 2257452 | 14.24% | 0.602% |

|    |       |      |      |      |     |         |         |        |        |
|----|-------|------|------|------|-----|---------|---------|--------|--------|
| 76 | 9.692 | 1256 | 1259 | 1261 | rVB | 2489275 | 2302216 | 14.52% | 0.614% |
|----|-------|------|------|------|-----|---------|---------|--------|--------|

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 ClientSampleId :  
 WC-14B-2-3

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-BF060222.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |          |         |        |
|-----|--------|------|------|------|------|---------|----------|---------|--------|
| 77  | 9.757  | 1267 | 1270 | 1272 | rBV3 | 1394484 | 1778111  | 11.22%  | 0.474% |
| 78  | 9.780  | 1272 | 1274 | 1277 | rVB2 | 1810402 | 1587921  | 10.02%  | 0.424% |
| 79  | 9.886  | 1290 | 1292 | 1296 | rVB2 | 1310501 | 1510772  | 9.53%   | 0.403% |
| 80  | 9.980  | 1305 | 1308 | 1314 | rVB5 | 1484195 | 1927969  | 12.16%  | 0.514% |
| 81  | 10.027 | 1314 | 1316 | 1325 | rVB4 | 1779448 | 3346509  | 21.11%  | 0.893% |
| 82  | 10.104 | 1325 | 1329 | 1332 | rBV3 | 1677418 | 2265860  | 14.29%  | 0.604% |
| 83  | 10.192 | 1340 | 1344 | 1349 | rBV4 | 1710066 | 2439940  | 15.39%  | 0.651% |
| 84  | 10.439 | 1382 | 1386 | 1391 | rVB  | 3274278 | 3593205  | 22.67%  | 0.958% |
| 85  | 10.710 | 1427 | 1432 | 1437 | rVB  | 4903929 | 6434104  | 40.59%  | 1.716% |
| 86  | 11.174 | 1507 | 1511 | 1517 | rVB  | 3961762 | 4550671  | 28.71%  | 1.214% |
| 87  | 12.739 | 1773 | 1777 | 1780 | rVB  | 3104461 | 3120594  | 19.69%  | 0.832% |
| 88  | 13.098 | 1833 | 1838 | 1841 | rBV  | 5382544 | 6225774  | 39.28%  | 1.661% |
| 89  | 13.451 | 1892 | 1898 | 1900 | rBV  | 6473077 | 9084597  | 57.31%  | 2.423% |
| 90  | 13.786 | 1948 | 1955 | 1958 | rVB  | 6851984 | 12826126 | 80.92%  | 3.421% |
| 91  | 14.110 | 2002 | 2010 | 2013 | rVB  | 6956225 | 14095884 | 88.93%  | 3.760% |
| 92  | 14.415 | 2054 | 2062 | 2065 | rVB2 | 7169011 | 15827935 | 99.85%  | 4.222% |
| 93  | 14.715 | 2105 | 2113 | 2116 | rVB  | 7085481 | 14664771 | 92.52%  | 3.911% |
| 94  | 15.045 | 2159 | 2169 | 2172 | rBV  | 7356295 | 15850963 | 100.00% | 4.228% |
| 95  | 15.404 | 2221 | 2230 | 2233 | rBV  | 6023130 | 11953947 | 75.41%  | 3.188% |
| 96  | 15.815 | 2290 | 2300 | 2304 | rBV  | 5092392 | 10619268 | 66.99%  | 2.832% |
| 97  | 16.280 | 2371 | 2379 | 2384 | rVB  | 2964390 | 5710816  | 36.03%  | 1.523% |
| 98  | 16.839 | 2465 | 2474 | 2481 | rVB  | 2275240 | 4823525  | 30.43%  | 1.287% |
| 99  | 17.486 | 2576 | 2584 | 2593 | rVB  | 936464  | 2340768  | 14.77%  | 0.624% |
| 100 | 18.268 | 2709 | 2717 | 2730 | rVB2 | 534815  | 1706754  | 10.77%  | 0.455% |

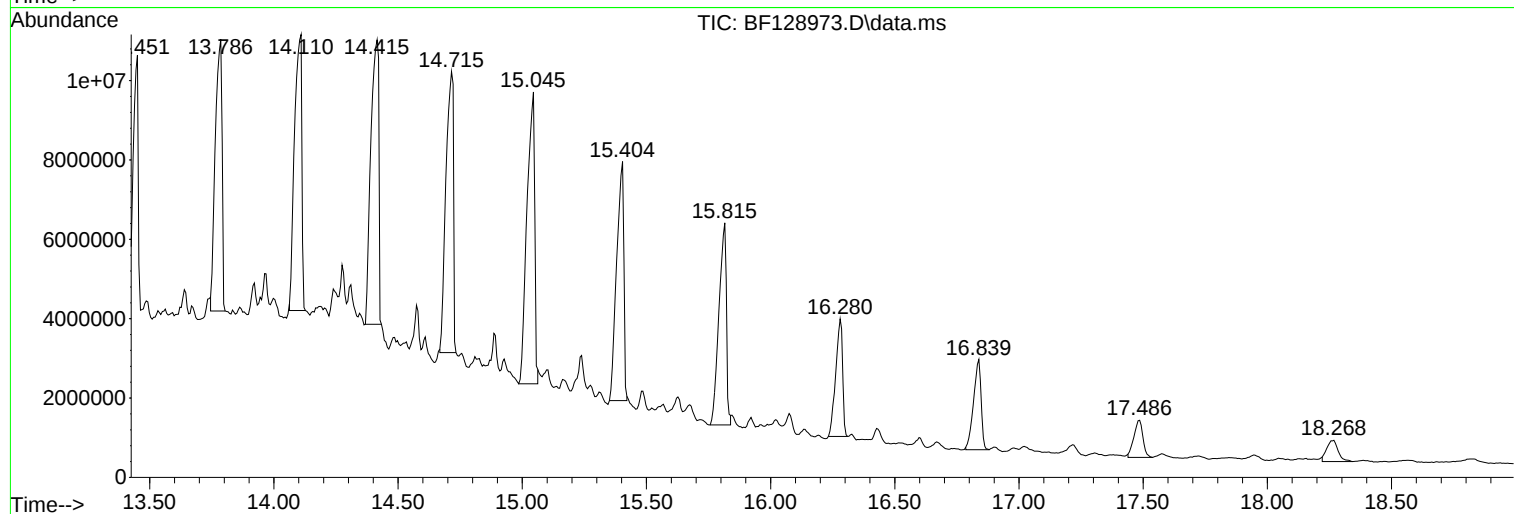
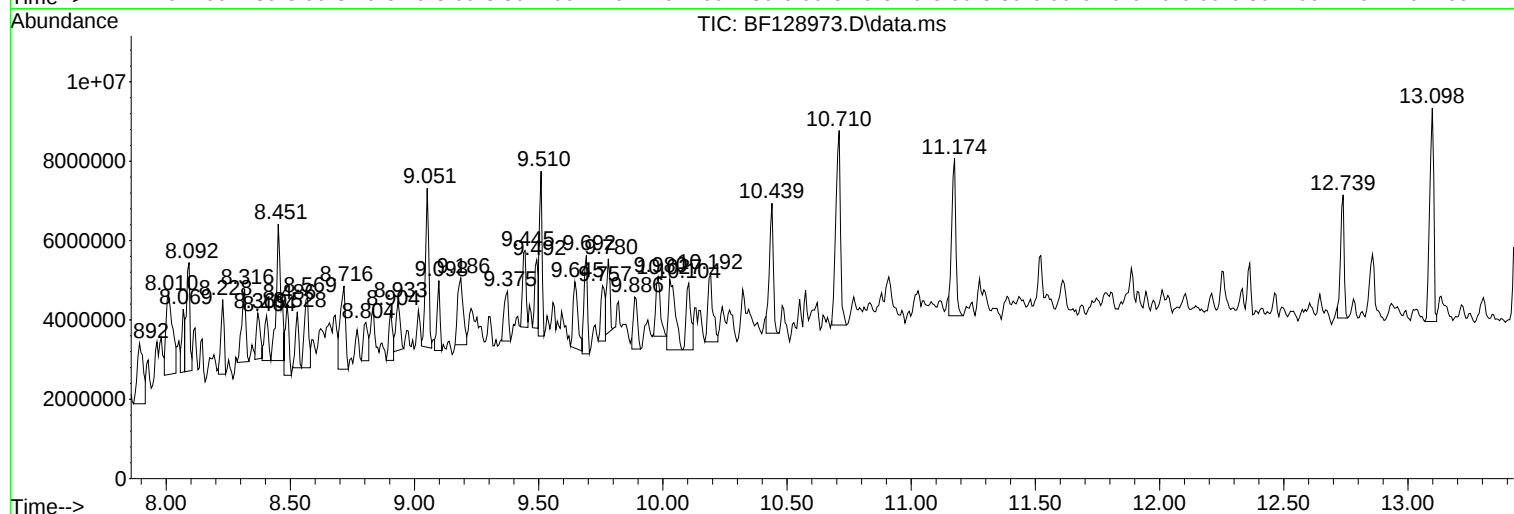
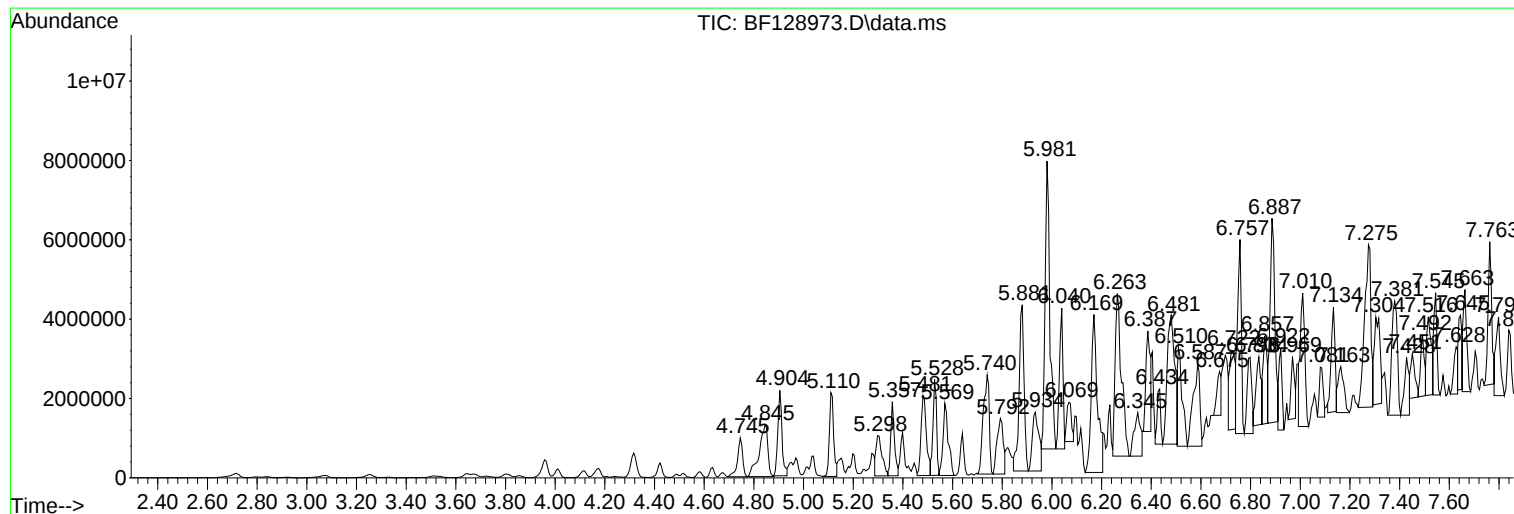
Sum of corrected areas: 374925294

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.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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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

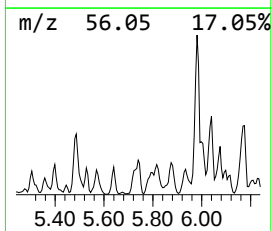
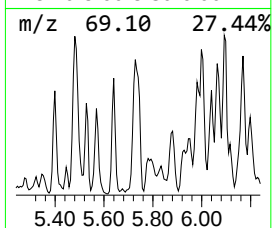
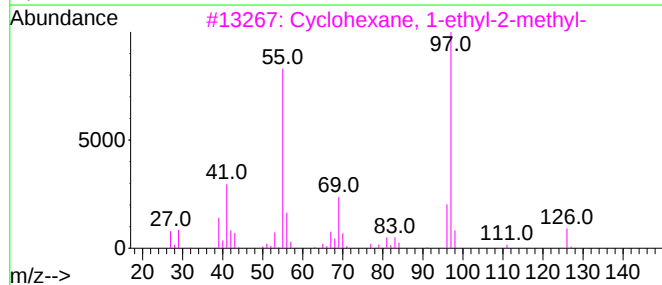
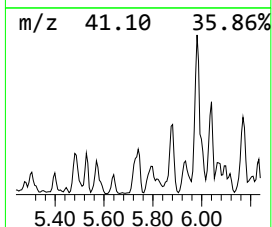
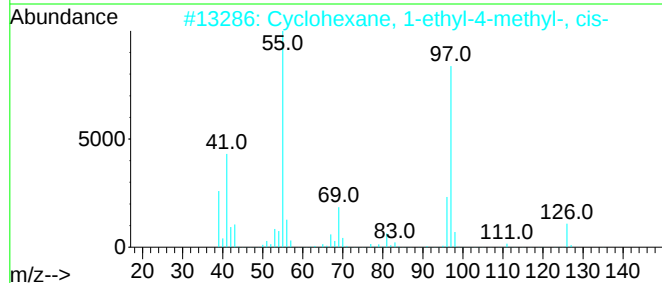
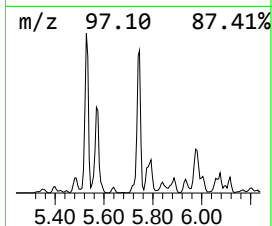
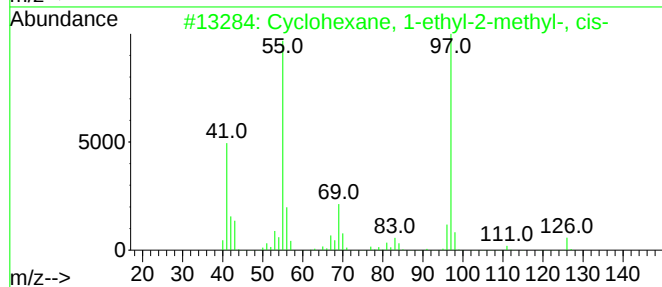
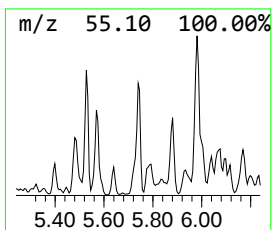
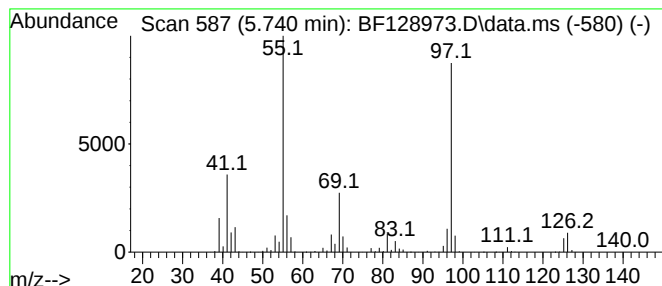
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 17

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 5.740 | 26.31 ng | 4188260 | 1,4-Dichlorobenzene-d4 | 6.734 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18   | 004923-77-7 | 87   |
| 2    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 004926-78-7 | 83   |
| 3    |    |   | Cyclohexane, 1-ethyl-2-methyl-      | 126 | C9H18   | 003728-54-9 | 81   |
| 4    |    |   | 1-Ethyl-3-methylcyclohexane (c,t)   | 126 | C9H18   | 003728-55-0 | 80   |
| 5    |    |   | 1-Ethyl-4-methylcyclohexane         | 126 | C9H18   | 003728-56-1 | 72   |



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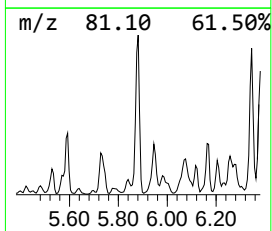
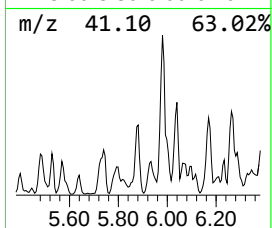
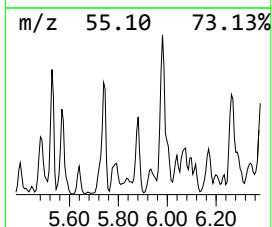
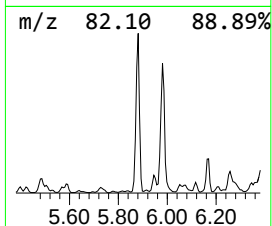
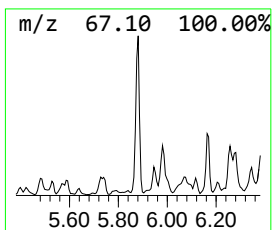
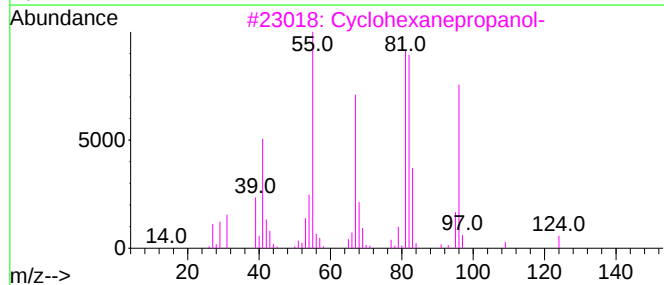
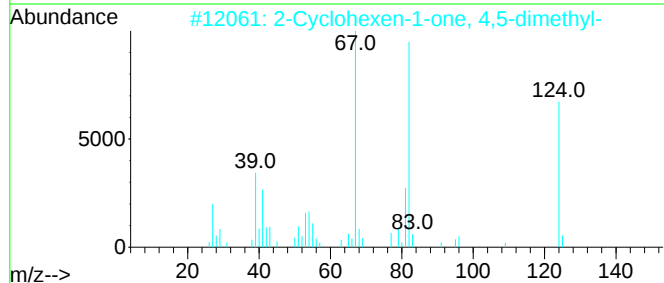
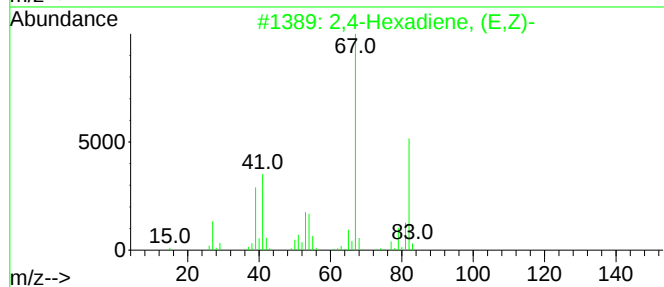
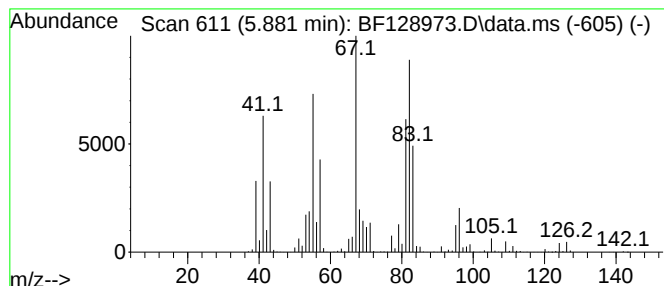
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown5.881 Concentration Rank 9

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 5.881 | 35.93 ng | 5719140 | 1,4-Dichlorobenzene-d4 | 6.734 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2,4-Hexadiene, (E,Z)-             | 82  | C6H10   | 005194-50-3 | 49   |
| 2    |    |   | 2-Cyclohexen-1-one, 4,5-dimethyl- | 124 | C8H12O  | 005715-25-3 | 49   |
| 3    |    |   | Cyclohexanepropanol-              | 142 | C9H18O  | 001124-63-6 | 46   |
| 4    |    |   | 1-Octadecyne                      | 250 | C18H34  | 000629-89-0 | 35   |
| 5    |    |   | 1H-Indene, octahydro-             | 124 | C9H16   | 000496-10-6 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

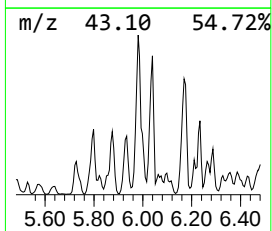
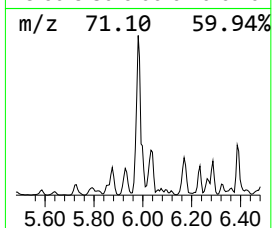
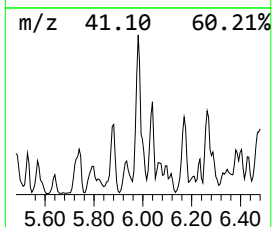
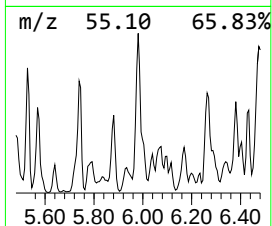
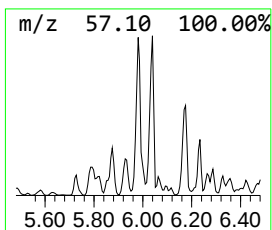
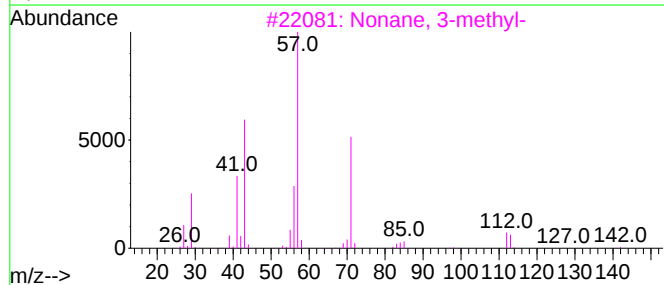
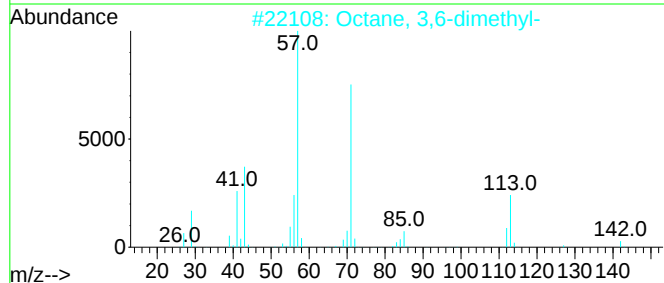
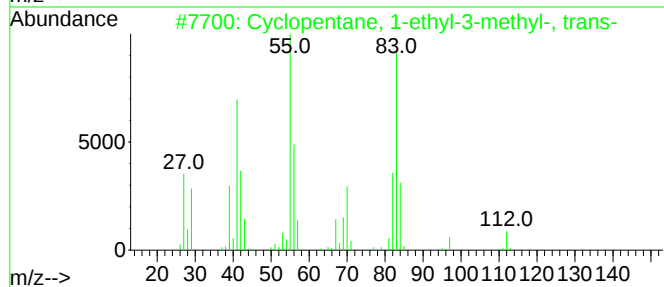
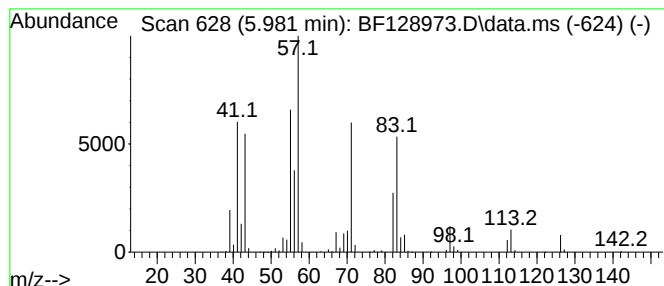
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown5.981 Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 5.981 | 60.37 ng | 9609820 | 1,4-Dichlorobenzene-d4 | 6.734 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentane, 1-ethyl-3-methyl-,... | 112 | C8H16   | 002613-65-2 | 46   |
| 2    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22  | 015869-94-0 | 43   |
| 3    |    |   | Nonane, 3-methyl-                   | 142 | C10H22  | 005911-04-6 | 43   |
| 4    |    |   | Octane, 2,6-dimethyl-               | 142 | C10H22  | 002051-30-1 | 43   |
| 5    |    |   | Cyclopentane, 1-ethyl-2-methyl-,... | 112 | C8H16   | 000930-89-2 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

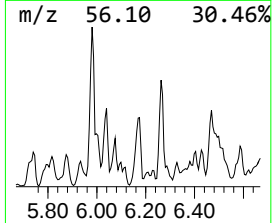
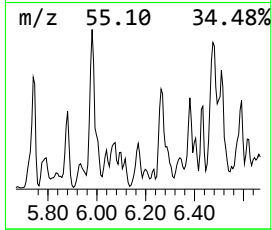
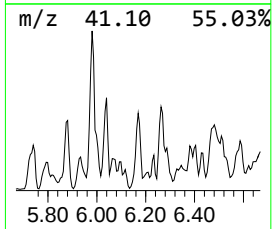
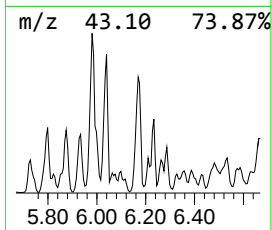
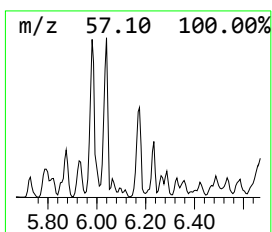
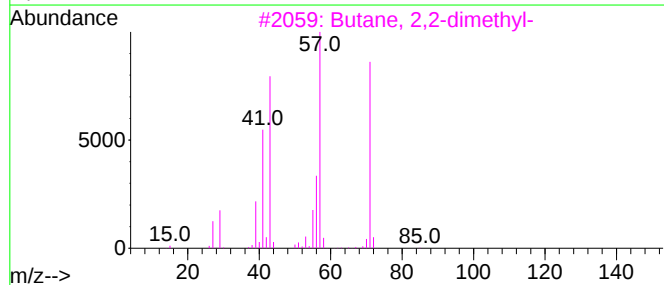
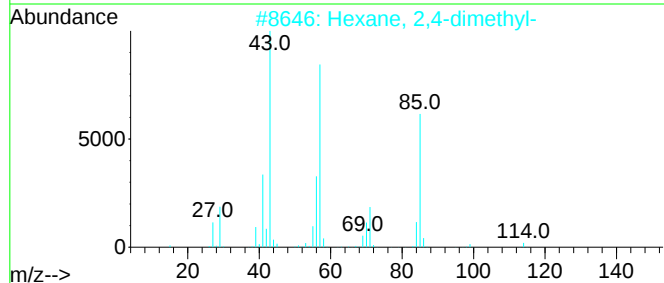
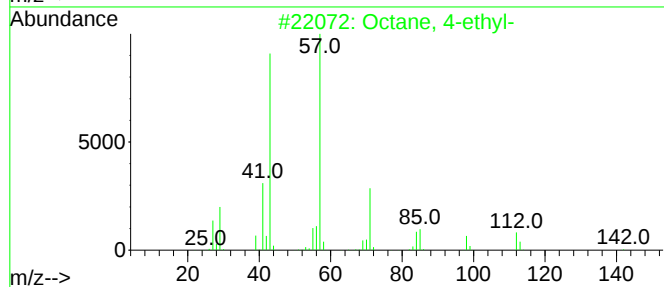
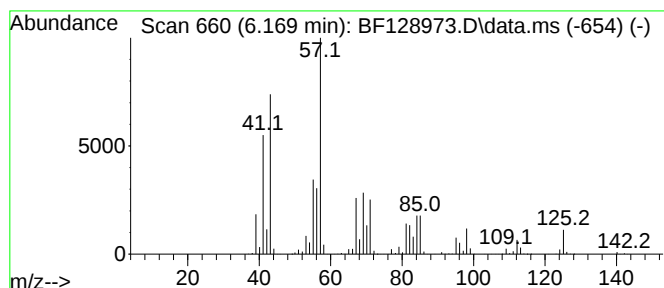
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown6.169 Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 6.169 | 43.86 ng | 6981180 | 1,4-Dichlorobenzene-d4 | 6.734 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------|-----|---------|--------------|------|
| 1    |    |   | Octane, 4-ethyl-      | 142 | C10H22  | 015869-86-0  | 43   |
| 2    |    |   | Hexane, 2,4-dimethyl- | 114 | C8H18   | 000589-43-5  | 38   |
| 3    |    |   | Butane, 2,2-dimethyl- | 86  | C6H14   | 000075-83-2  | 35   |
| 4    |    |   | Octane, 2,7-dimethyl- | 142 | C10H22  | 001072-16-8  | 35   |
| 5    |    |   | 2-Methyl-1-hexanol    | 116 | C7H16O  | 1000427-67-0 | 27   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

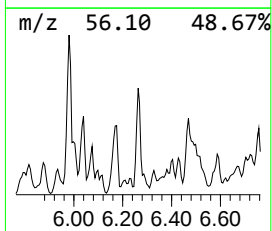
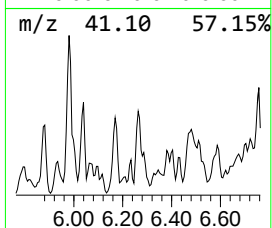
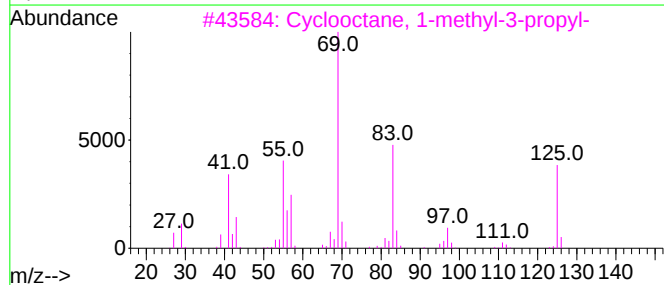
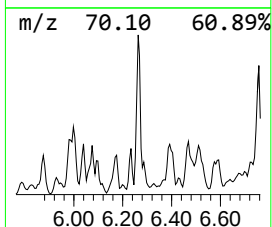
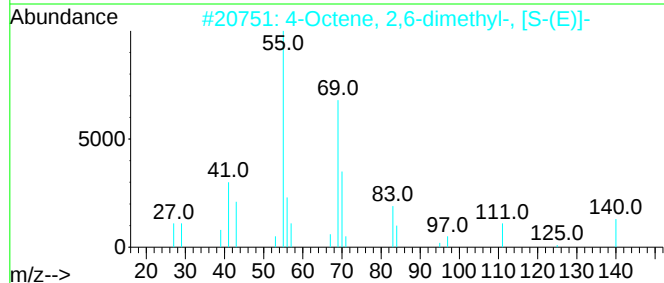
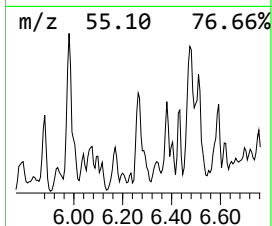
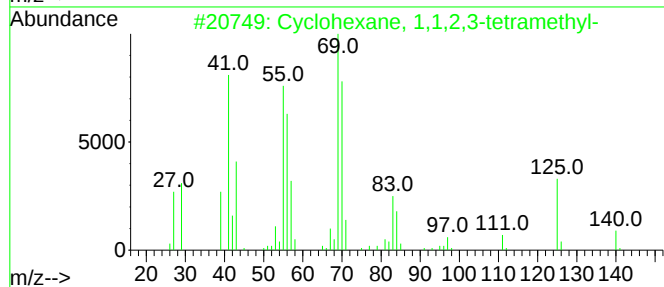
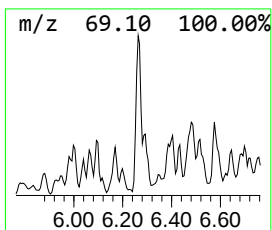
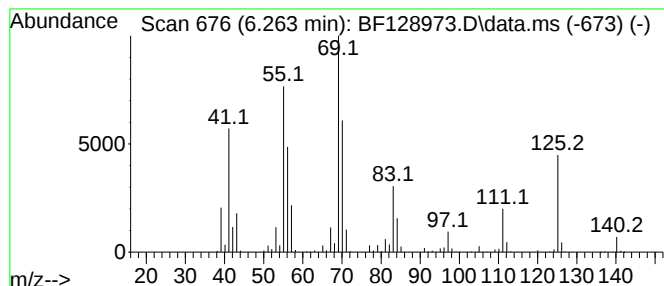
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 6.263 | 45.36 ng | 7219890 | 1,4-Dichlorobenzene-d4 | 6.734 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Cyclohexane, 1,1,2,3-tetramethyl-   | 140 | C10H20   | 006783-92-2 | 93   |
| 2    |    |   | 4-Octene, 2,6-dimethyl-, [S-(E)]-   | 140 | C10H20   | 062960-76-3 | 68   |
| 3    |    |   | Cyclooctane, 1-methyl-3-propyl-     | 168 | C12H24   | 255885-37-1 | 53   |
| 4    |    |   | Zinc, bis[2-(1,1-dimethylethyl)-... | 314 | C18H34Zn | 074793-36-5 | 43   |
| 5    |    |   | 3-Ethyl-4-octene                    | 140 | C10H20   | 019781-32-9 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

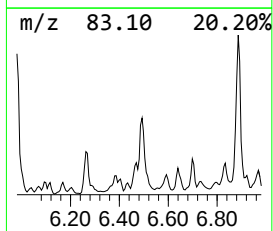
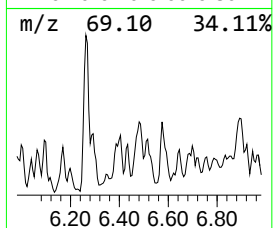
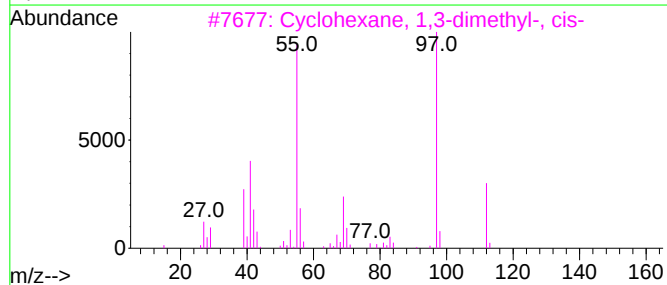
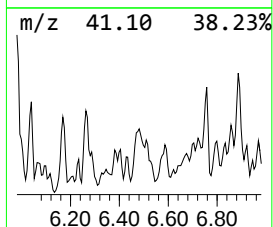
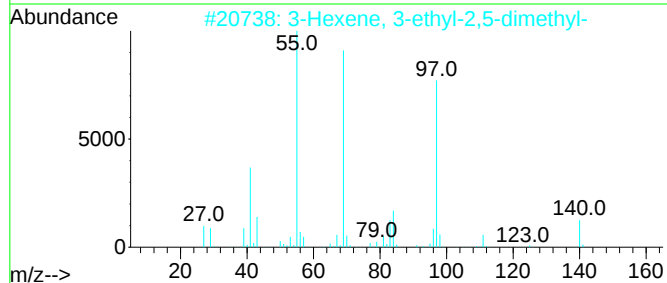
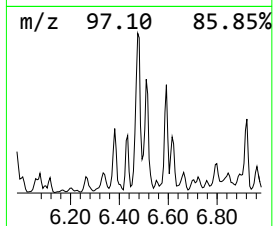
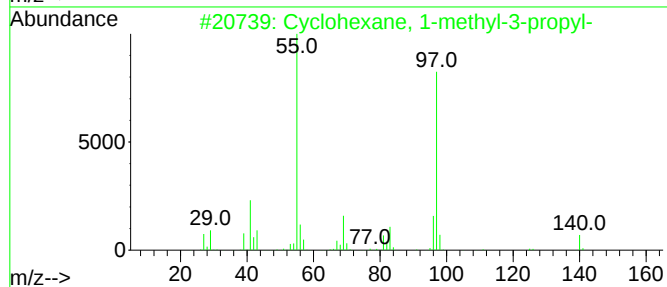
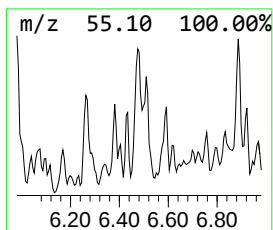
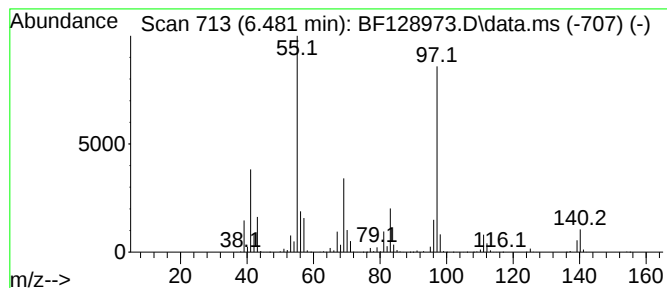
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclohexane, 1-methyl-3-pro... Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 6.481 | 44.97 ng | 7158590 | 1,4-Dichlorobenzene-d4 | 6.734 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|------|-------------------------------------|-----|-----------|--------------|------|
| 1    |      | Cyclohexane, 1-methyl-3-propyl-     | 140 | C10H20    | 004291-80-9  | 72   |
| 2    |      | 3-Hexene, 3-ethyl-2,5-dimethyl-     | 140 | C10H20    | 062338-08-3  | 72   |
| 3    |      | Cyclohexane, 1,3-dimethyl-, cis-    | 112 | C8H16     | 000638-04-0  | 70   |
| 4    |      | Sulfurous acid, cyclohexylmethyl... | 388 | C22H44O3S | 1000309-22-3 | 64   |
| 5    |      | Cyclohexane, 1-methyl-2-propyl-     | 140 | C10H20    | 004291-79-6  | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

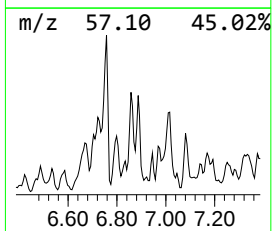
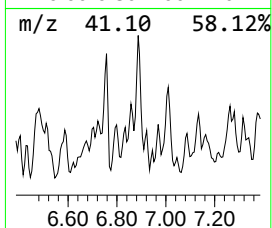
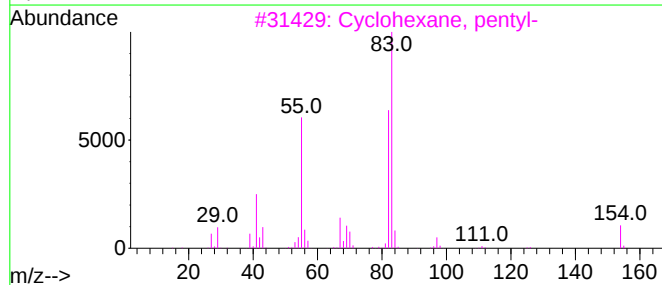
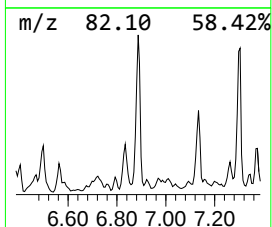
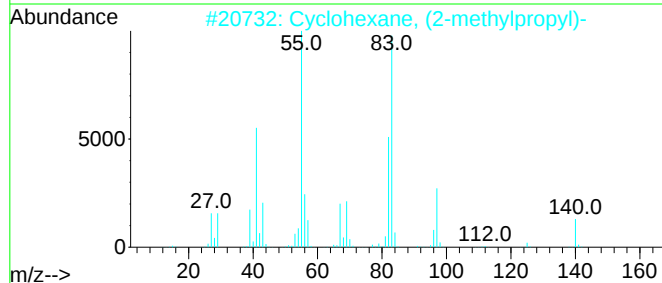
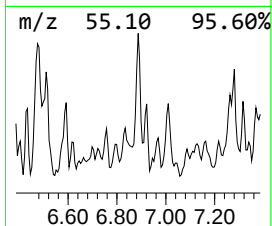
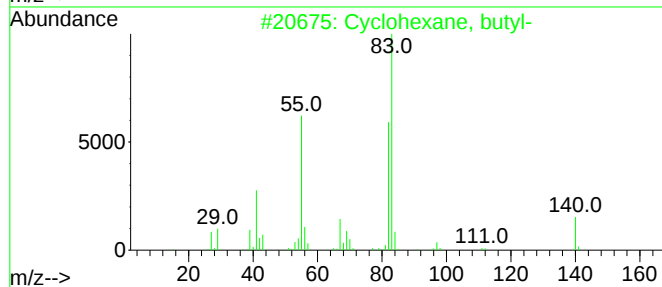
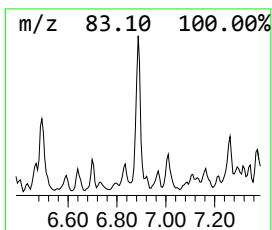
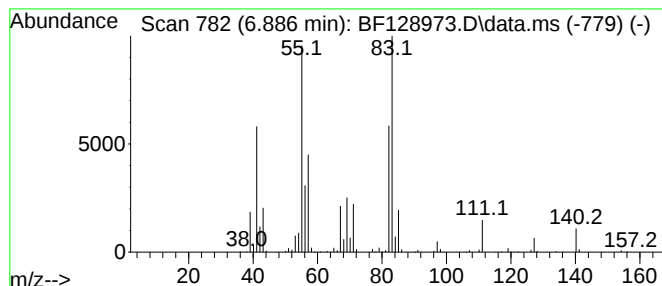
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Cyclohexane, butyl- Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 6.886 | 43.18 ng | 6872850 | 1,4-Dichlorobenzene-d4 | 6.734 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 70   |
| 2    |    |   | Cyclohexane, (2-methylpropyl)- | 140 | C10H20  | 001678-98-4 | 68   |
| 3    |    |   | Cyclohexane, pentyl-           | 154 | C11H22  | 004292-92-6 | 58   |
| 4    |    |   | Cyclohexane, propyl-           | 126 | C9H18   | 001678-92-8 | 53   |
| 5    |    |   | Cyclohexane, octyl-            | 196 | C14H28  | 001795-15-9 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

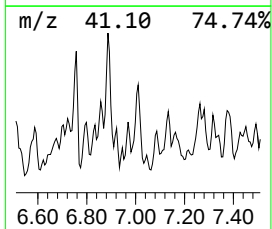
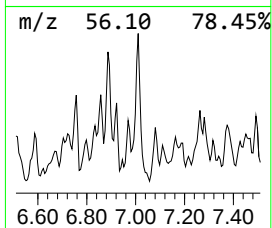
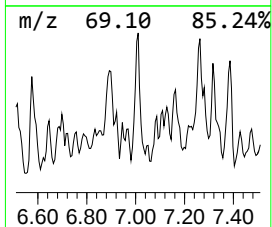
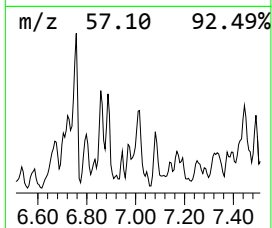
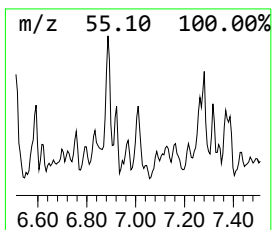
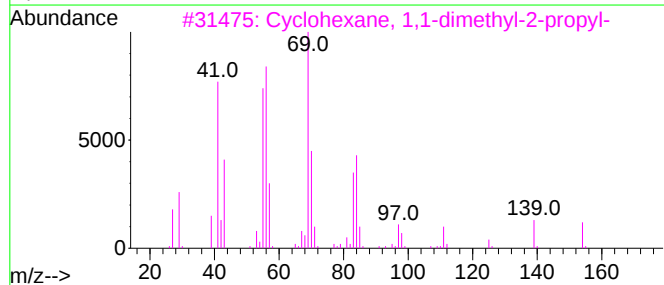
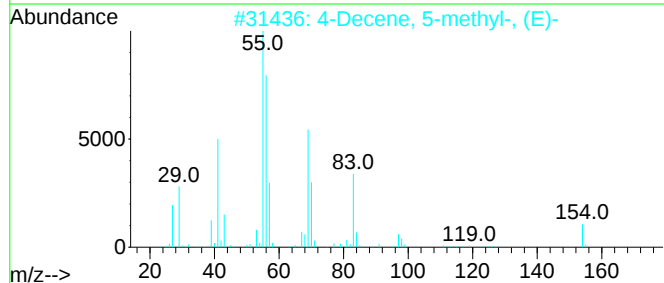
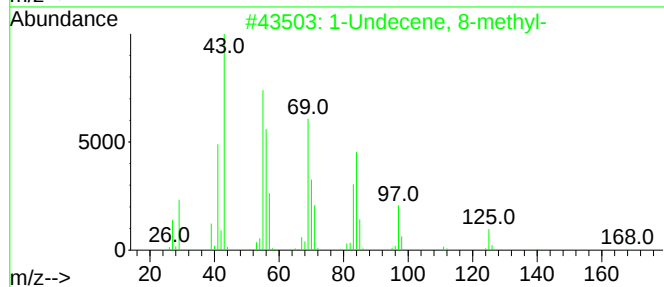
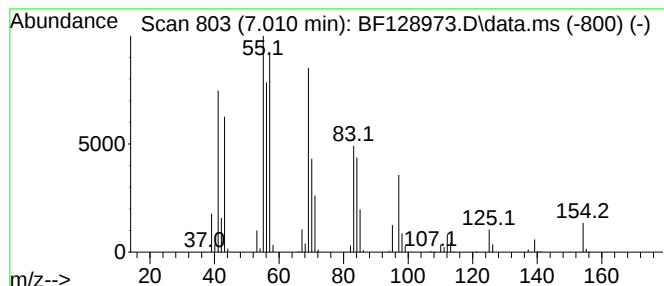
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 1-Undecene, 8-methyl- Concentration Rank 18

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 7.010 | 26.04 ng | 4144920 | 1,4-Dichlorobenzene-d4 | 6.734 |

| Hit# | of 5                                | Tentative ID | MW     | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|--------|-------------|------|------|
| 1    | 1-Undecene, 8-methyl-               | 168          | C12H24 | 074630-40-3 | 80   |      |
| 2    | 4-Decene, 5-methyl-, (E)-           | 154          | C11H22 | 062338-51-6 | 76   |      |
| 3    | Cyclohexane, 1,1-dimethyl-2-propyl- | 154          | C11H22 | 081983-71-3 | 72   |      |
| 4    | 1-Nonene                            | 126          | C9H18  | 000124-11-8 | 64   |      |
| 5    | 1-Hexene, 3-methyl-                 | 98           | C7H14  | 003404-61-3 | 60   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

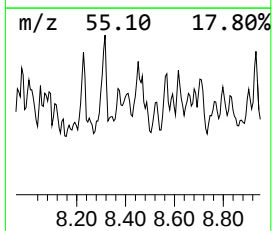
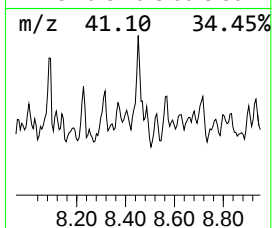
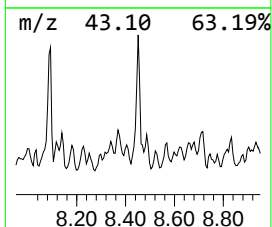
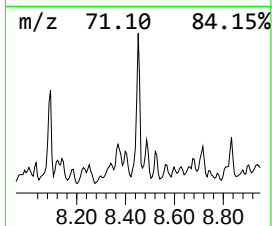
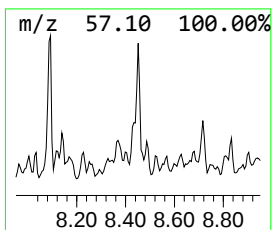
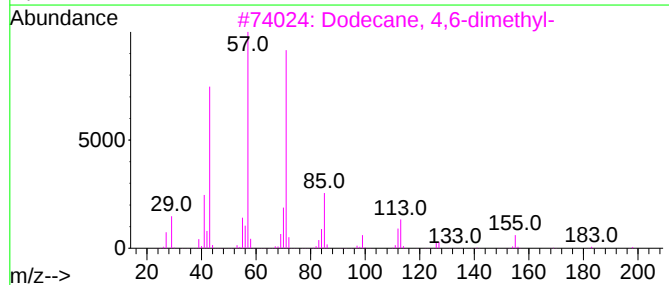
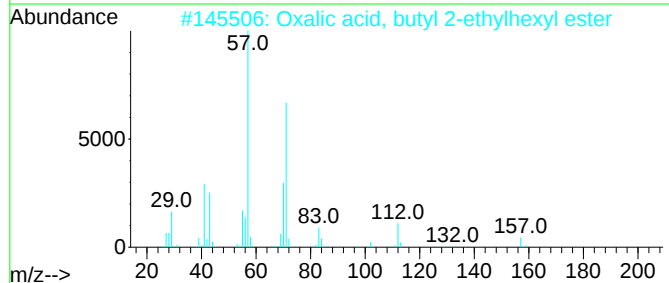
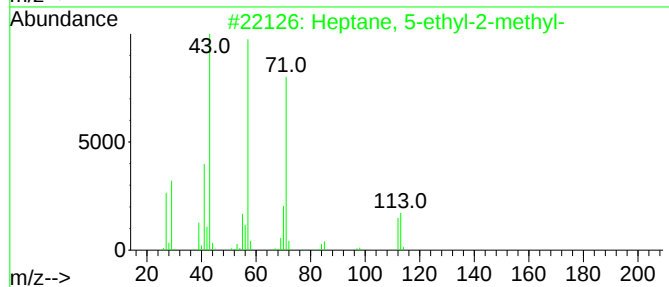
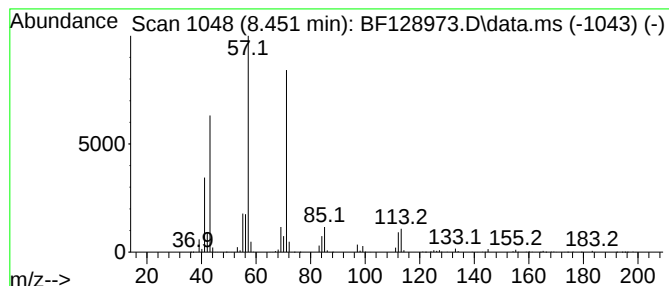
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Heptane, 5-ethyl-2-methyl- Concentration Rank 19

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 8.451 | 24.91 ng | 4698860 | Naphthalene-d8   | 8.022 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Heptane, 5-ethyl-2-methyl-          | 142 | C10H22   | 013475-78-0  | 78   |
| 2    |    |   | Oxalic acid, butyl 2-ethylhexyl ... | 258 | C14H26O4 | 1000309-38-6 | 72   |
| 3    |    |   | Dodecane, 4,6-dimethyl-             | 198 | C14H30   | 061141-72-8  | 72   |
| 4    |    |   | Decane, 2,6,7-trimethyl-            | 184 | C13H28   | 062108-25-2  | 59   |
| 5    |    |   | 3-Hexanone, 2,2-dimethyl-           | 128 | C8H16O   | 005405-79-8  | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

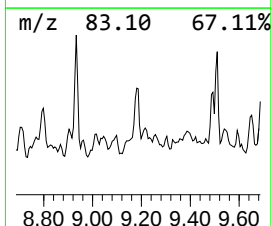
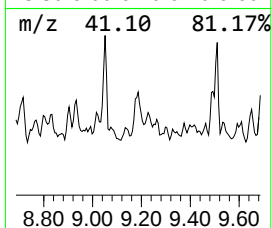
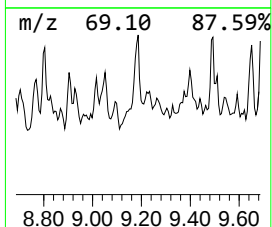
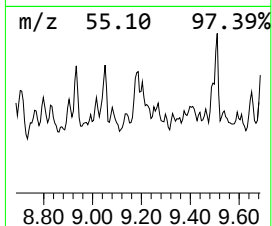
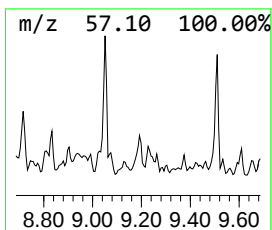
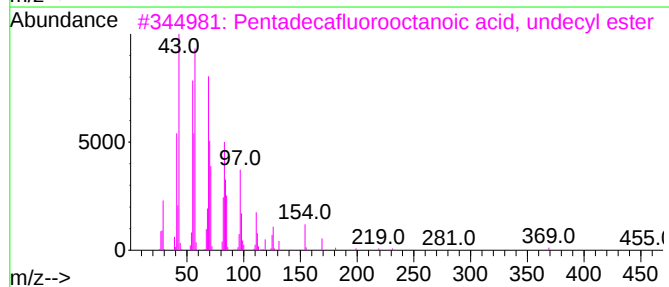
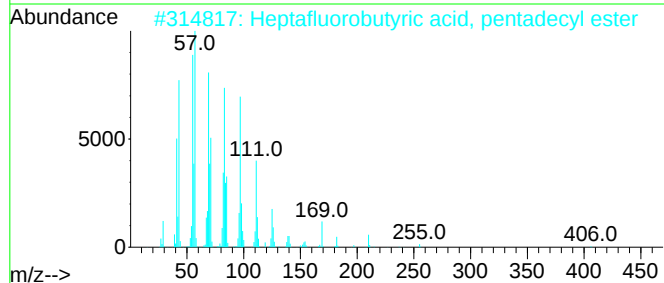
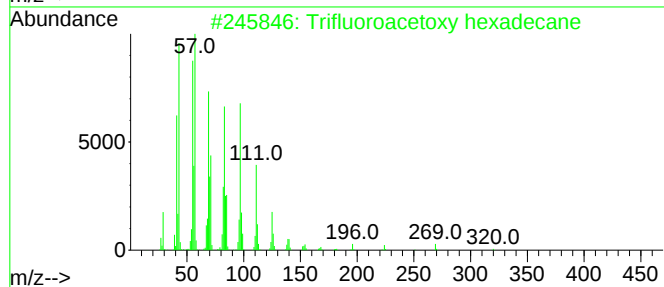
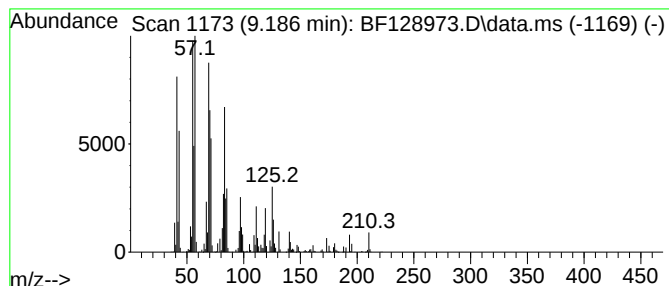
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Trifluoroacetoxy hexadecane Concentration Rank 10

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.186 | 33.71 ng | 2676500 | Acenaphthene-d10 | 9.780 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|------|-------------------------------------|-----|-------------|--------------|------|
| 1    |      | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2  | 006222-03-3  | 64   |
| 2    |      | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2  | 959261-23-5  | 64   |
| 3    |      | Pentadecafluorooctanoic acid, un... | 568 | C19H23F15O2 | 1010406-04-1 | 58   |
| 4    |      | 9-Octadecene, (E)-                  | 252 | C18H36      | 007206-25-9  | 52   |
| 5    |      | 4-Decene                            | 140 | C10H20      | 019689-18-0  | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

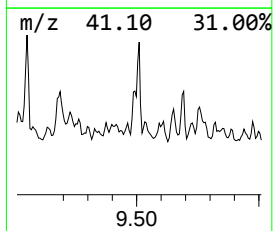
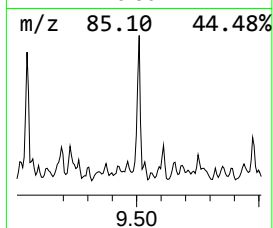
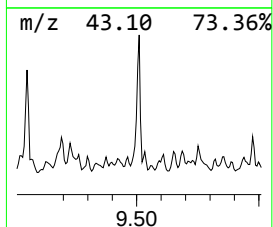
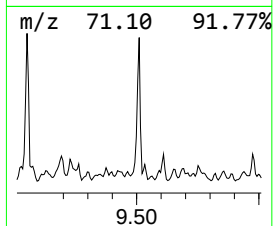
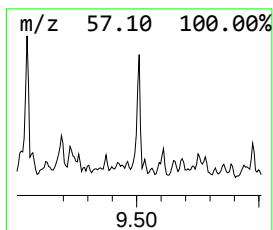
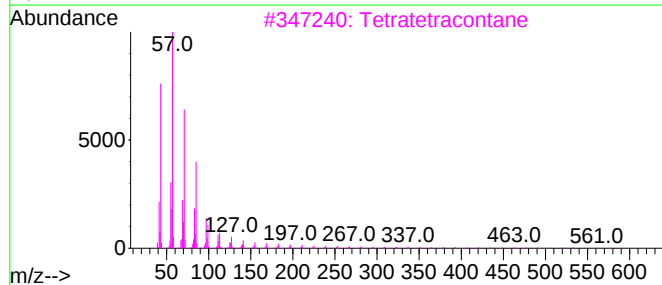
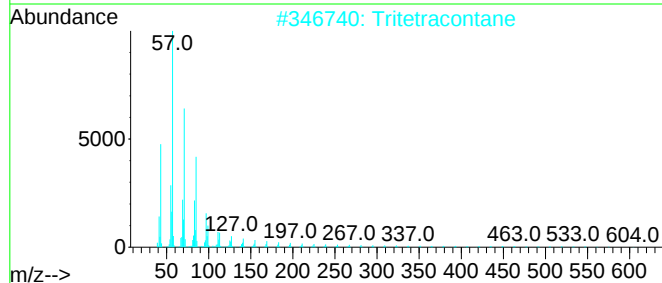
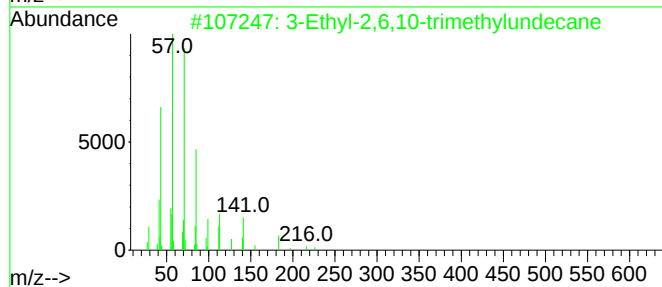
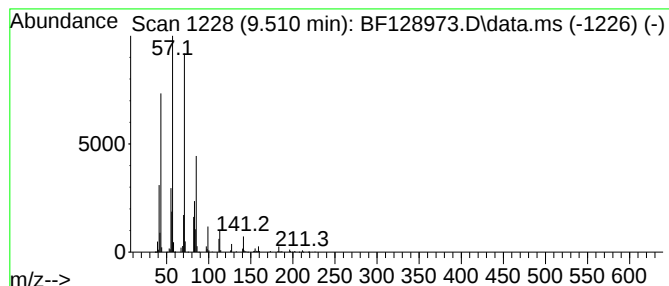
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Peak Number 11 3-Ethyl-2,6,10-trimethylund... Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.510 | 38.33 ng | 3042890 | Acenaphthene-d10 | 9.780 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm     | CAS#         | Qual |
|------|------|------------------------------------|-----|-------------|--------------|------|
| 1    |      | 3-Ethyl-2,6,10-trimethylundecane   | 226 | C16H34      | 1000432-25-9 | 91   |
| 2    |      | Tritetracontane                    | 605 | C43H88      | 007098-21-7  | 90   |
| 3    |      | Tetratetracontane                  | 619 | C44H90      | 007098-22-8  | 90   |
| 4    |      | 1-Octadecanesulphonyl chloride     | 352 | C18H37ClO2S | 1000342-70-4 | 90   |
| 5    |      | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3    | 1000382-54-3 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

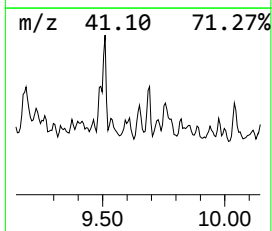
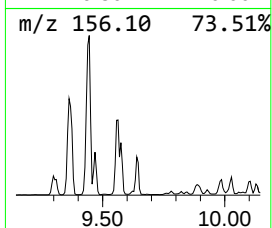
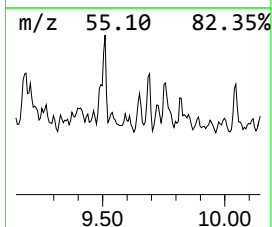
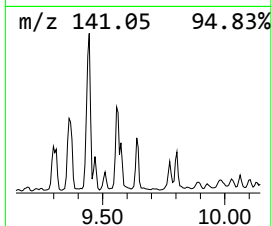
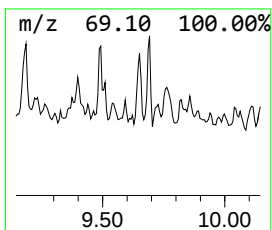
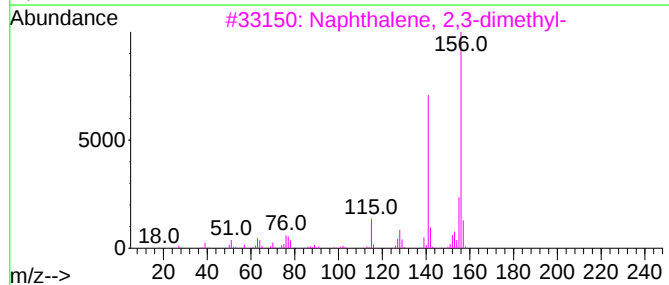
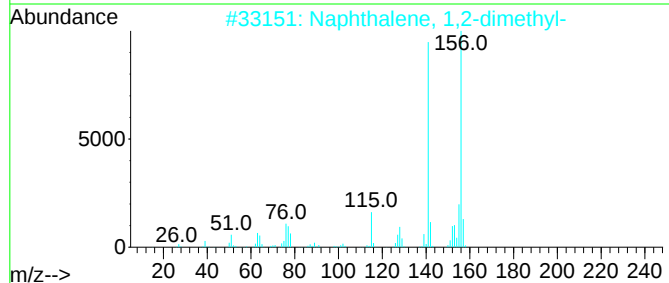
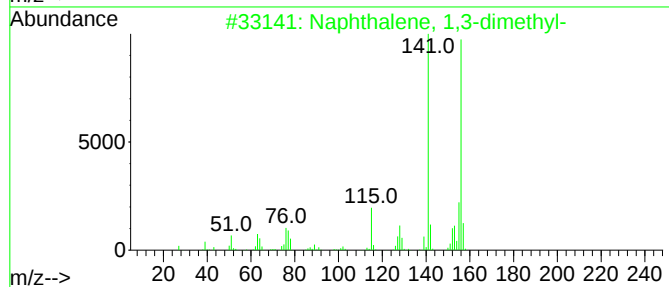
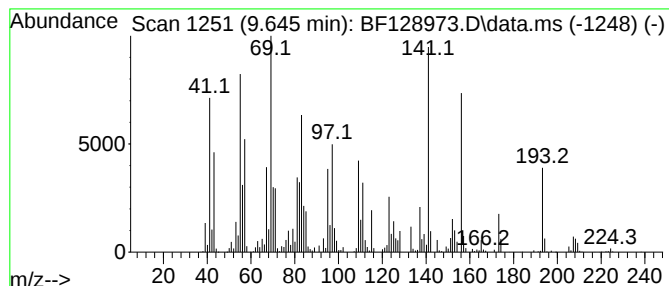
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 unknown9.645 Concentration Rank 14

| R.T.      | EstConc                    | Area    | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|---------|------------------|-------------|------|
| 9.645     | 28.43 ng                   | 2257450 | Acenaphthene-d10 | 9.780       |      |
| Hit# of 5 | Tentative ID               | MW      | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 1,3-dimethyl- | 156     | C12H12           | 000575-41-7 | 47   |
| 2         | Naphthalene, 1,2-dimethyl- | 156     | C12H12           | 000573-98-8 | 47   |
| 3         | Naphthalene, 2,3-dimethyl- | 156     | C12H12           | 000581-40-8 | 38   |
| 4         | Naphthalene, 1,4-dimethyl- | 156     | C12H12           | 000571-58-4 | 38   |
| 5         | Naphthalene, 2,6-dimethyl- | 156     | C12H12           | 000581-42-0 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

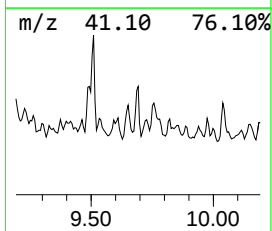
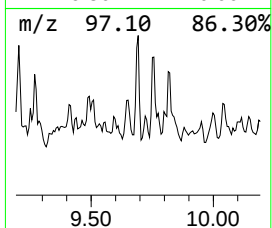
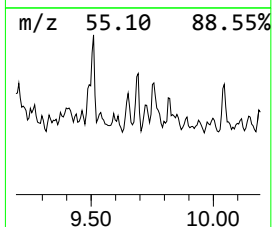
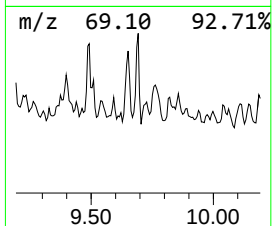
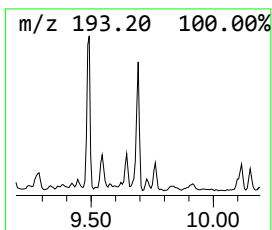
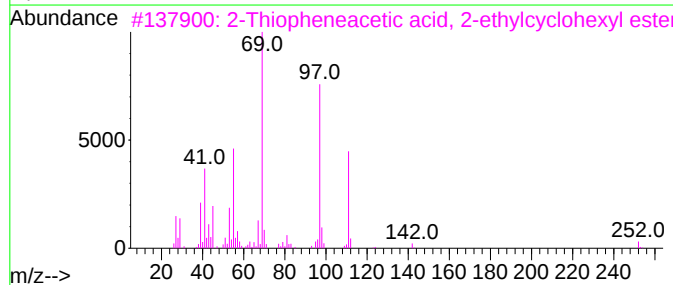
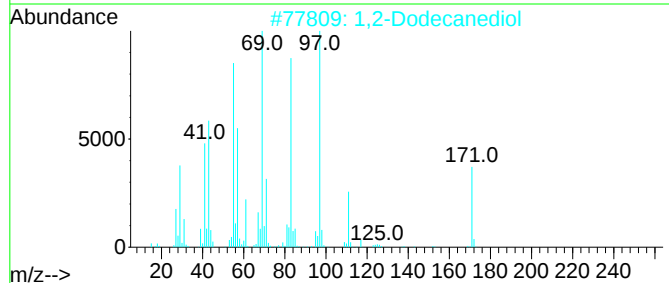
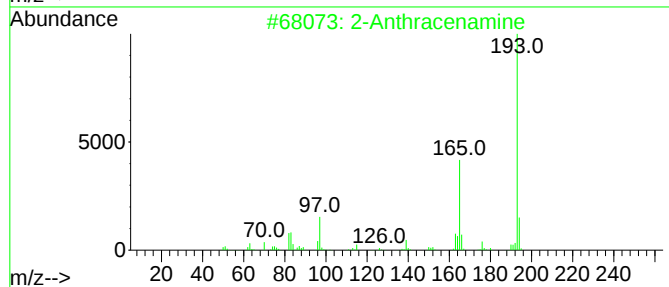
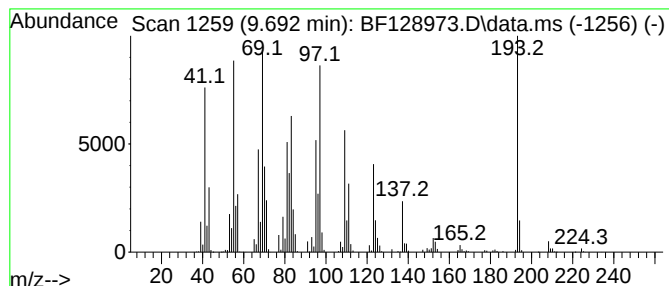
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 unknown9.692 Concentration Rank 12

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.692 | 29.00 ng | 2302220 | Acenaphthene-d10 | 9.780 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|------|-------------------------------------|-----|-----------|--------------|------|
| 1    | 2    | Anthracenamine                      | 193 | C14H11N   | 000613-13-8  | 41   |
| 2    | 1,2  | Dodecanediol                        | 202 | C12H26O2  | 001119-87-5  | 27   |
| 3    | 2    | Thiopheneacetic acid, 2-ethylc...   | 252 | C14H20O2S | 1000278-96-1 | 27   |
| 4    | 4    | Hexen-3-one, 4,5-dimethyl-          | 126 | C8H14O    | 017325-90-5  | 25   |
| 5    |      | Cyclohexane, 1,2-dimethyl-3-pent... | 224 | C16H32    | 062376-17-4  | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

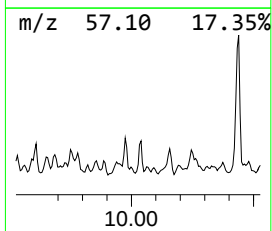
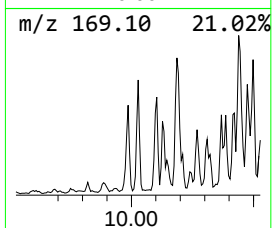
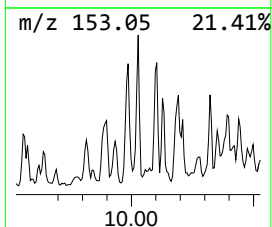
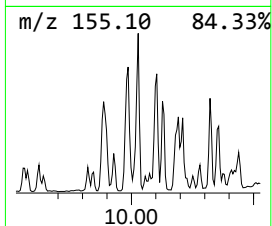
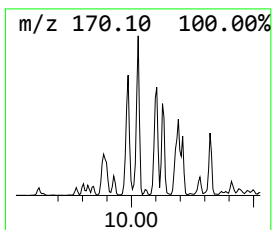
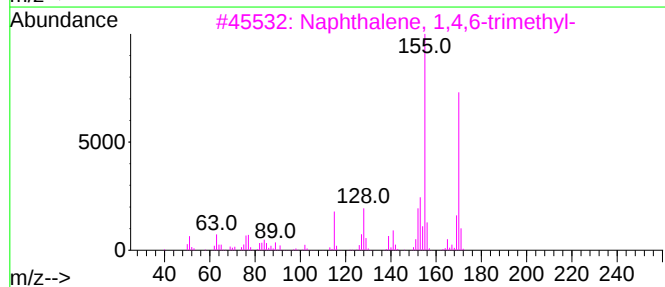
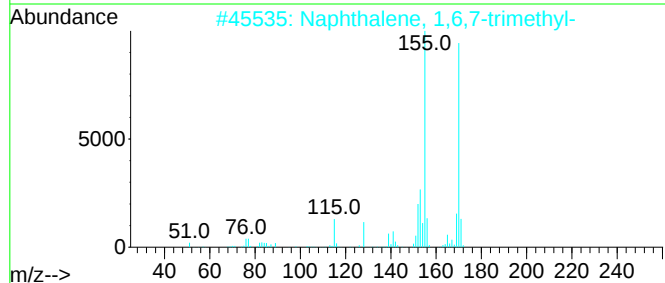
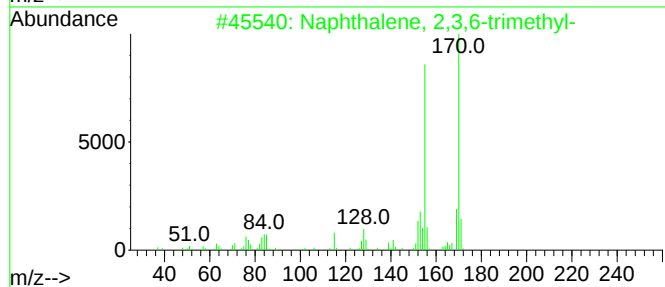
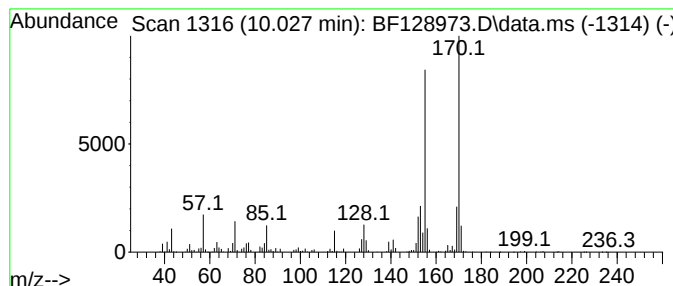
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 7

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.  |
|--------|----------|---------|------------------|-------|
| 10.028 | 42.15 ng | 3346510 | Acenaphthene-d10 | 9.780 |

| Hit# | of 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 97   |
| 2    |      | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 97   |
| 3    |      | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 96   |
| 4    |      | 4,6,8-Trimethylazulene        | 170 | C13H14  | 000941-81-1 | 93   |
| 5    |      | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

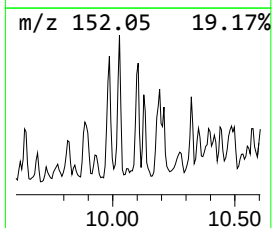
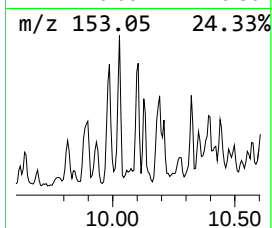
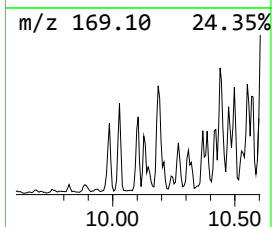
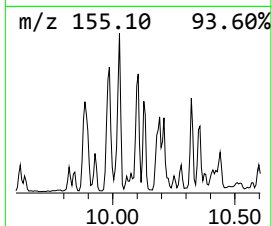
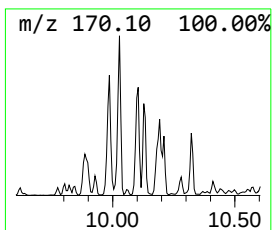
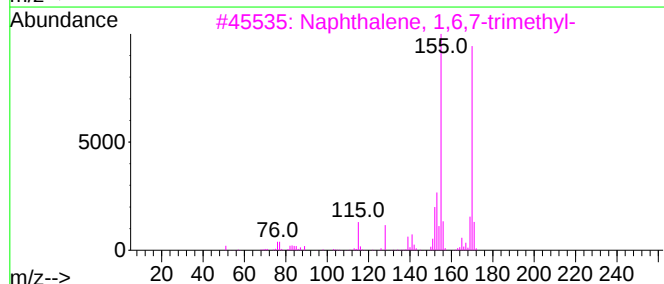
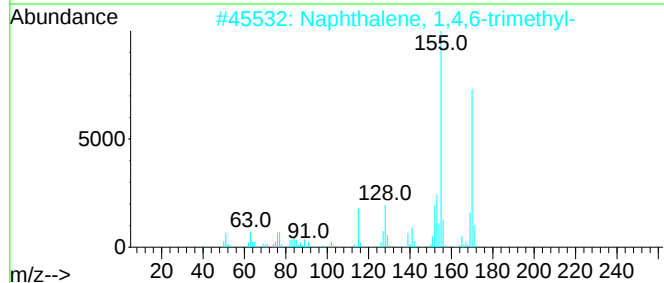
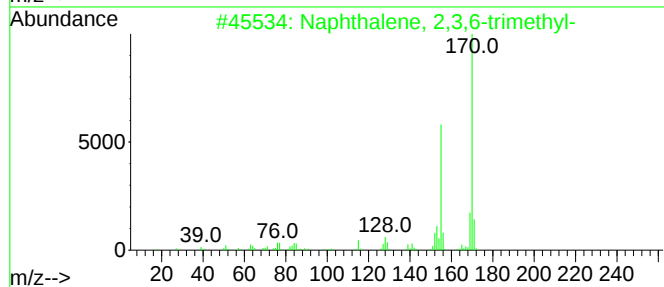
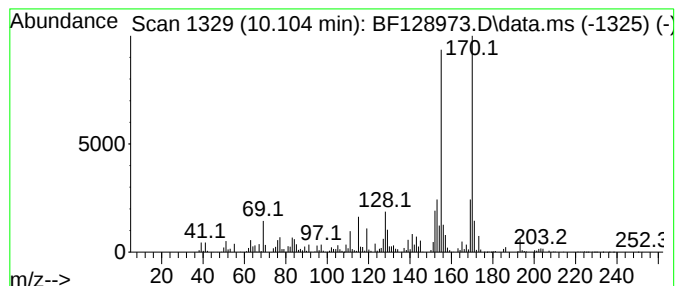
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 13

| R.T.      | EstConc                         | Area    | Relative to ISTD | R.T.         |      |
|-----------|---------------------------------|---------|------------------|--------------|------|
| 10.104    | 28.54 ng                        | 2265860 | Acenaphthene-d10 | 9.780        |      |
| Hit# of 5 | Tentative ID                    | MW      | MolForm          | CAS#         | Qual |
| 1         | Naphthalene, 2,3,6-trimethyl-   | 170     | C13H14           | 000829-26-5  | 97   |
| 2         | Naphthalene, 1,4,6-trimethyl-   | 170     | C13H14           | 002131-42-2  | 97   |
| 3         | Naphthalene, 1,6,7-trimethyl-   | 170     | C13H14           | 002245-38-7  | 96   |
| 4         | 4,6,8-Trimethylazulene          | 170     | C13H14           | 000941-81-1  | 94   |
| 5         | 3-(2-Methyl-propenyl)-1H-indene | 170     | C13H14           | 1000187-78-5 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

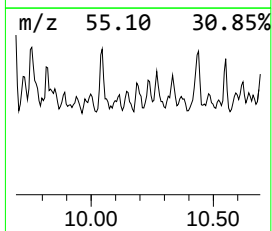
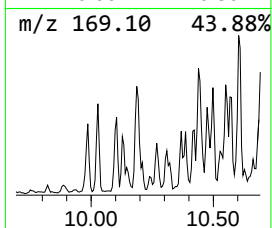
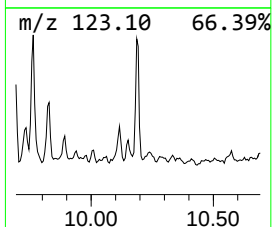
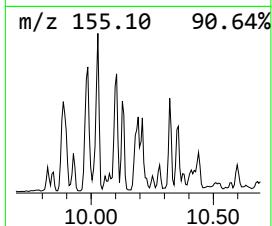
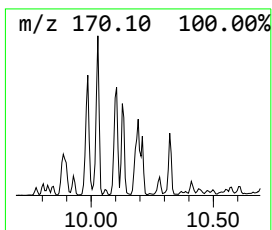
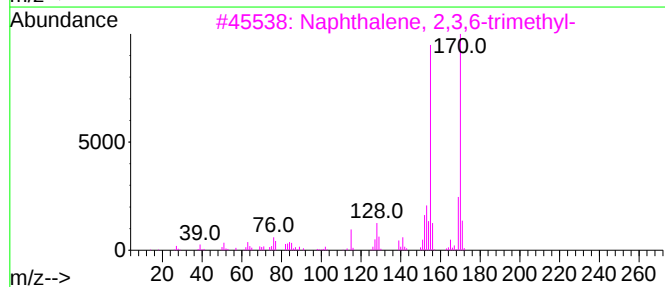
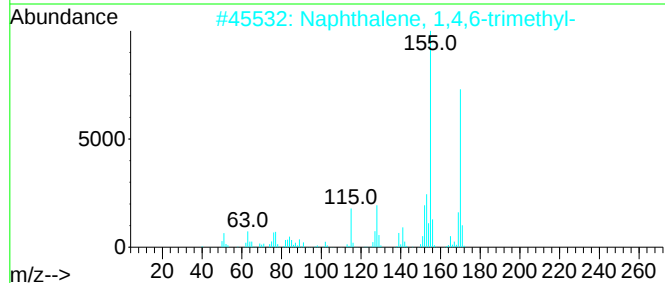
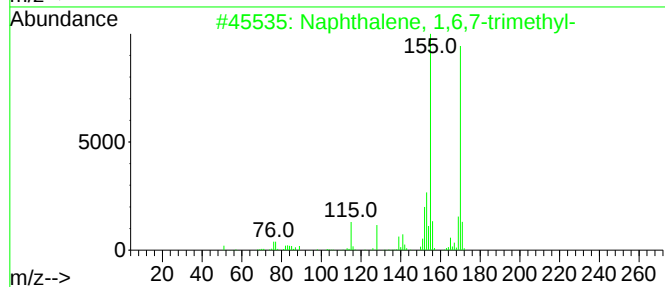
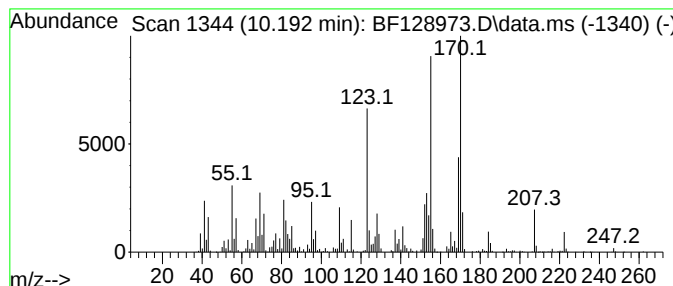
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

| R.T.      | EstConc                       | Area    | Relative to ISTD |         |             | R.T.  |
|-----------|-------------------------------|---------|------------------|---------|-------------|-------|
| 10.192    | 30.73 ng                      | 2439940 | Acenaphthene-d10 |         |             | 9.780 |
| Hit# of 5 | Tentative ID                  |         | MW               | MolForm | CAS#        | Qual  |
| 1         | Naphthalene, 1,6,7-trimethyl- |         | 170              | C13H14  | 002245-38-7 | 93    |
| 2         | Naphthalene, 1,4,6-trimethyl- |         | 170              | C13H14  | 002131-42-2 | 92    |
| 3         | Naphthalene, 2,3,6-trimethyl- |         | 170              | C13H14  | 000829-26-5 | 91    |
| 4         | Naphthalene, 1,4,5-trimethyl- |         | 170              | C13H14  | 002131-41-1 | 91    |
| 5         | 4,6,8-Trimethylazulene        |         | 170              | C13H14  | 000941-81-1 | 78    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

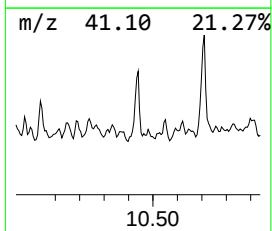
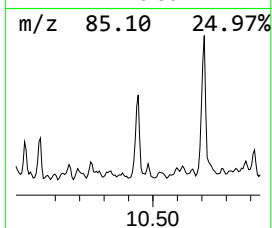
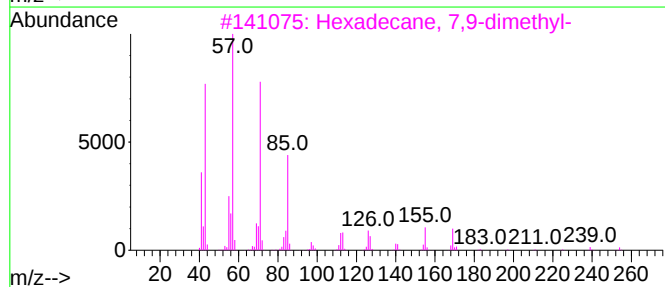
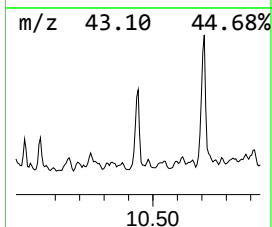
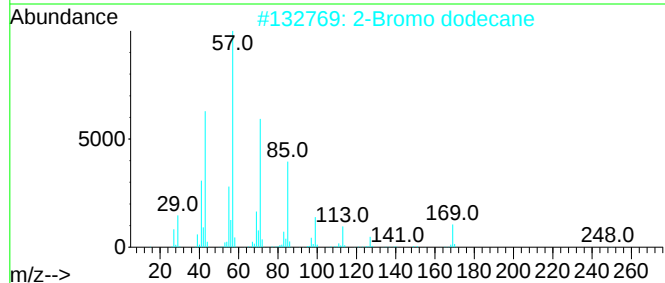
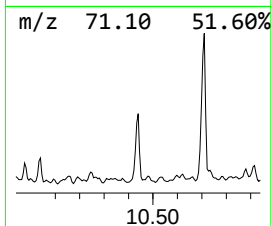
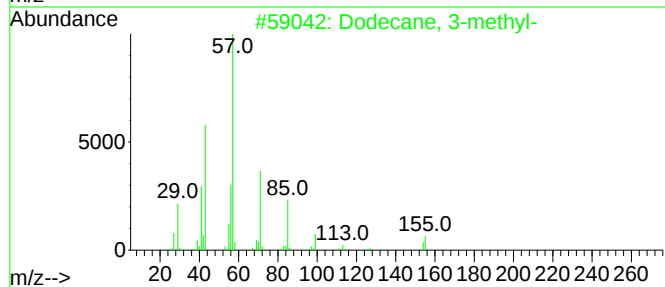
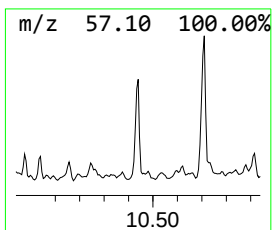
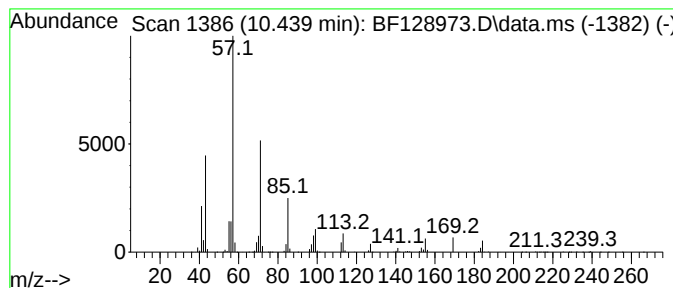
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 Dodecane, 3-methyl- Concentration Rank 3

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.  |
|--------|----------|---------|------------------|-------|
| 10.439 | 45.26 ng | 3593210 | Acenaphthene-d10 | 9.780 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | Dodecane, 3-methyl-                 | 184 | C13H28   | 017312-57-1 | 80   |
| 2    |      | 2-Bromo dodecane                    | 248 | C12H25Br | 013187-99-0 | 72   |
| 3    |      | Hexadecane, 7,9-dimethyl-           | 254 | C18H38   | 021164-95-4 | 64   |
| 4    |      | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44   | 054833-48-6 | 64   |
| 5    |      | Dodecane, 4,9-dipropyl-             | 254 | C18H38   | 003054-63-5 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

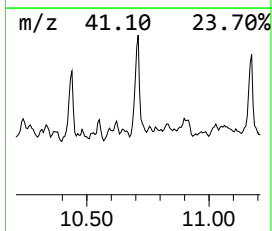
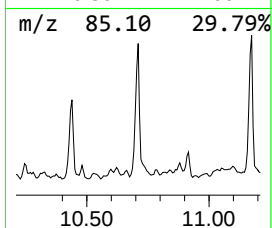
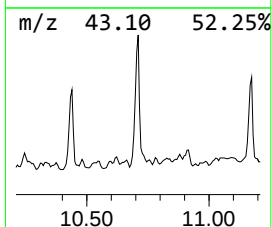
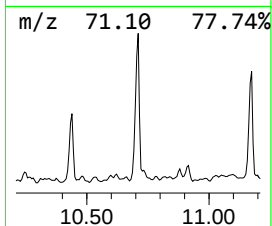
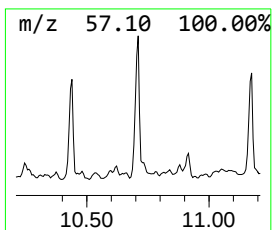
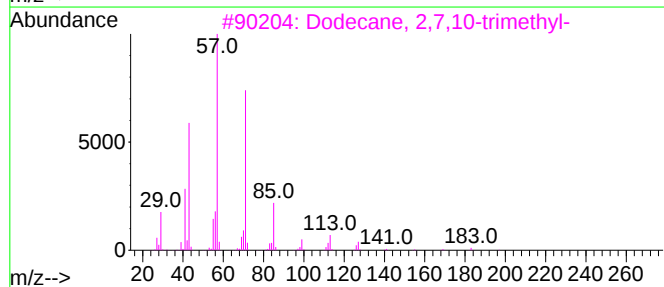
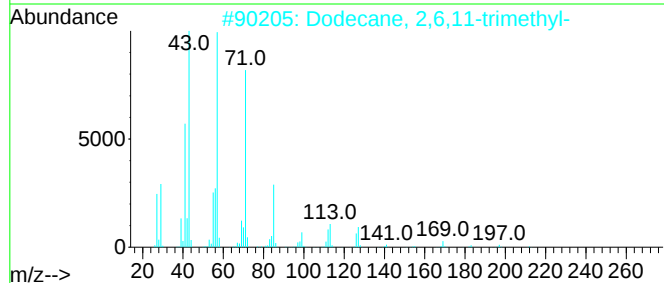
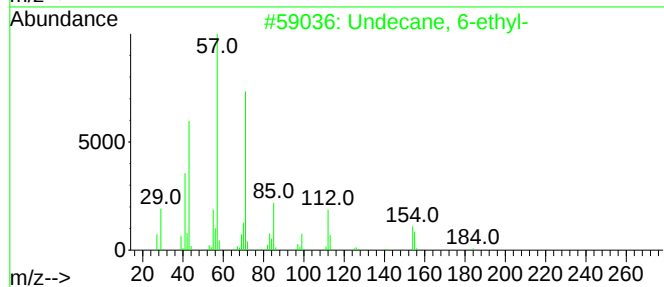
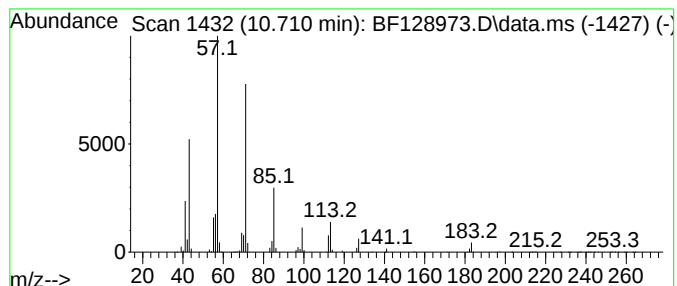
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.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 Undecane, 6-ethyl- Concentration Rank 15

| R.T.      | EstConc                     | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|-----------------------------|---------|------------------|---------|-------------|------|
| 10.710    | 28.28 ng                    | 6434100 | Phenanthrene-d10 |         | 11.269      |      |
| Hit# of 5 | Tentative ID                |         | MW               | MolForm | CAS#        | Qual |
| 1         | Undecane, 6-ethyl-          |         | 184              | C13H28  | 017312-60-6 | 78   |
| 2         | Dodecane, 2,6,11-trimethyl- |         | 212              | C15H32  | 031295-56-4 | 64   |
| 3         | Dodecane, 2,7,10-trimethyl- |         | 212              | C15H32  | 074645-98-0 | 64   |
| 4         | Decane, 1-iodo-             |         | 268              | C10H21I | 002050-77-3 | 53   |
| 5         | Pentane, 2,3,3-trimethyl-   |         | 114              | C8H18   | 000560-21-4 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

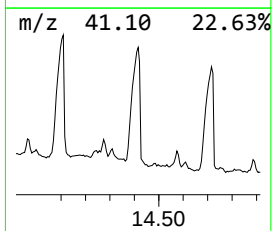
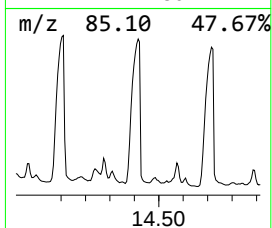
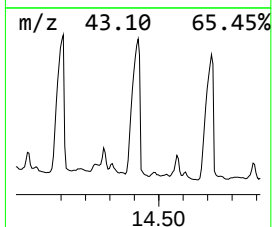
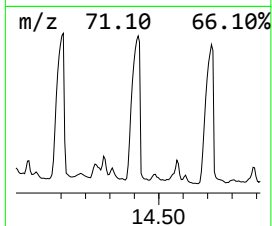
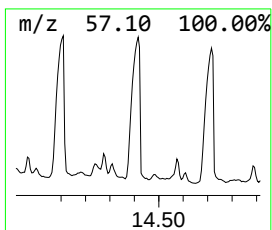
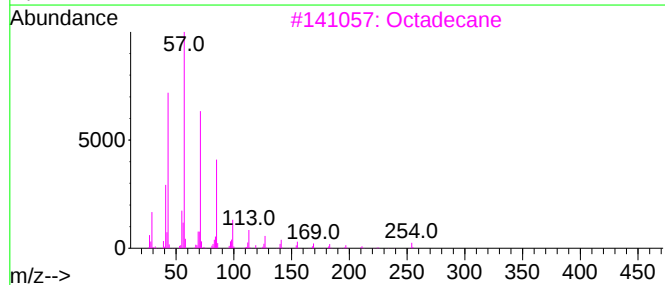
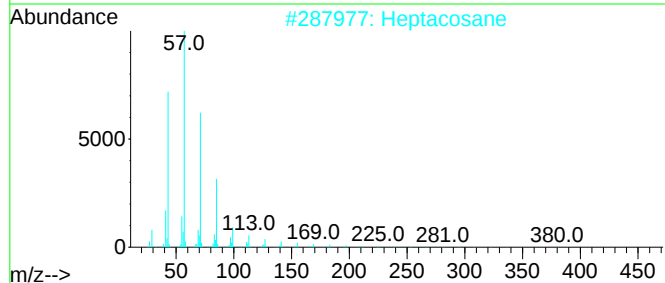
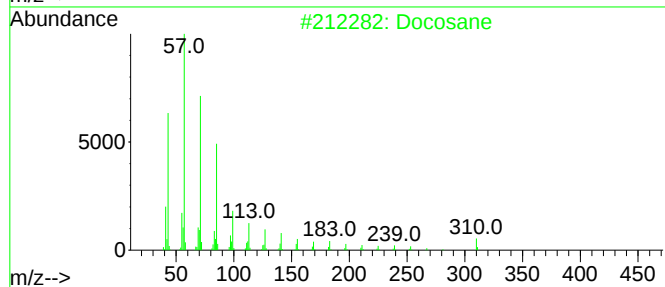
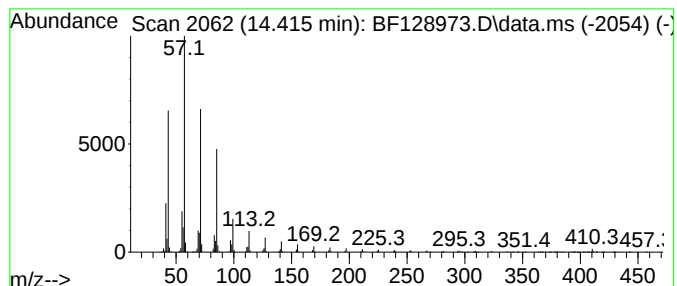
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WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.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 19 Docosane Concentration Rank 20

| R.T.      | EstConc      | Area     | Relative to ISTD |         | R.T.        |      |
|-----------|--------------|----------|------------------|---------|-------------|------|
| 14.415    | 24.68 ng     | 15827900 | Chrysene-d12     |         | 13.921      |      |
| Hit# of 5 | Tentative ID |          | MW               | MolForm | CAS#        | Qual |
| 1         | Docosane     |          | 310              | C22H46  | 000629-97-0 | 98   |
| 2         | Heptacosane  |          | 380              | C27H56  | 000593-49-7 | 97   |
| 3         | Octadecane   |          | 254              | C18H38  | 000593-45-3 | 91   |
| 4         | Tetracosane  |          | 338              | C24H50  | 000646-31-1 | 90   |
| 5         | Hexadecane   |          | 226              | C16H34  | 000544-76-3 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128973.D  
Acq On : 24 Jun 2022 01:27  
Operator : CG\JU  
Sample : N3431-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

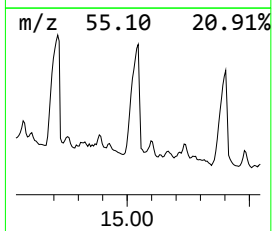
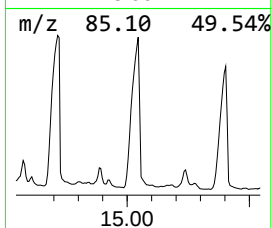
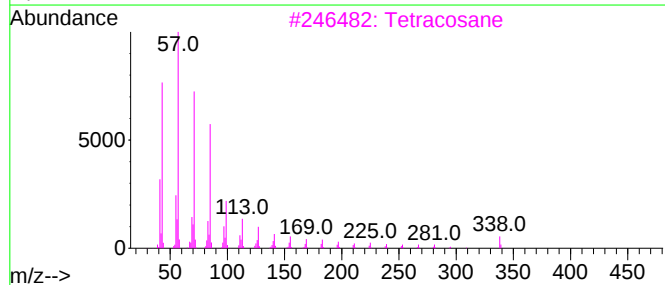
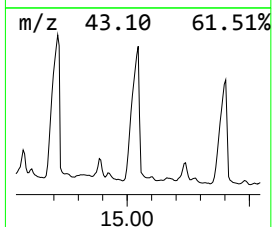
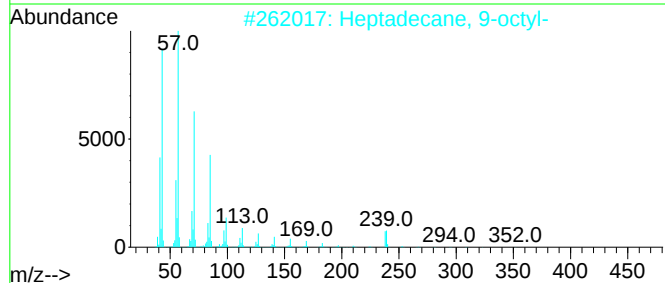
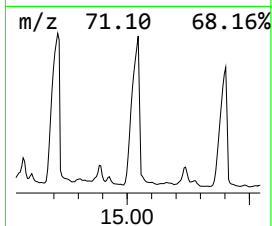
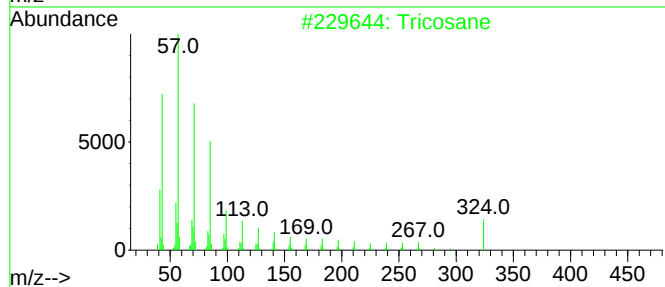
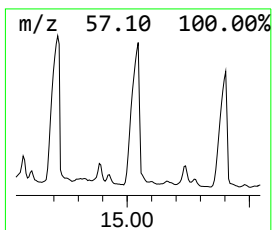
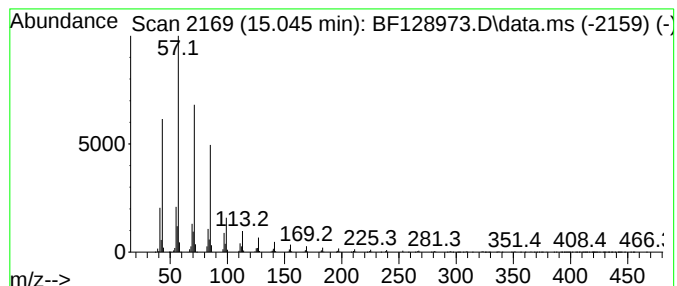
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Tricosane Concentration Rank 16

| R.T.   | EstConc  | Area     | Relative to ISTD | R.T.   |
|--------|----------|----------|------------------|--------|
| 15.045 | 26.52 ng | 15851000 | Perylene-d12     | 15.374 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Tricosane             | 324 | C23H48  | 000638-67-5 | 97   |
| 2    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 95   |
| 3    |    |   | Tetracosane           | 338 | C24H50  | 000646-31-1 | 95   |
| 4    |    |   | 2-Methyltetracosane   | 352 | C25H52  | 001560-78-7 | 93   |
| 5    |    |   | Docosane              | 310 | C22H46  | 000629-97-0 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
 Data File : BF128973.D  
 Acq On : 24 Jun 2022 01:27  
 Operator : CG\JU  
 Sample : N3431-07  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-14B-2-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.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 |
| Cyclohexane, 1-... | 5.740  | 26.3    | ng    | 4188260  | 1                     | 6.734  | 3183650  | 20.0 |
| unknown5.881       | 5.881  | 35.9    | ng    | 5719140  | 1                     | 6.734  | 3183650  | 20.0 |
| unknown5.981       | 5.981  | 60.4    | ng    | 9609820  | 1                     | 6.734  | 3183650  | 20.0 |
| unknown6.169       | 6.169  | 43.9    | ng    | 6981180  | 1                     | 6.734  | 3183650  | 20.0 |
| Cyclohexane, 1-... | 6.263  | 45.4    | ng    | 7219890  | 1                     | 6.734  | 3183650  | 20.0 |
| Cyclohexane, 1-... | 6.481  | 45.0    | ng    | 7158590  | 1                     | 6.734  | 3183650  | 20.0 |
| Cyclohexane, bu... | 6.886  | 43.2    | ng    | 6872850  | 1                     | 6.734  | 3183650  | 20.0 |
| 1-Undecene, 8-m... | 7.010  | 26.0    | ng    | 4144920  | 1                     | 6.734  | 3183650  | 20.0 |
| Heptane, 5-ethy... | 8.451  | 24.9    | ng    | 4698860  | 2                     | 8.022  | 3773400  | 20.0 |
| Trifluoroacetox... | 9.186  | 33.7    | ng    | 2676500  | 3                     | 9.780  | 1587920  | 20.0 |
| 3-Ethyl-2,6,10-... | 9.510  | 38.3    | ng    | 3042890  | 3                     | 9.780  | 1587920  | 20.0 |
| unknown9.645       | 9.645  | 28.4    | ng    | 2257450  | 3                     | 9.780  | 1587920  | 20.0 |
| unknown9.692       | 9.692  | 29.0    | ng    | 2302220  | 3                     | 9.780  | 1587920  | 20.0 |
| Naphthalene, 2,... | 10.028 | 42.1    | ng    | 3346510  | 3                     | 9.780  | 1587920  | 20.0 |
| Naphthalene, 1,... | 10.104 | 28.5    | ng    | 2265860  | 3                     | 9.780  | 1587920  | 20.0 |
| Naphthalene, 1,... | 10.192 | 30.7    | ng    | 2439940  | 3                     | 9.780  | 1587920  | 20.0 |
| Dodecane, 3-met... | 10.439 | 45.3    | ng    | 3593210  | 3                     | 9.780  | 1587920  | 20.0 |
| Undecane, 6-ethyl- | 10.710 | 28.3    | ng    | 6434100  | 4                     | 11.269 | 4550670  | 20.0 |
| Docosane           | 14.415 | 24.7    | ng    | 15827900 | 5                     | 13.921 | 12826100 | 20.0 |
| Tricosane          | 15.045 | 26.5    | ng    | 15851000 | 6                     | 15.374 | 11953900 | 20.0 |