

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF090220\  
 Data File : BF121520.D  
 Acq On : 2 Sep 2020 18:28  
 Operator : JU/CG  
 Sample : L3828-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 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-BF082720.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.175       | 4             | 15          | 22           | rVB      | 4301431        | 6548715       | 100.00%         | 4.708%        |
| 2         | 5.457       | 569           | 573         | 577          | rBV      | 1361235        | 1172852       | 17.91%          | 0.843%        |
| 3         | 6.181       | 693           | 696         | 700          | rBV      | 377185         | 328899        | 5.02%           | 0.236%        |
| 4         | 6.287       | 709           | 714         | 717          | rBV      | 377676         | 392371        | 5.99%           | 0.282%        |
| 5         | 6.328       | 717           | 721         | 723          | rBV      | 366049         | 418263        | 6.39%           | 0.301%        |
| 6         | 6.375       | 726           | 729         | 733          | rBV2     | 589504         | 826229        | 12.62%          | 0.594%        |
| 7         | 6.463       | 741           | 744         | 748          | rVB      | 1396753        | 1179099       | 18.01%          | 0.848%        |
| 8         | 6.587       | 761           | 765         | 767          | rBV      | 851359         | 989777        | 15.11%          | 0.712%        |
| 9         | 6.604       | 767           | 768         | 770          | rVV2     | 889858         | 693749        | 10.59%          | 0.499%        |
| 10        | 6.704       | 783           | 785         | 788          | rVB      | 442413         | 373243        | 5.70%           | 0.268%        |
| 11        | 6.775       | 792           | 797         | 801          | rBV4     | 220403         | 447359        | 6.83%           | 0.322%        |
| 12        | 6.845       | 805           | 809         | 810          | rVV      | 1740701        | 1909178       | 29.15%          | 1.373%        |
| 13        | 6.857       | 810           | 811         | 815          | rVB      | 1668984        | 1332619       | 20.35%          | 0.958%        |
| 14        | 6.904       | 815           | 819         | 822          | rBV3     | 852606         | 985583        | 15.05%          | 0.709%        |
| 15        | 6.940       | 822           | 825         | 827          | rBV2     | 363205         | 383123        | 5.85%           | 0.275%        |
| 16        | 6.963       | 827           | 829         | 831          | rVB      | 450606         | 346618        | 5.29%           | 0.249%        |
| 17        | 6.993       | 831           | 834         | 838          | rBV      | 1838392        | 1576096       | 24.07%          | 1.133%        |
| 18        | 7.028       | 838           | 840         | 842          | rVB      | 590500         | 431708        | 6.59%           | 0.310%        |
| 19        | 7.075       | 846           | 848         | 850          | rBV2     | 445273         | 369903        | 5.65%           | 0.266%        |
| 20        | 7.122       | 850           | 856         | 858          | rBV2     | 1090614        | 1216743       | 18.58%          | 0.875%        |
| 21        | 7.151       | 858           | 861         | 864          | rVB2     | 984911         | 891128        | 13.61%          | 0.641%        |
| 22        | 7.187       | 864           | 867         | 870          | rBV2     | 1060466        | 1179280       | 18.01%          | 0.848%        |
| 23        | 7.240       | 871           | 876         | 879          | rBV2     | 1735752        | 2050646       | 31.31%          | 1.474%        |
| 24        | 7.275       | 879           | 882         | 886          | rVB3     | 335029         | 508023        | 7.76%           | 0.365%        |
| 25        | 7.322       | 887           | 890         | 894          | rVB2     | 356223         | 360452        | 5.50%           | 0.259%        |
| 26        | 7.404       | 894           | 904         | 906          | rBV2     | 3120132        | 4928672       | 75.26%          | 3.543%        |
| 27        | 7.422       | 906           | 907         | 909          | rVB      | 486473         | 302573        | 4.62%           | 0.218%        |
| 28        | 7.445       | 909           | 911         | 914          | rVB2     | 355823         | 369113        | 5.64%           | 0.265%        |
| 29        | 7.492       | 914           | 919         | 922          | rVB4     | 1082536        | 1865352       | 28.48%          | 1.341%        |
| 30        | 7.557       | 922           | 930         | 932          | rBV3     | 734024         | 1633533       | 24.94%          | 1.174%        |
| 31        | 7.628       | 939           | 942         | 944          | rBV      | 1003863        | 944056        | 14.42%          | 0.679%        |
| 32        | 7.651       | 944           | 946         | 949          | rVB      | 1840071        | 1623877       | 24.80%          | 1.167%        |
| 33        | 7.745       | 954           | 962         | 964          | rBV3     | 1106390        | 1849076       | 28.24%          | 1.329%        |
| 34        | 7.769       | 964           | 966         | 969          | rVB3     | 1514457        | 1234007       | 18.84%          | 0.887%        |

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Instrument :  
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Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 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-BF082720.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |       |      |      |      |      |         |         |        |        |
|----|-------|------|------|------|------|---------|---------|--------|--------|
| 35 | 7.816 | 969  | 974  | 976  | rBV2 | 1071202 | 1435224 | 21.92% | 1.032% |
| 36 | 7.845 | 976  | 979  | 981  | rVB2 | 922554  | 876727  | 13.39% | 0.630% |
| 37 | 7.881 | 981  | 985  | 988  | rBV  | 1475918 | 1543781 | 23.57% | 1.110% |
| 38 | 7.922 | 988  | 992  | 994  | rBV2 | 1146039 | 1024557 | 15.65% | 0.737% |
| 39 | 7.951 | 994  | 997  | 1002 | rVB3 | 386532  | 550946  | 8.41%  | 0.396% |
| 40 | 7.998 | 1002 | 1005 | 1008 | rBV3 | 412577  | 568892  | 8.69%  | 0.409% |
| 41 | 8.034 | 1008 | 1011 | 1014 | rVB2 | 464665  | 393842  | 6.01%  | 0.283% |
| 42 | 8.081 | 1014 | 1019 | 1021 | rBV4 | 563926  | 914244  | 13.96% | 0.657% |
| 43 | 8.110 | 1021 | 1024 | 1025 | rVV  | 1603648 | 1425058 | 21.76% | 1.025% |
| 44 | 8.128 | 1025 | 1027 | 1030 | rVB  | 2594539 | 2189052 | 33.43% | 1.574% |
| 45 | 8.192 | 1033 | 1038 | 1040 | rVB  | 2866755 | 3085781 | 47.12% | 2.219% |
| 46 | 8.222 | 1040 | 1043 | 1050 | rVB5 | 778392  | 1282340 | 19.58% | 0.922% |
| 47 | 8.281 | 1050 | 1053 | 1055 | rBV3 | 304258  | 344735  | 5.26%  | 0.248% |
| 48 | 8.334 | 1059 | 1062 | 1064 | rVB3 | 439352  | 424598  | 6.48%  | 0.305% |
| 49 | 8.357 | 1064 | 1066 | 1070 | rVB4 | 410181  | 533196  | 8.14%  | 0.383% |
| 50 | 8.422 | 1070 | 1077 | 1079 | rBV3 | 1824407 | 2788683 | 42.58% | 2.005% |
| 51 | 8.475 | 1083 | 1086 | 1088 | rVB2 | 922921  | 781403  | 11.93% | 0.562% |
| 52 | 8.504 | 1088 | 1091 | 1095 | rVB2 | 1269062 | 1463678 | 22.35% | 1.052% |
| 53 | 8.551 | 1095 | 1099 | 1101 | rBV  | 3573284 | 3541580 | 54.08% | 2.546% |
| 54 | 8.634 | 1111 | 1113 | 1116 | rVB  | 357021  | 314599  | 4.80%  | 0.226% |
| 55 | 8.669 | 1116 | 1119 | 1122 | rBV3 | 484886  | 717214  | 10.95% | 0.516% |
| 56 | 8.722 | 1124 | 1128 | 1131 | rBV  | 2835268 | 2513552 | 38.38% | 1.807% |
| 57 | 8.816 | 1141 | 1144 | 1147 | rVB  | 1240689 | 1446575 | 22.09% | 1.040% |
| 58 | 8.904 | 1156 | 1159 | 1163 | rVV3 | 534855  | 539922  | 8.24%  | 0.388% |
| 59 | 9.004 | 1173 | 1176 | 1180 | rBV3 | 1052078 | 1574025 | 24.04% | 1.132% |
| 60 | 9.087 | 1186 | 1190 | 1193 | rBV  | 1189966 | 1196711 | 18.27% | 0.860% |
| 61 | 9.128 | 1193 | 1197 | 1198 | rVV  | 992785  | 967526  | 14.77% | 0.696% |
| 62 | 9.151 | 1198 | 1201 | 1204 | rVB  | 2985041 | 2555768 | 39.03% | 1.837% |
| 63 | 9.204 | 1204 | 1210 | 1212 | rVB  | 4612212 | 5076935 | 77.53% | 3.650% |
| 64 | 9.245 | 1212 | 1217 | 1219 | rBV2 | 439551  | 511858  | 7.82%  | 0.368% |
| 65 | 9.287 | 1219 | 1224 | 1229 | rBV  | 3581236 | 4103618 | 62.66% | 2.950% |
| 66 | 9.328 | 1229 | 1231 | 1234 | rVB2 | 376359  | 338994  | 5.18%  | 0.244% |
| 67 | 9.539 | 1265 | 1267 | 1269 | rBV2 | 431864  | 362120  | 5.53%  | 0.260% |
| 68 | 9.563 | 1269 | 1271 | 1273 | rVB  | 505576  | 395305  | 6.04%  | 0.284% |
| 69 | 9.610 | 1273 | 1279 | 1281 | rBV2 | 2572365 | 4243417 | 64.80% | 3.051% |
| 70 | 9.663 | 1286 | 1288 | 1290 | rVB  | 616745  | 438865  | 6.70%  | 0.316% |
| 71 | 9.757 | 1300 | 1304 | 1306 | rBV2 | 359395  | 457913  | 6.99%  | 0.329% |

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Instrument :  
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 ClientSampleId :  
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Integration Parameters: rteint.p

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
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Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 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-BF082720.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 9.816  | 1306 | 1314 | 1318 | rVV  | 4194253 | 4671056 | 71.33% | 3.358% |
| 73  | 9.857  | 1318 | 1321 | 1322 | rVV2 | 651713  | 744798  | 11.37% | 0.535% |
| 74  | 9.881  | 1322 | 1325 | 1330 | rVB  | 2933930 | 2828156 | 43.19% | 2.033% |
| 75  | 10.045 | 1350 | 1353 | 1356 | rBV2 | 419059  | 597647  | 9.13%  | 0.430% |
| 76  | 10.075 | 1356 | 1358 | 1361 | rVV  | 688219  | 563875  | 8.61%  | 0.405% |
| 77  | 10.104 | 1361 | 1363 | 1365 | rVB  | 494792  | 340864  | 5.21%  | 0.245% |
| 78  | 10.139 | 1365 | 1369 | 1372 | rBV2 | 1188980 | 1500898 | 22.92% | 1.079% |
| 79  | 10.169 | 1372 | 1374 | 1377 | rVB  | 491368  | 443027  | 6.77%  | 0.319% |
| 80  | 10.257 | 1386 | 1389 | 1392 | rBV2 | 332028  | 358981  | 5.48%  | 0.258% |
| 81  | 10.316 | 1393 | 1399 | 1402 | rBV  | 3969284 | 3850131 | 58.79% | 2.768% |
| 82  | 10.533 | 1431 | 1436 | 1439 | rBV  | 1655104 | 1962691 | 29.97% | 1.411% |
| 83  | 10.616 | 1447 | 1450 | 1453 | rBV2 | 455091  | 578613  | 8.84%  | 0.416% |
| 84  | 10.663 | 1453 | 1458 | 1462 | rVB2 | 1243744 | 1515495 | 23.14% | 1.090% |
| 85  | 10.786 | 1476 | 1479 | 1497 | rVB  | 3000478 | 4756953 | 72.64% | 3.420% |
| 86  | 11.233 | 1552 | 1555 | 1558 | rBV  | 751983  | 598287  | 9.14%  | 0.430% |
| 87  | 11.263 | 1558 | 1560 | 1566 | rVB  | 451337  | 430718  | 6.58%  | 0.310% |
| 88  | 11.363 | 1572 | 1577 | 1580 | rBV  | 2585046 | 2491511 | 38.05% | 1.791% |
| 89  | 11.892 | 1664 | 1667 | 1674 | rVB2 | 395507  | 355195  | 5.42%  | 0.255% |
| 90  | 12.222 | 1717 | 1723 | 1729 | rVB  | 1202156 | 1156614 | 17.66% | 0.832% |
| 91  | 12.951 | 1843 | 1847 | 1850 | rVV  | 4472849 | 3872916 | 59.14% | 2.784% |
| 92  | 13.086 | 1866 | 1870 | 1874 | rVB  | 964556  | 778608  | 11.89% | 0.560% |
| 93  | 13.845 | 1996 | 1999 | 2008 | rVB  | 2890916 | 3103839 | 47.40% | 2.231% |
| 94  | 14.004 | 2019 | 2026 | 2029 | rBV  | 2482980 | 2551496 | 38.96% | 1.834% |
| 95  | 14.480 | 2104 | 2107 | 2114 | rVB  | 363386  | 446270  | 6.81%  | 0.321% |
| 96  | 15.463 | 2269 | 2274 | 2278 | rBV  | 1725904 | 2112470 | 32.26% | 1.519% |
| 97  | 15.933 | 2350 | 2354 | 2358 | rBV  | 240482  | 367037  | 5.60%  | 0.264% |
| 98  | 15.986 | 2358 | 2363 | 2372 | rVB  | 445183  | 804207  | 12.28% | 0.578% |
| 99  | 16.439 | 2433 | 2440 | 2445 | rBV2 | 142590  | 320158  | 4.89%  | 0.230% |
| 100 | 17.121 | 2552 | 2556 | 2576 | rVB4 | 116208  | 405175  | 6.19%  | 0.291% |

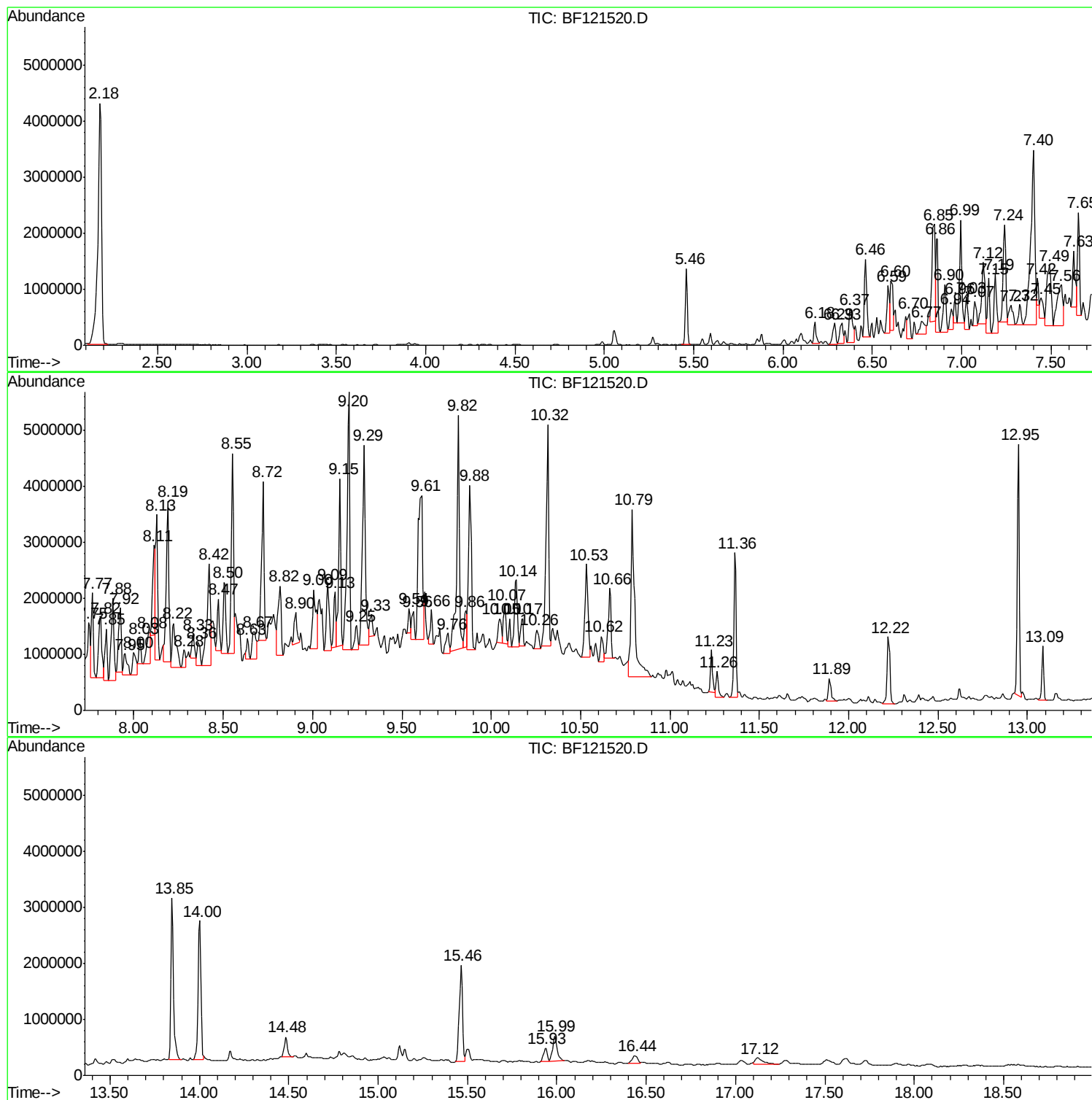
Sum of corrected areas: 139092835

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Instrument :  
BNA\_F  
ClientSampled :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
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Sample : L3828-05  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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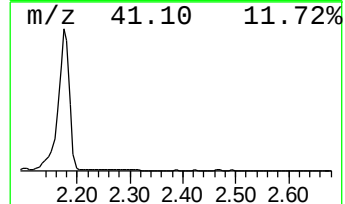
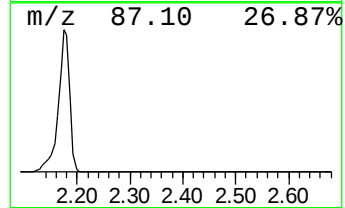
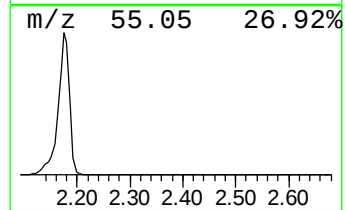
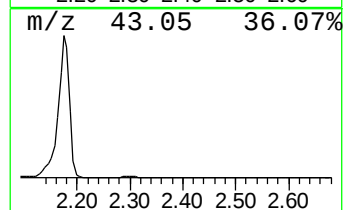
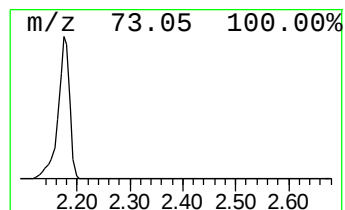
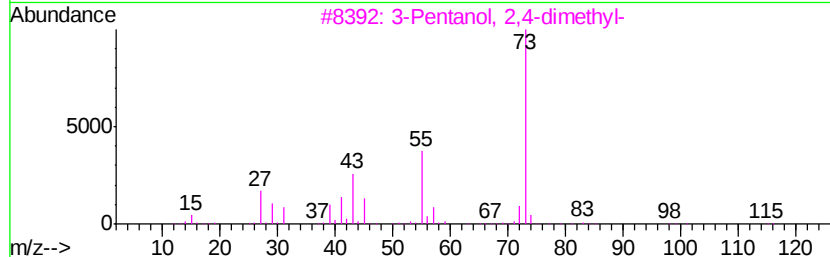
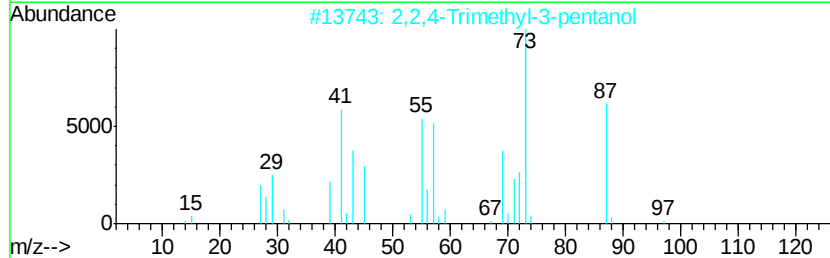
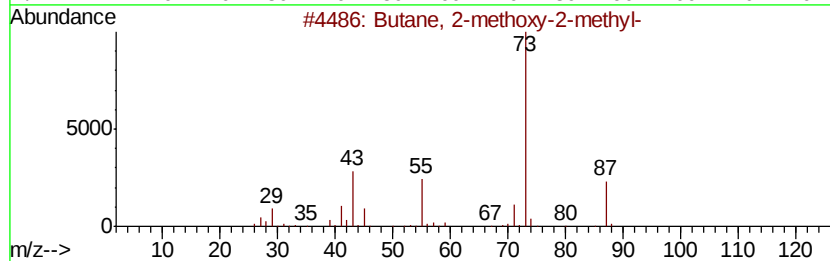
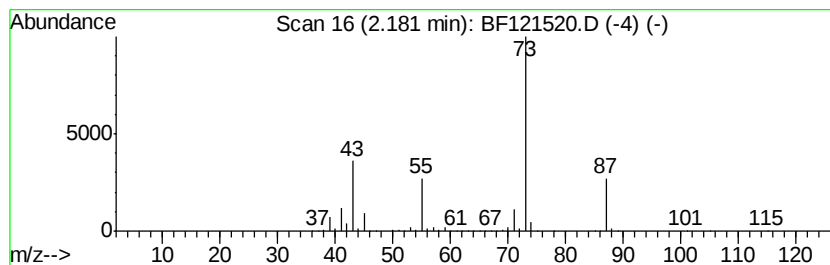
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 2.18 | 68.60 ng | 6548720 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    |   | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 37   |
| 4    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 5    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 22   |



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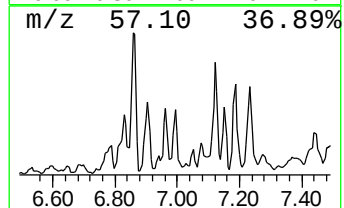
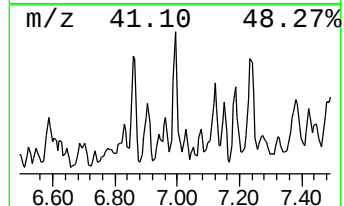
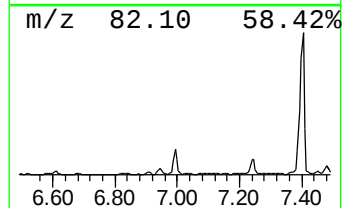
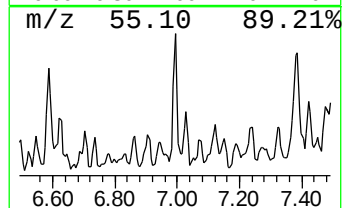
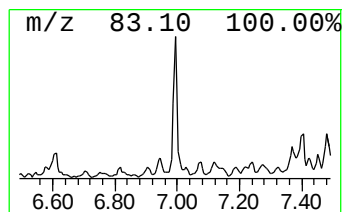
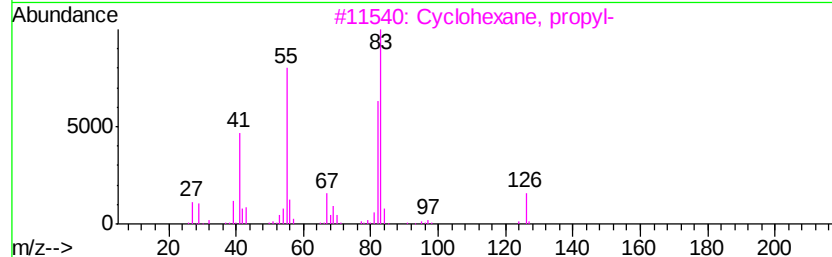
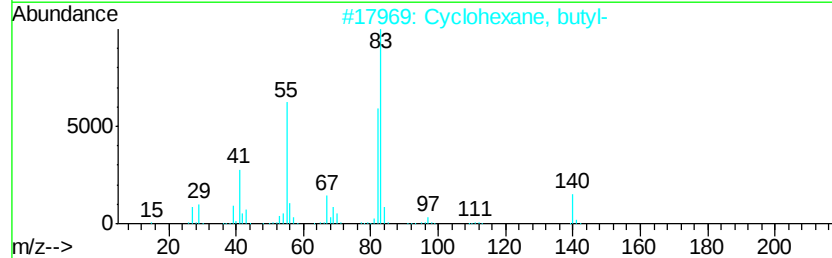
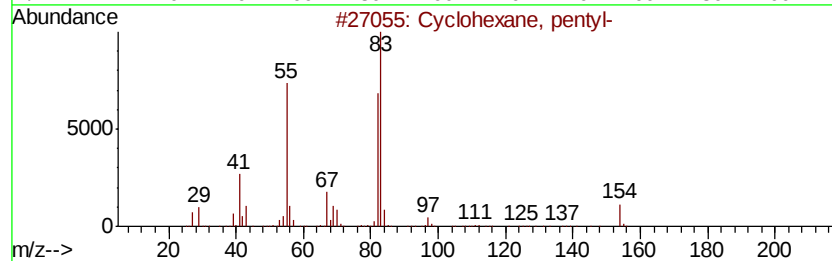
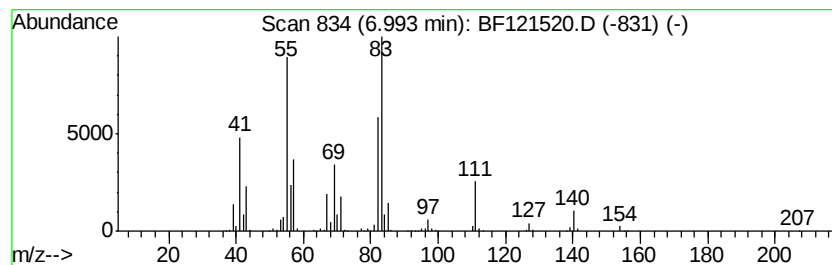
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Cyclohexane, pentyl- Concentration Rank 15

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.99 | 16.51 ng | 1576100 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Cyclohexane, pentyl-                | 154 | C11H22  | 004292-92-6  | 76   |
| 2    |    | Cyclohexane, butyl-                 | 140 | C10H20  | 001678-93-9  | 74   |
| 3    |    | Cyclohexane, propyl-                | 126 | C9H18   | 001678-92-8  | 59   |
| 4    |    | 3-Cyclobut-1-enyl-3-hydroxy-2-me... | 156 | C8H12O3 | 1000186-72-4 | 53   |
| 5    |    | Cyclohexane, octyl-                 | 196 | C14H28  | 001795-15-9  | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

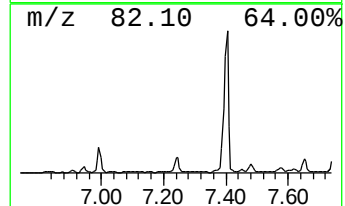
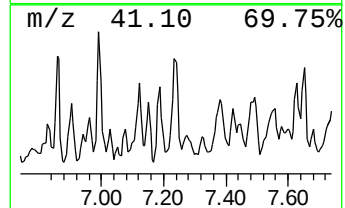
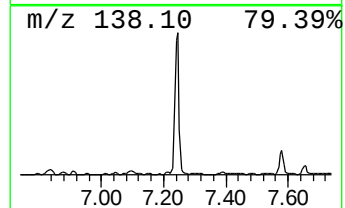
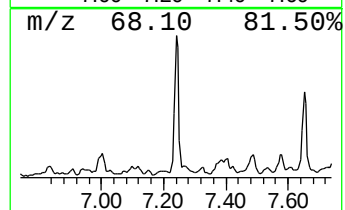
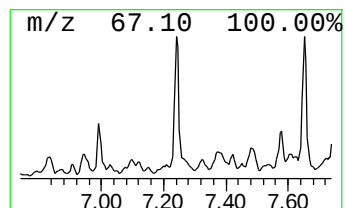
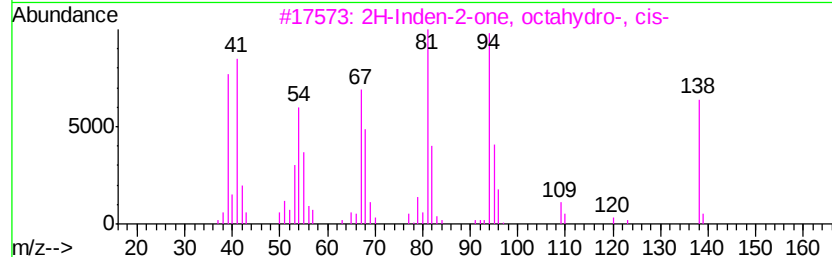
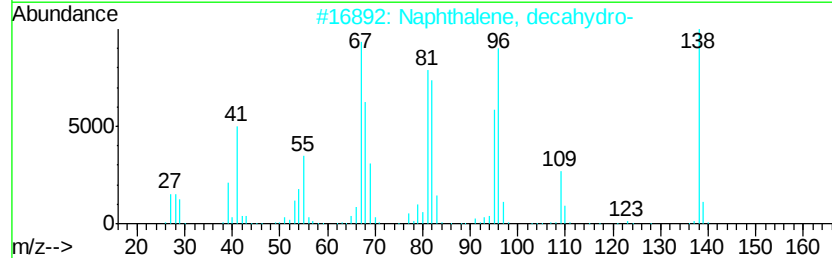
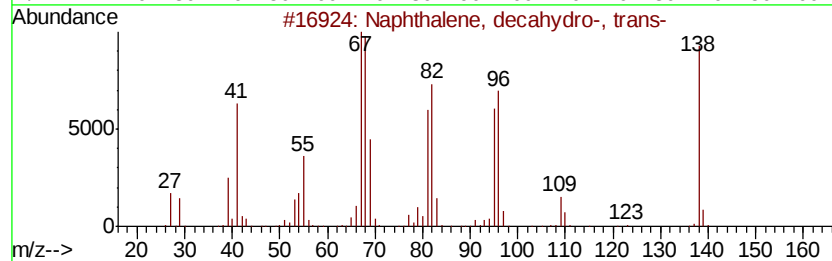
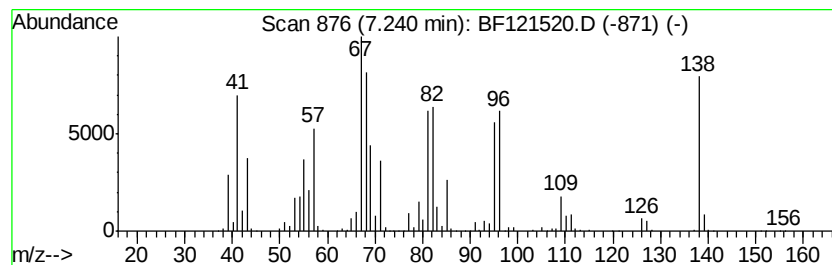
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, decahydro-, tr... Concentration Rank 11

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.24 | 21.48 ng | 2050650 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, decahydro-, trans-     | 138 | C10H18  | 000493-02-7 | 98   |
| 2    |    | Naphthalene, decahydro-             | 138 | C10H18  | 000091-17-8 | 95   |
| 3    |    | 2H-Inden-2-one, octahydro-, cis-    | 138 | C9H14O  | 005689-04-3 | 72   |
| 4    |    | Naphthalene, decahydro-, cis-       | 138 | C10H18  | 000493-01-6 | 70   |
| 5    |    | Cyclohexane, 1-methyl-4-(1-methy... | 138 | C10H18  | 001124-25-0 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
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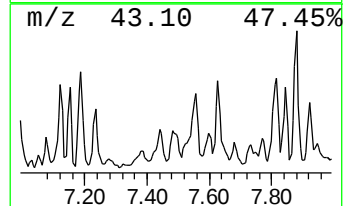
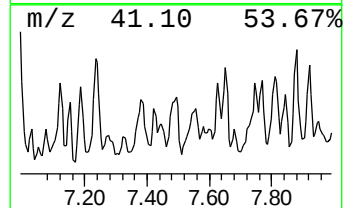
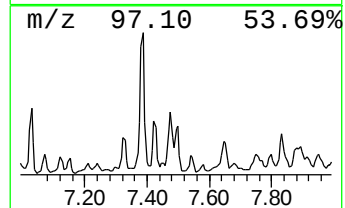
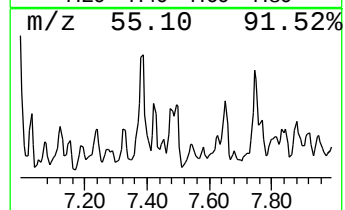
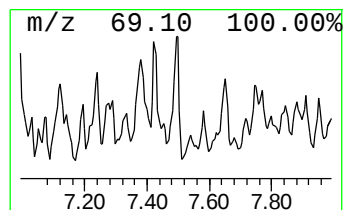
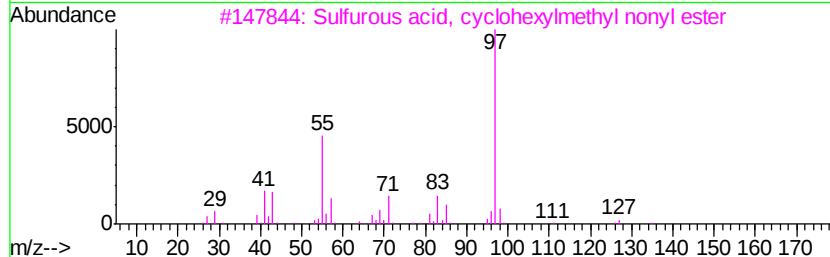
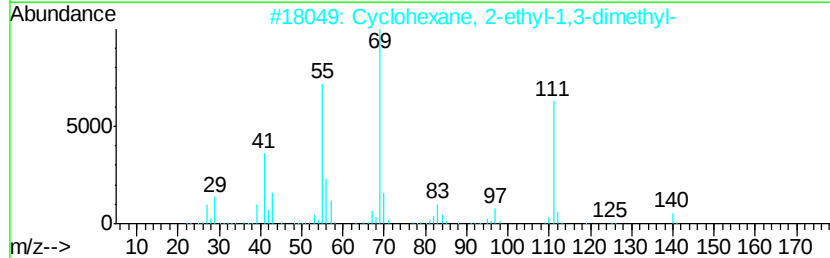
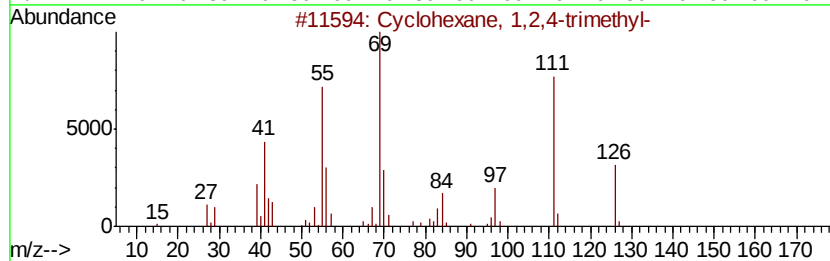
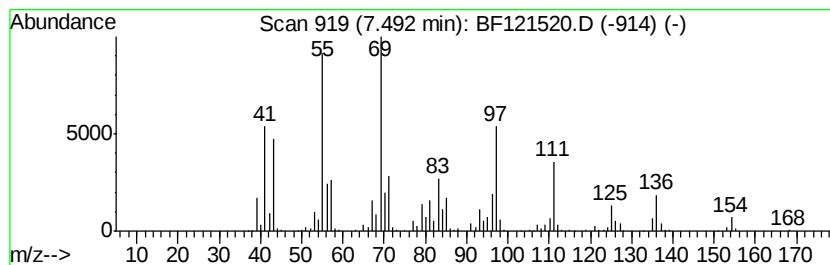
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown7.49 Concentration Rank 13

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.49 | 17.04 ng | 1865350 | Naphthalene-d8   | 8.13 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Cyclohexane, 1,2,4-trimethyl-       | 126 | C9H18     | 002234-75-5  | 43   |
| 2    |    | Cyclohexane, 2-ethyl-1,3-dimethyl-  | 140 | C10H20    | 007045-67-2  | 38   |
| 3    |    | Sulfurous acid, cyclohexylmethyl... | 304 | C16H32O3S | 1000309-21-8 | 35   |
| 4    |    | Cyclohexane, 1,2-diethyl-3-methyl-  | 154 | C11H22    | 061141-80-8  | 35   |
| 5    |    | 2-Decene, 2-methyl-                 | 154 | C11H22    | 023381-92-2  | 27   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

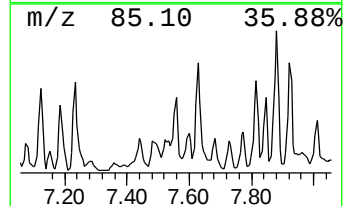
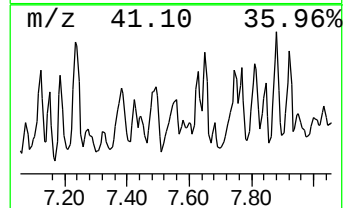
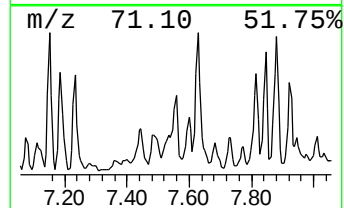
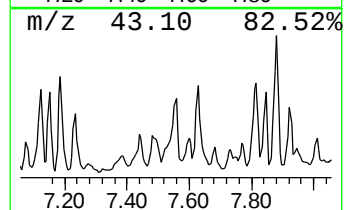
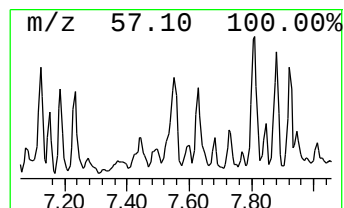
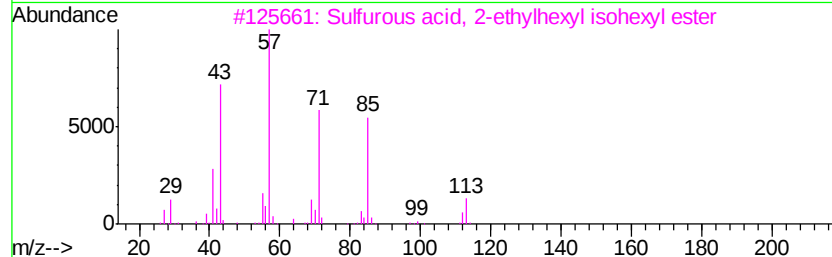
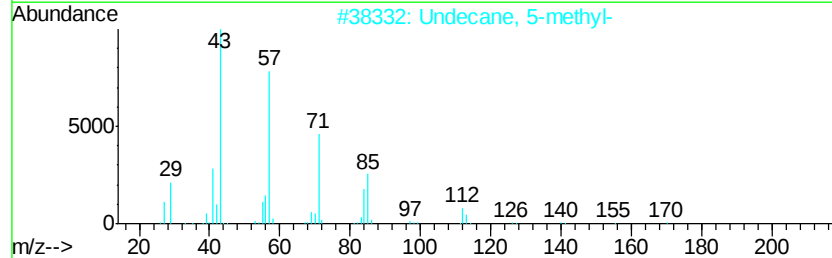
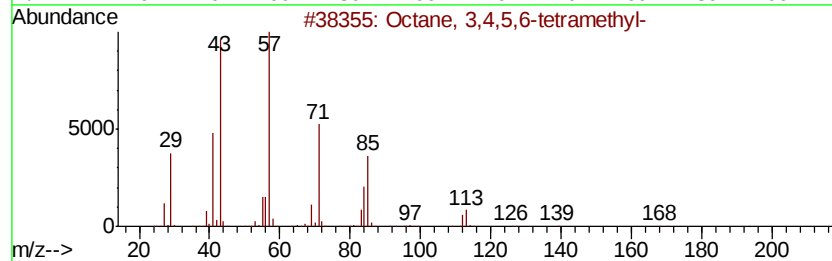
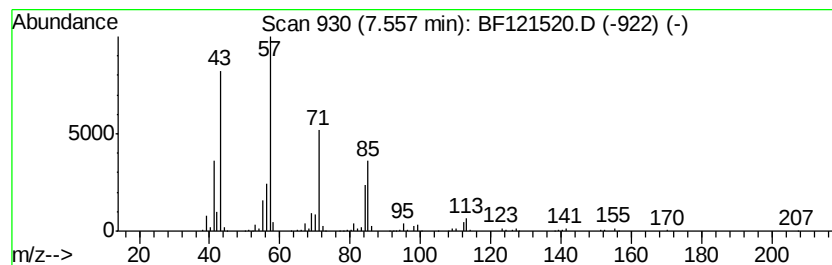
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octane, 3,4,5,6-tetramethyl- Concentration Rank 16

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.56 | 14.92 ng | 1633530 | Naphthalene-d8   | 8.13 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Octane, 3,4,5,6-tetramethyl-        | 170 | C12H26    | 062185-21-1  | 86   |
| 2    |    | Undecane, 5-methyl-                 | 170 | C12H26    | 001632-70-8  | 62   |
| 3    |    | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S | 1000309-19-0 | 59   |
| 4    |    | Decane, 2,4-dimethyl-               | 170 | C12H26    | 002801-84-5  | 59   |
| 5    |    | Nonane, 3,7-dimethyl-               | 156 | C11H24    | 017302-32-8  | 52   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

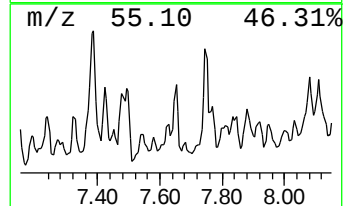
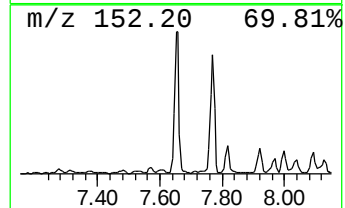
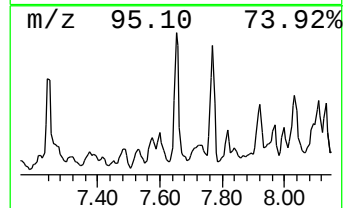
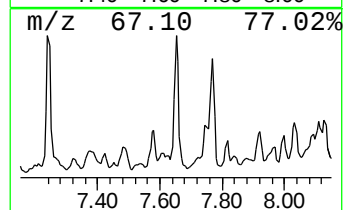
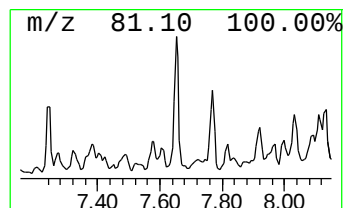
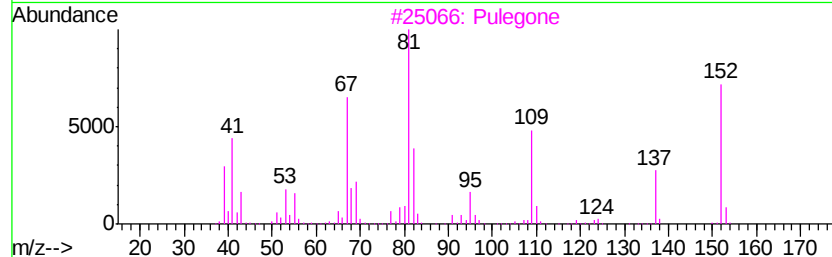
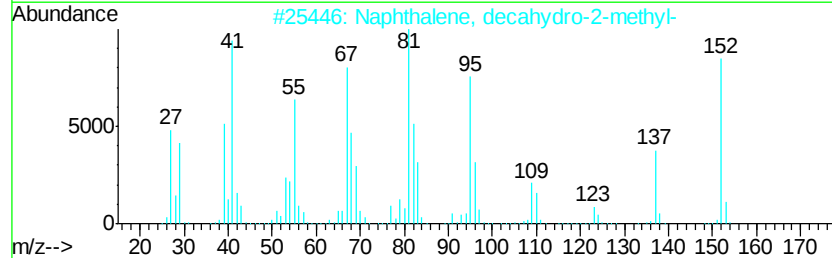
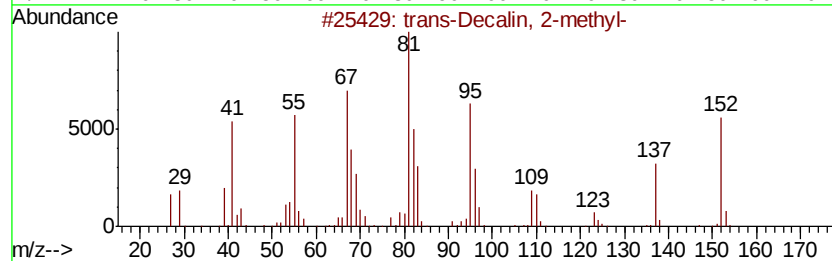
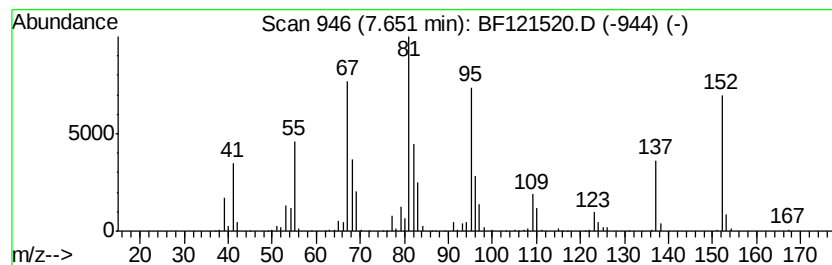
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 trans-Decalin, 2-methyl- Concentration Rank 17

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.65 | 14.84 ng | 1623880 | Naphthalene-d8   | 8.13 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 95   |
| 2    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 90   |
| 3    |    |   | Pulegone                            | 152 | C10H16O | 000089-82-7  | 70   |
| 4    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 70   |
| 5    |    |   | Cyclohexanone, 2-methyl-5-(1-met... | 152 | C10H16O | 005948-04-9  | 70   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

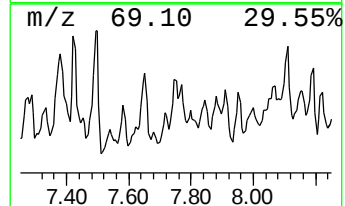
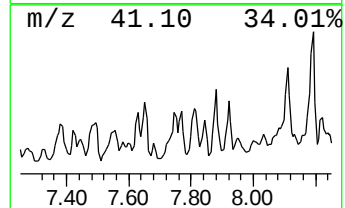
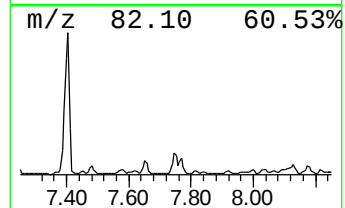
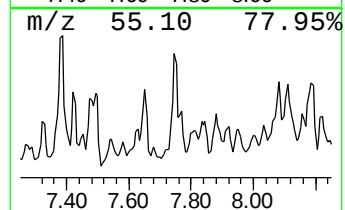
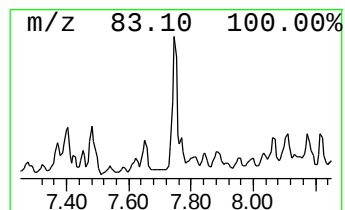
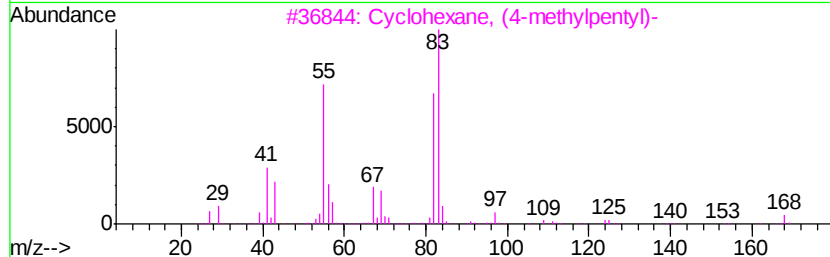
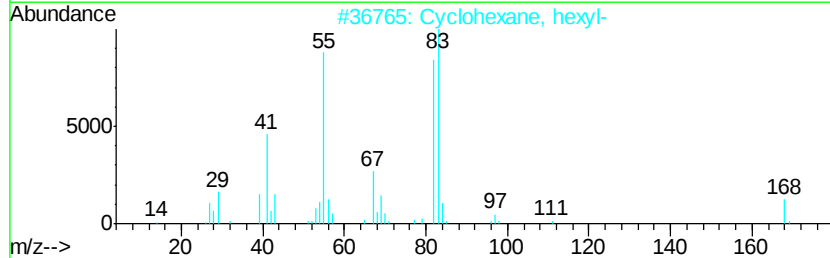
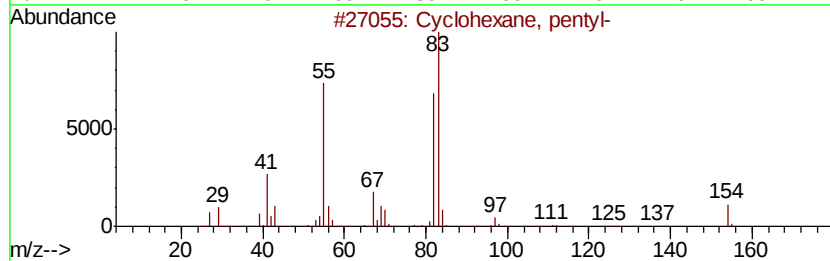
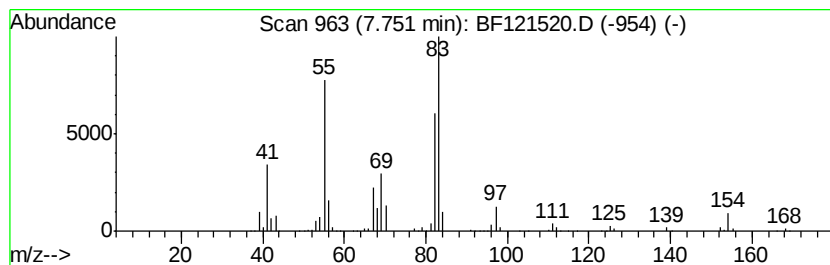
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Cyclohexane, hexyl- Concentration Rank 14

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.75 | 16.89 ng | 1849080 | Naphthalene-d8   | 8.13 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, pentyl-           | 154 | C11H22  | 004292-92-6 | 91   |
| 2    |    | Cyclohexane, hexyl-            | 168 | C12H24  | 004292-75-5 | 78   |
| 3    |    | Cyclohexane, (4-methylpentyl)- | 168 | C12H24  | 061142-20-9 | 78   |
| 4    |    | Cyclohexane, (1-methylethyl)-  | 126 | C9H18   | 000696-29-7 | 78   |
| 5    |    | Cyclohexane, propyl-           | 126 | C9H18   | 001678-92-8 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

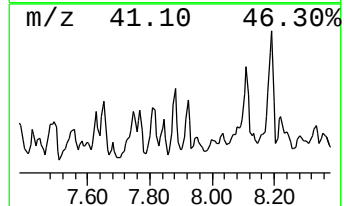
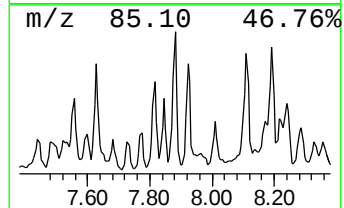
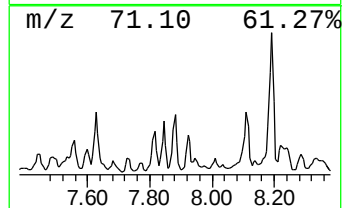
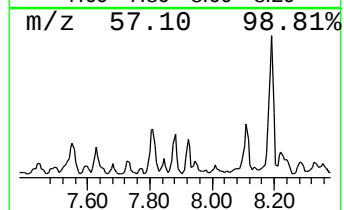
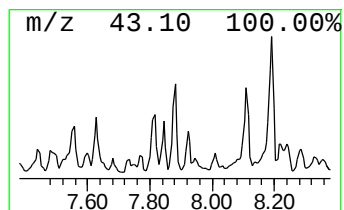
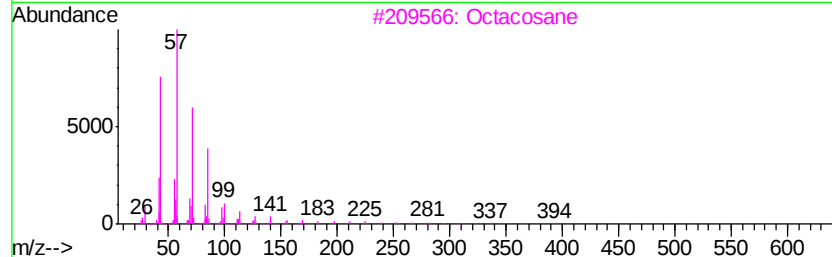
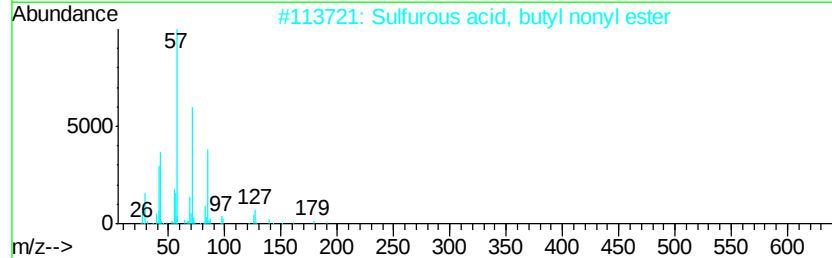
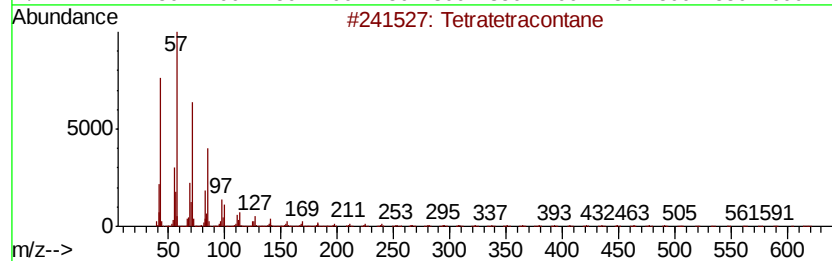
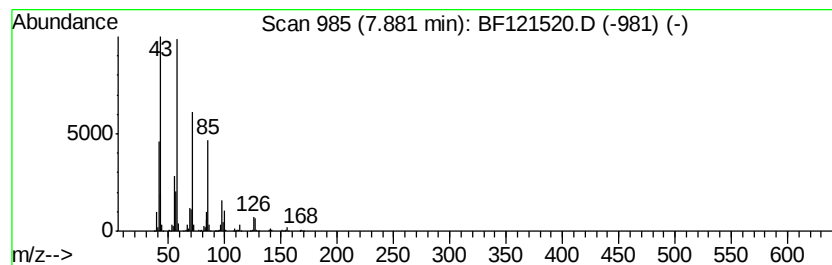
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Tetratetracontane Concentration Rank 19

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.88 | 14.10 ng | 1543780 | Naphthalene-d8   | 8.13 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-----------|--------------|------|
| 1       |   | Tetratetracontane                   | 619 | C44H90    | 007098-22-8  | 80   |
| 2       |   | Sulfurous acid, butyl nonyl ester   | 264 | C13H28O3S | 1000309-17-6 | 72   |
| 3       |   | Octacosane                          | 394 | C28H58    | 000630-02-4  | 72   |
| 4       |   | 1-Iodo-2-methylnonane               | 268 | C10H21I   | 1000101-47-9 | 64   |
| 5       |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44    | 054833-48-6  | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

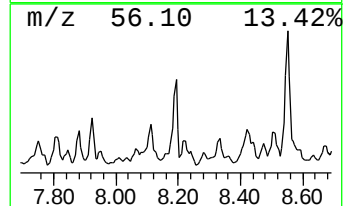
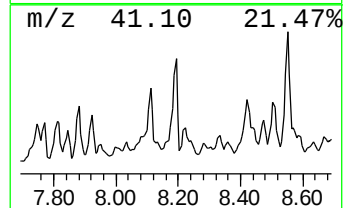
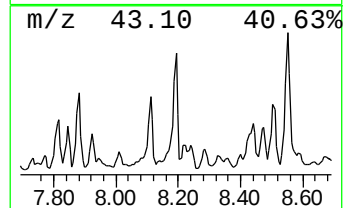
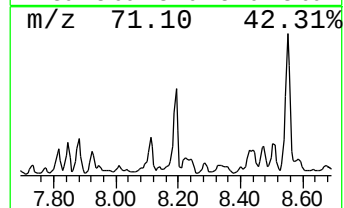
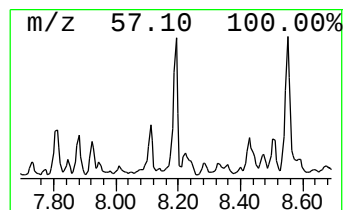
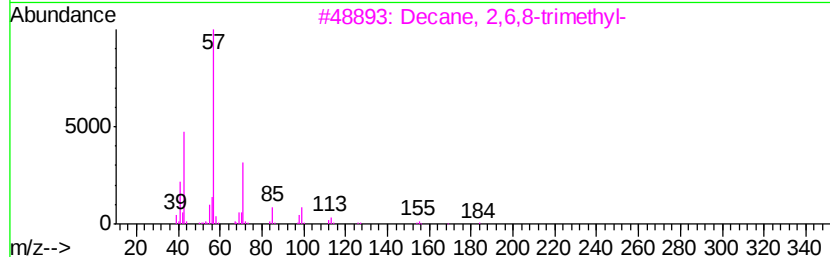
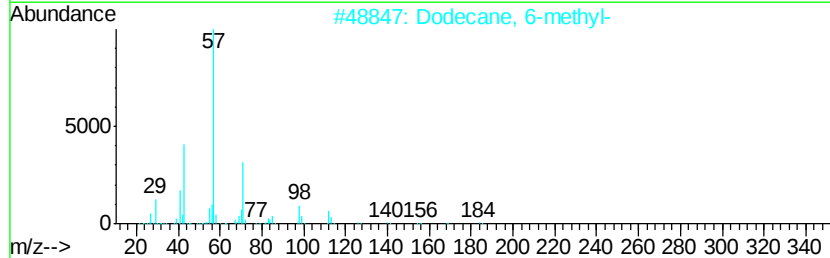
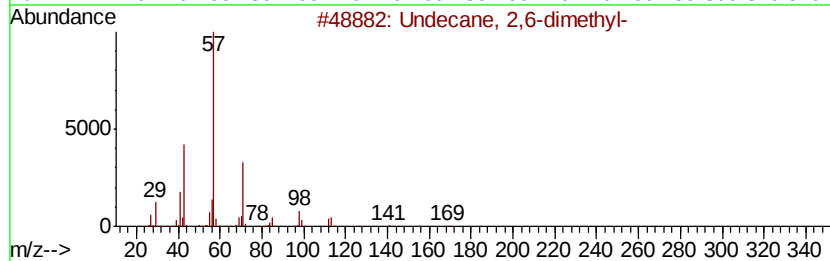
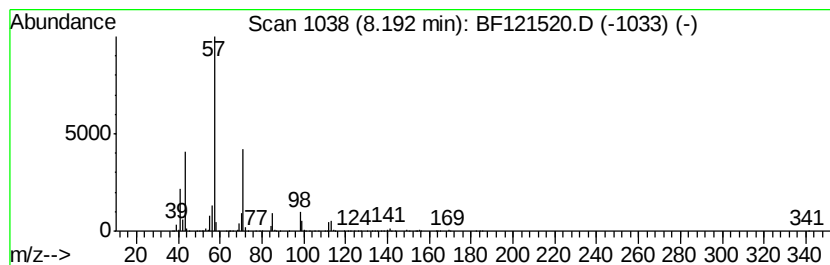
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 6

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.19 | 28.19 ng | 3085780 | Napthalene-d8    | 8.13 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 2,6-dimethyl-  | 184 | C13H28  | 017301-23-4 | 95   |
| 2    |    | Dodecane, 6-methyl-      | 184 | C13H28  | 006044-71-9 | 90   |
| 3    |    | Decane, 2,6,8-trimethyl- | 184 | C13H28  | 062108-26-3 | 87   |
| 4    |    | Undecane, 4,6-dimethyl-  | 184 | C13H28  | 017312-82-2 | 86   |
| 5    |    | Undecane, 3,6-dimethyl-  | 184 | C13H28  | 017301-28-9 | 78   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

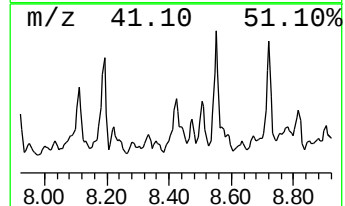
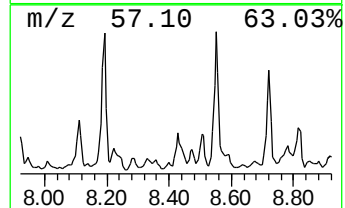
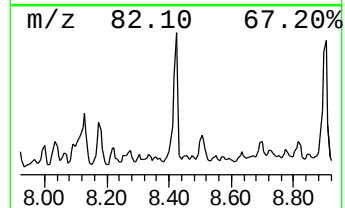
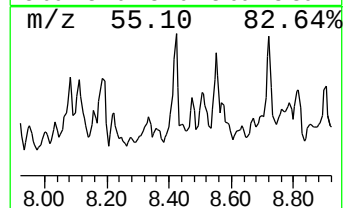
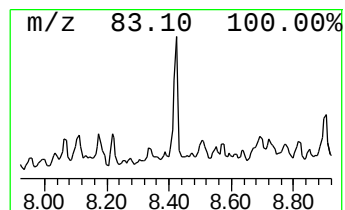
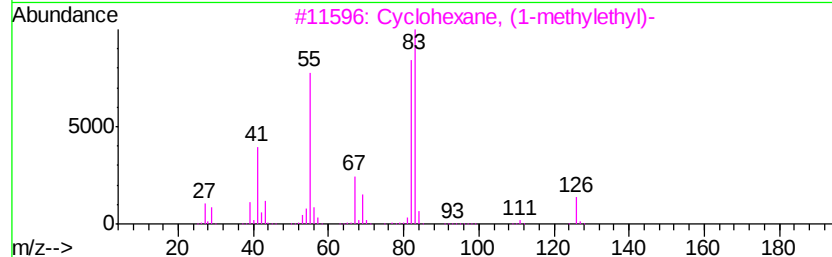
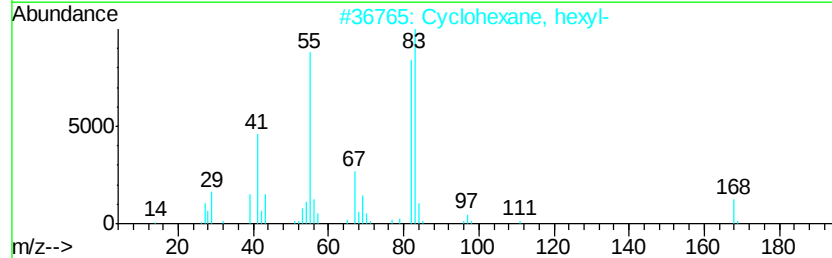
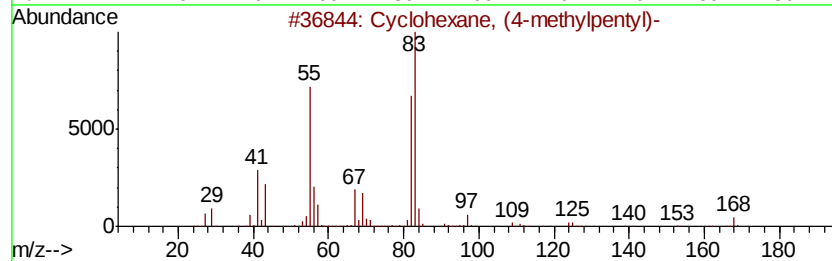
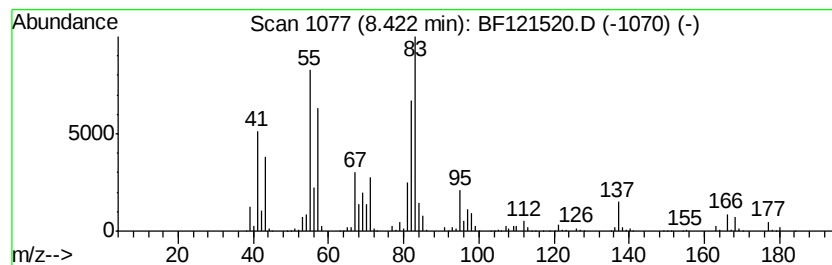
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Cyclohexane, (4-methylpentyl)- Concentration Rank 8

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.42 | 25.48 ng | 2788680 | Napthalene-d8    | 8.13 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, (4-methylpentyl)- | 168 | C12H24  | 061142-20-9 | 64   |
| 2    |    | Cyclohexane, hexyl-            | 168 | C12H24  | 004292-75-5 | 53   |
| 3    |    | Cyclohexane, (1-methyl-ethyl)- | 126 | C9H18   | 000696-29-7 | 52   |
| 4    |    | Cyclohexane, propyl-           | 126 | C9H18   | 001678-92-8 | 50   |
| 5    |    | Cyclohexane, ethyl-            | 112 | C8H16   | 001678-91-7 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

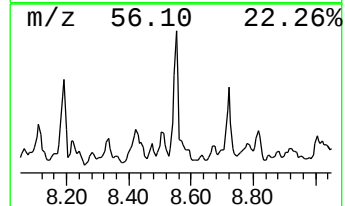
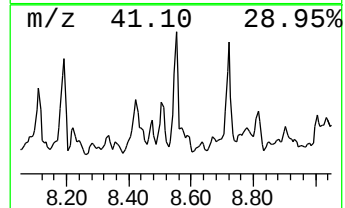
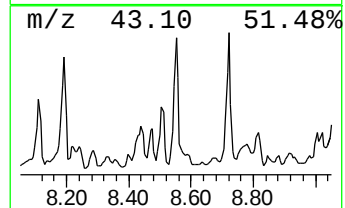
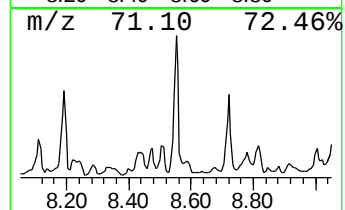
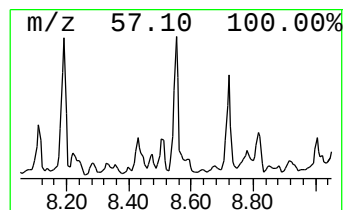
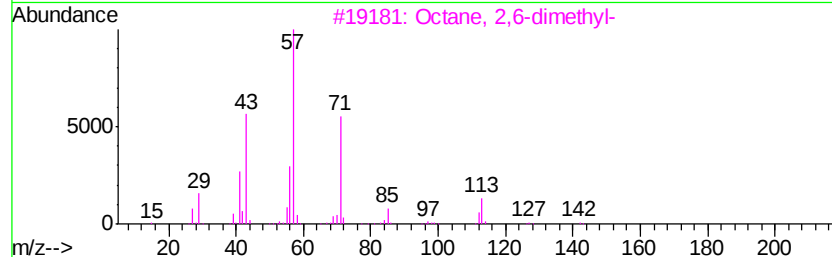
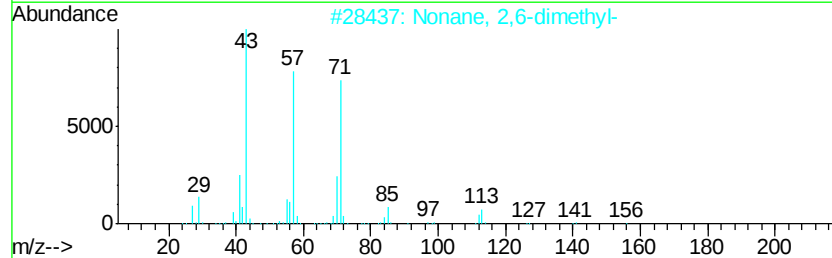
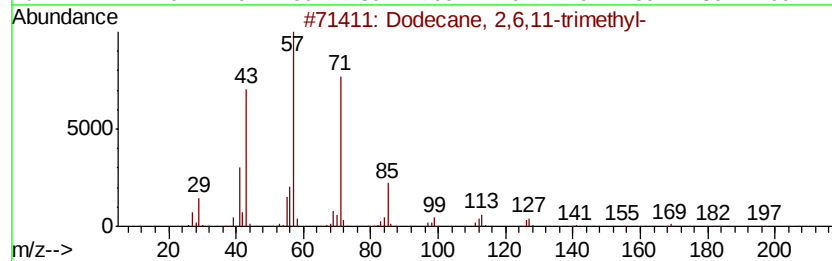
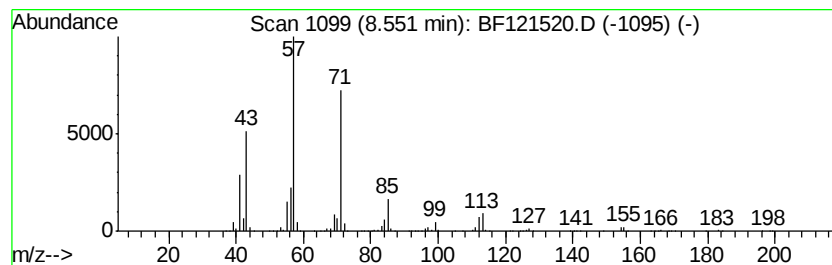
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Dodecane, 2,6,11-trimethyl- Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.55 | 32.36 ng | 3541580 | Napthalene-d8    | 8.13 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 90   |
| 2    |    | Nonane, 2,6-dimethyl-       | 156 | C11H24  | 017302-28-2 | 80   |
| 3    |    | Octane, 2,6-dimethyl-       | 142 | C10H22  | 002051-30-1 | 78   |
| 4    |    | Dodecane, 4,6-dimethyl-     | 198 | C14H30  | 061141-72-8 | 76   |
| 5    |    | Hexadecane, 7-methyl-       | 240 | C17H36  | 026730-20-1 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

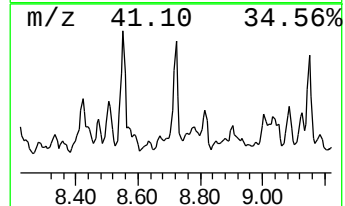
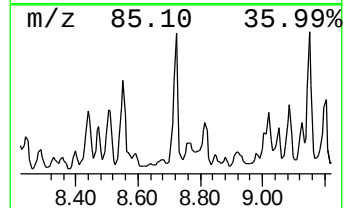
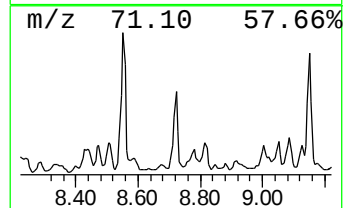
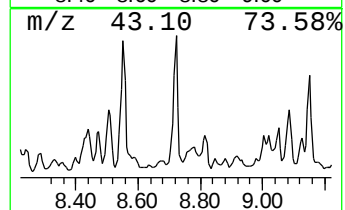
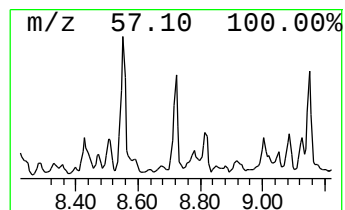
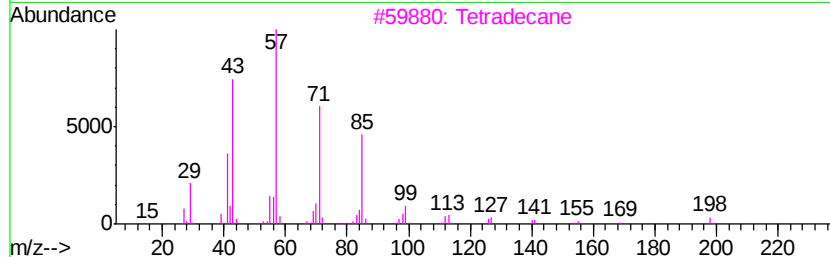
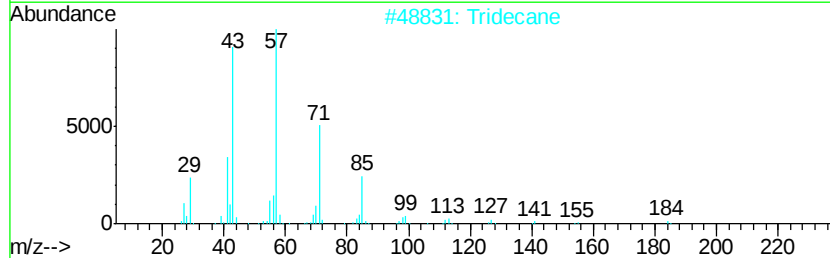
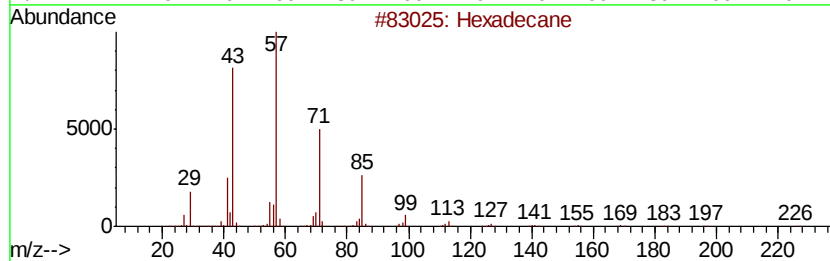
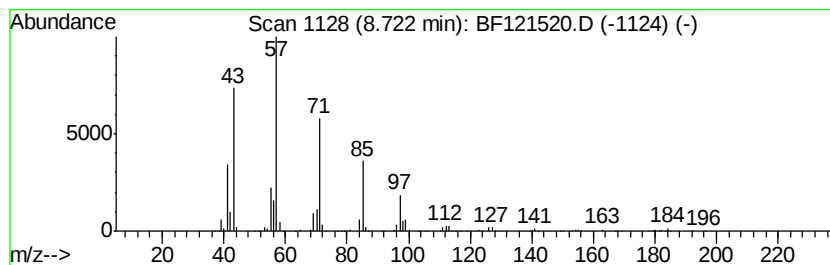
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Hexadecane Concentration Rank 10

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.72 | 22.96 ng | 2513550 | Naphthalene-d8   | 8.13 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane              | 226 | C16H34  | 000544-76-3 | 86   |
| 2    |    | Tridecane               | 184 | C13H28  | 000629-50-5 | 76   |
| 3    |    | Tetradecane             | 198 | C14H30  | 000629-59-4 | 72   |
| 4    |    | Undecane, 2,6-dimethyl- | 184 | C13H28  | 017301-23-4 | 64   |
| 5    |    | Decane, 3,6-dimethyl-   | 170 | C12H26  | 017312-53-7 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

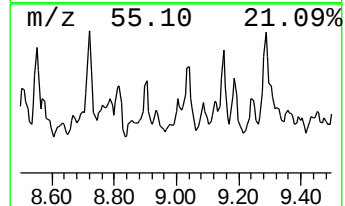
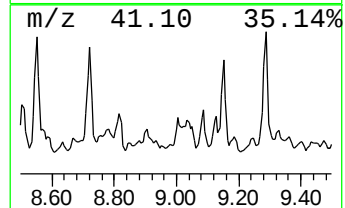
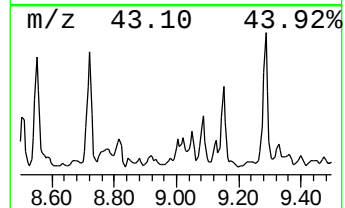
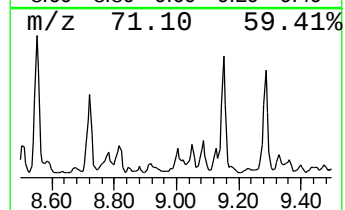
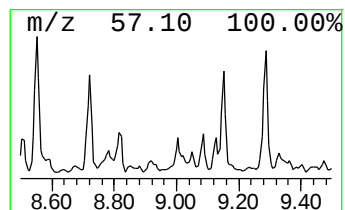
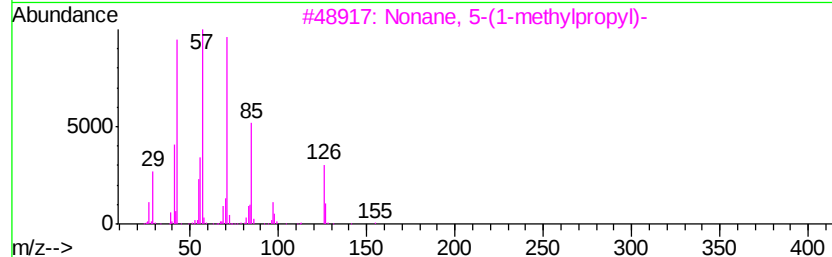
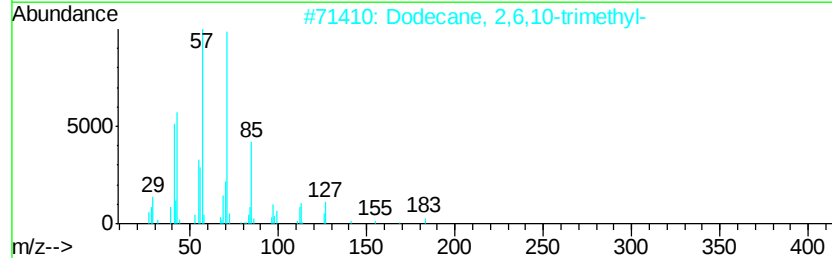
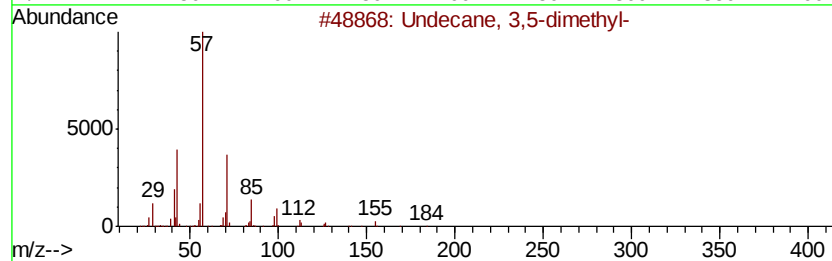
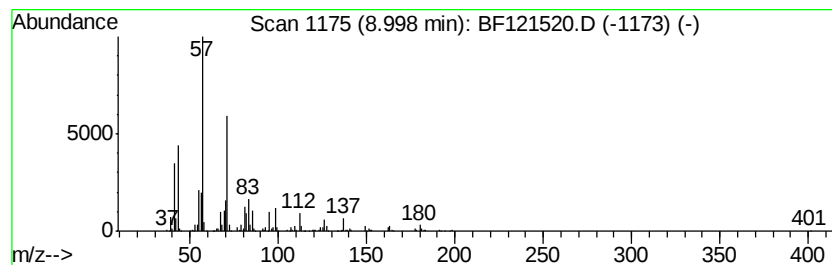
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Undecane, 3,5-dimethyl- Concentration Rank 18

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.00 | 14.38 ng | 1574030 | Napthalene-d8    | 8.13 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 3,5-dimethyl-     | 184 | C13H28  | 017312-81-1 | 53   |
| 2    |    | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 50   |
| 3    |    | Nonane, 5-(1-methylpropyl)- | 184 | C13H28  | 062185-54-0 | 50   |
| 4    |    | 3,5-Dimethyldodecane        | 198 | C14H30  | 107770-99-0 | 49   |
| 5    |    | Tridecane                   | 184 | C13H28  | 000629-50-5 | 47   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

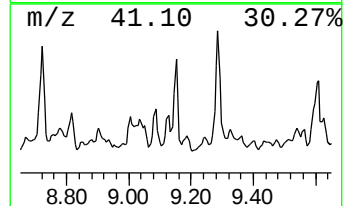
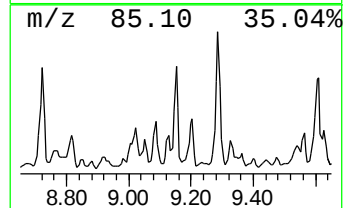
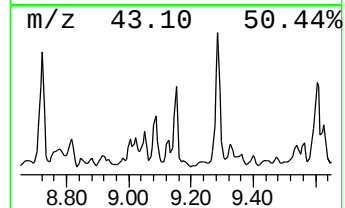
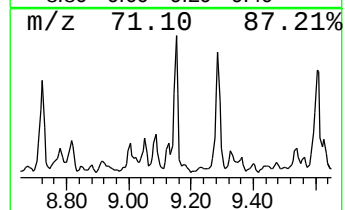
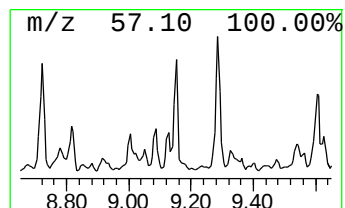
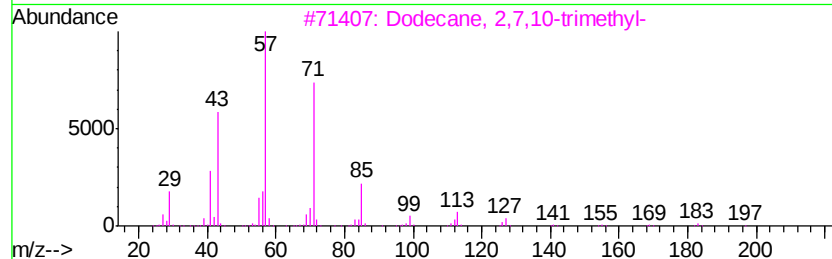
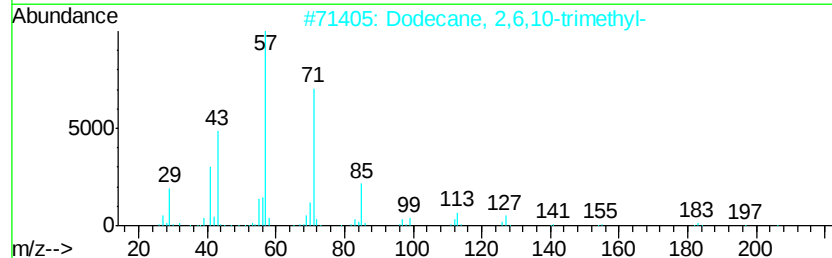
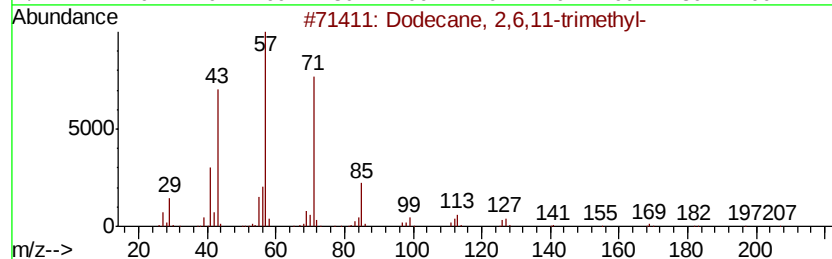
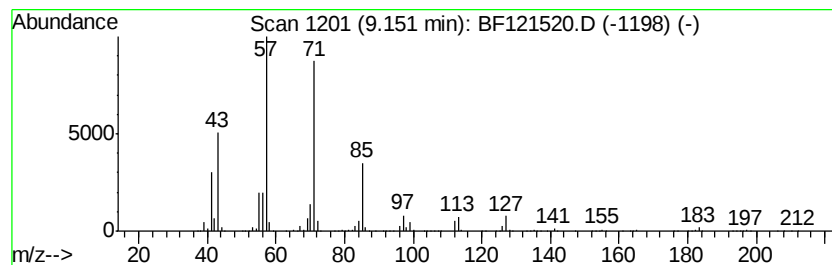
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Dodecane, 2,6,10-trimethyl- Concentration Rank 12

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.15 | 18.07 ng | 2555770 | Acenaphthene-d10 | 9.88 |

| Hit# | of | Tentative ID                | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------------|-----|----------|-------------|------|
| 1    | 5  | Dodecane, 2,6,11-trimethyl- | 212 | C15H32   | 031295-56-4 | 90   |
| 2    |    | Dodecane, 2,6,10-trimethyl- | 212 | C15H32   | 003891-98-3 | 90   |
| 3    |    | Dodecane, 2,7,10-trimethyl- | 212 | C15H32   | 074645-98-0 | 90   |
| 4    |    | Bacchotricuneatin c         | 342 | C20H22O5 | 066563-30-2 | 80   |
| 5    |    | Heptacosane                 | 380 | C27H56   | 000593-49-7 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

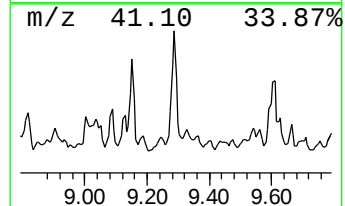
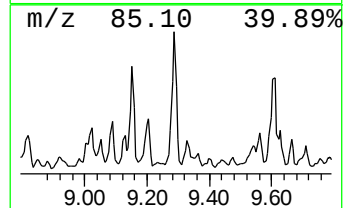
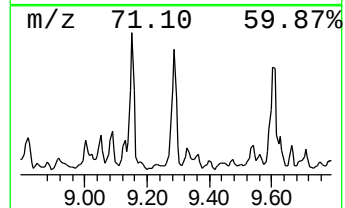
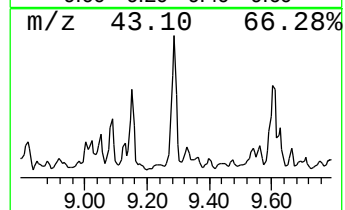
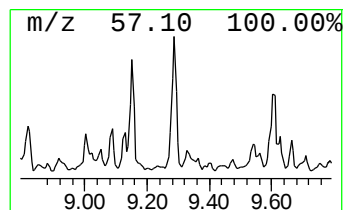
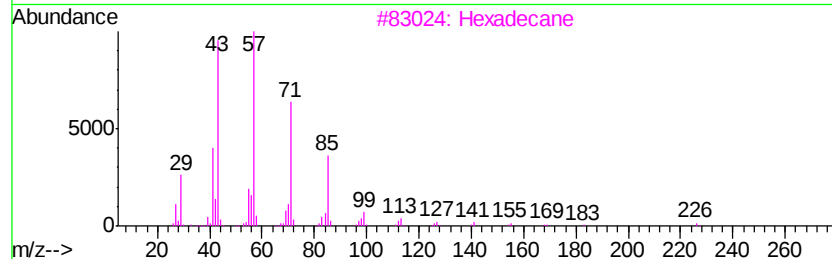
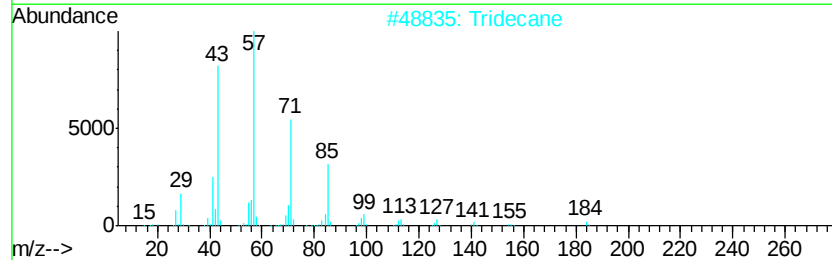
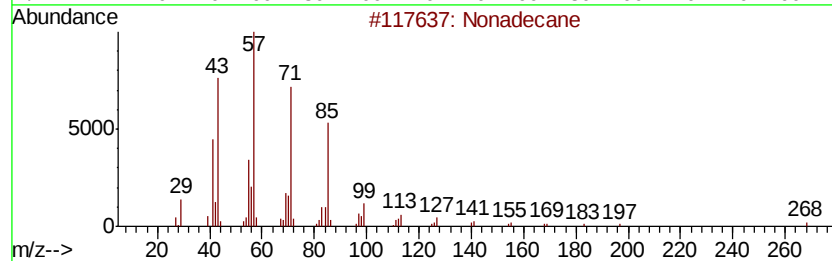
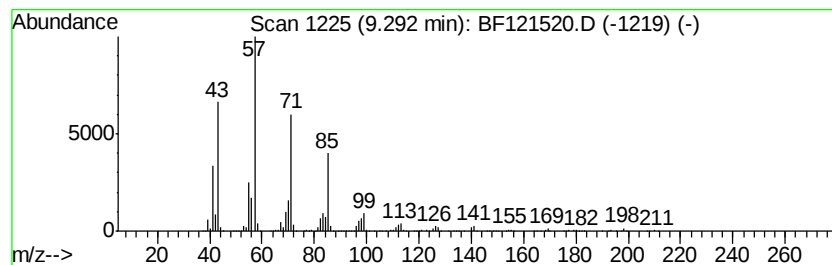
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Nonadecane Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.29 | 29.02 ng | 4103620 | Acenaphthene-d10 | 9.88 |

| Hit# of | 5                        | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|---------|--------------------------|--------------|-----|----------|-------------|------|
| 1       | Nonadecane               |              | 268 | C19H40   | 000629-92-5 | 90   |
| 2       | Tridecane                |              | 184 | C13H28   | 000629-50-5 | 86   |
| 3       | Hexadecane               |              | 226 | C16H34   | 000544-76-3 | 83   |
| 4       | Decane, 2,3,5-trimethyl- |              | 184 | C13H28   | 062238-11-3 | 80   |
| 5       | Bacchotricuneatin c      |              | 342 | C20H22O5 | 066563-30-2 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

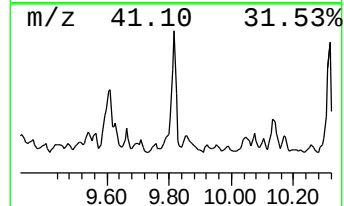
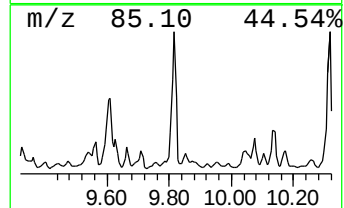
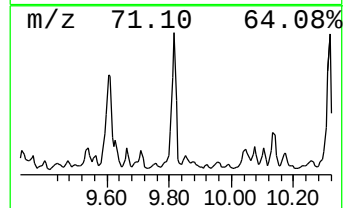
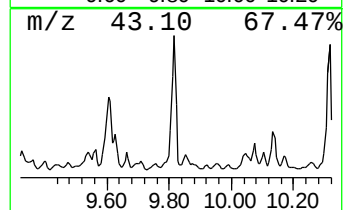
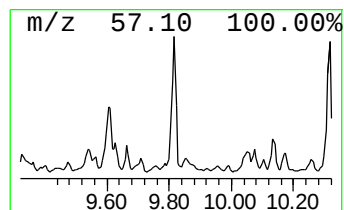
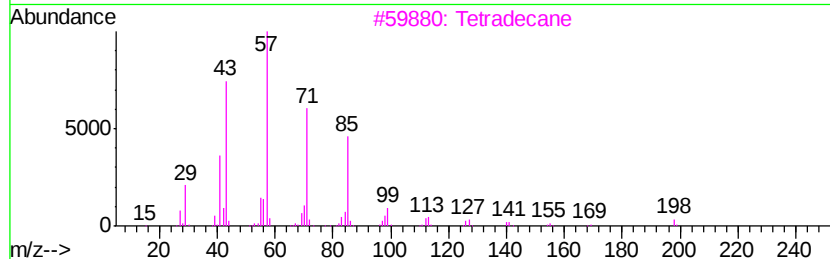
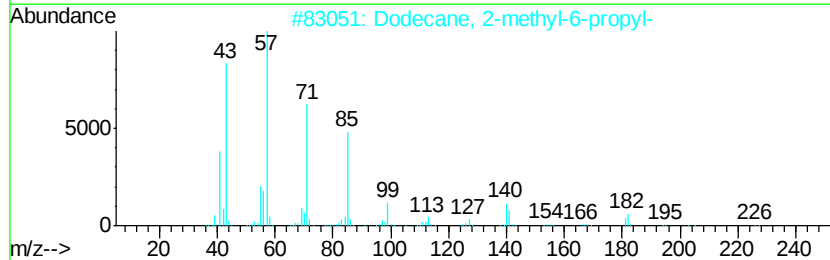
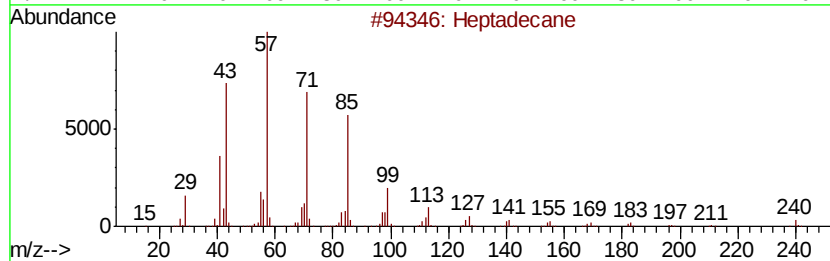
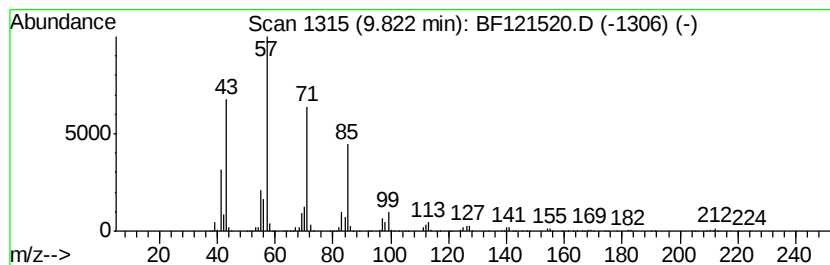
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Heptadecane Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.82 | 33.03 ng | 4671060 | Acenaphthene-d10 | 9.88 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane                  | 240 | C17H36  | 000629-78-7 | 90   |
| 2    |    | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 80   |
| 3    |    | Tetradecane                  | 198 | C14H30  | 000629-59-4 | 80   |
| 4    |    | Hexadecane                   | 226 | C16H34  | 000544-76-3 | 72   |
| 5    |    | Octane, 2,4,6-trimethyl-     | 156 | C11H24  | 062016-37-9 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

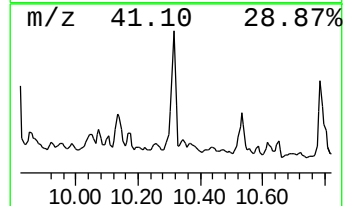
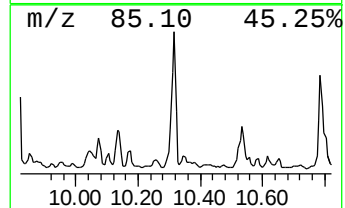
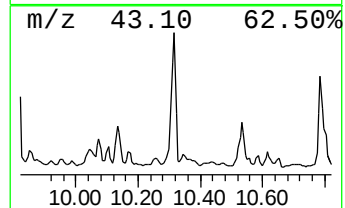
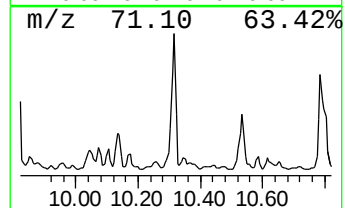
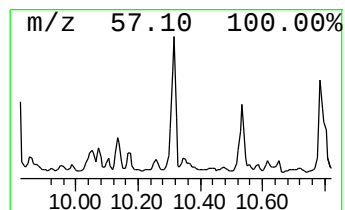
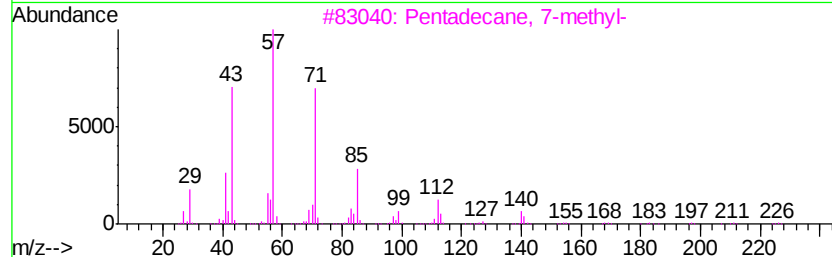
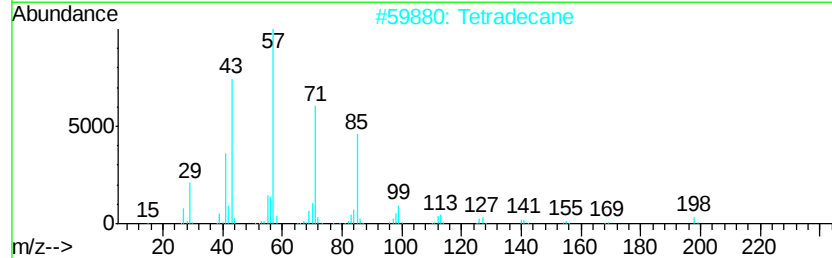
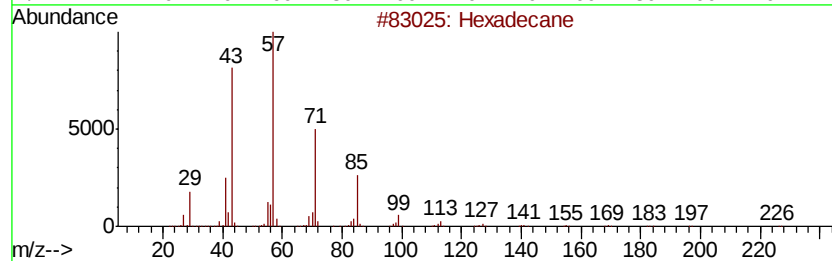
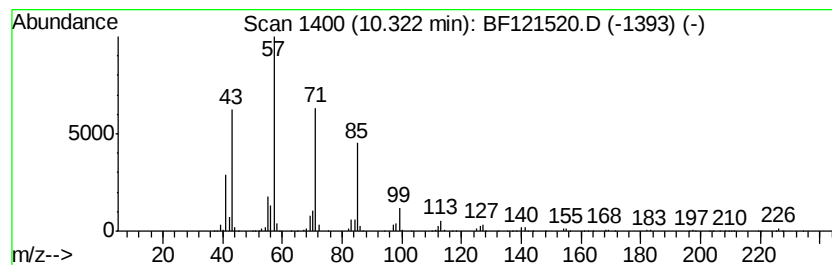
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Tetradecane Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.32 | 27.23 ng | 3850130 | Acenaphthene-d10 | 9.88 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane                   | 226 | C16H34  | 000544-76-3 | 97   |
| 2    |    | Tetradecane                  | 198 | C14H30  | 000629-59-4 | 90   |
| 3    |    | Pentadecane, 7-methyl-       | 226 | C16H34  | 006165-40-8 | 87   |
| 4    |    | 5-Ethyldecane                | 170 | C12H26  | 017302-36-2 | 86   |
| 5    |    | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

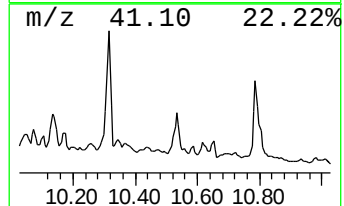
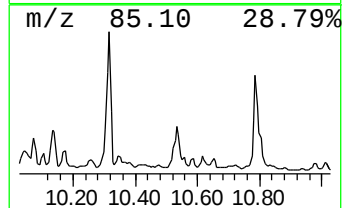
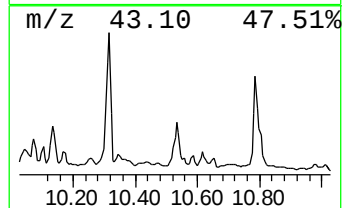
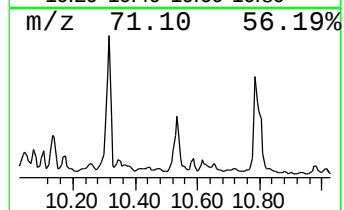
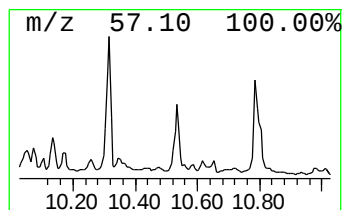
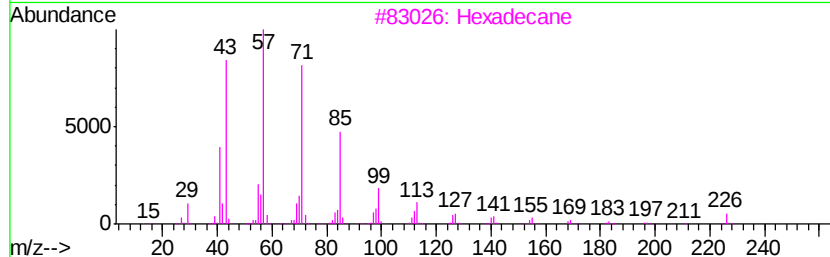
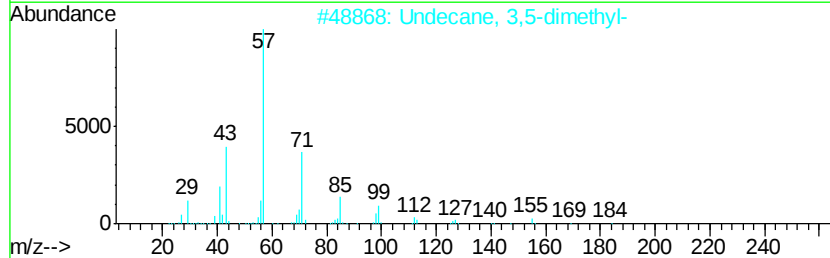
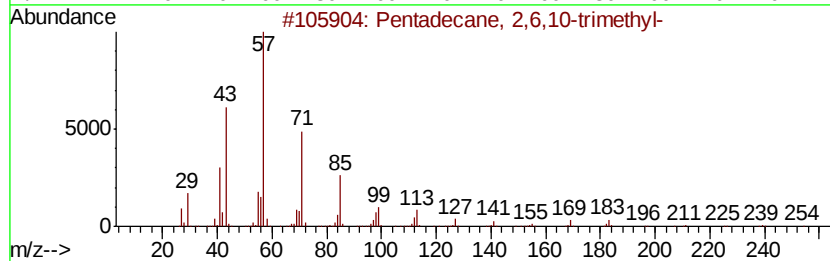
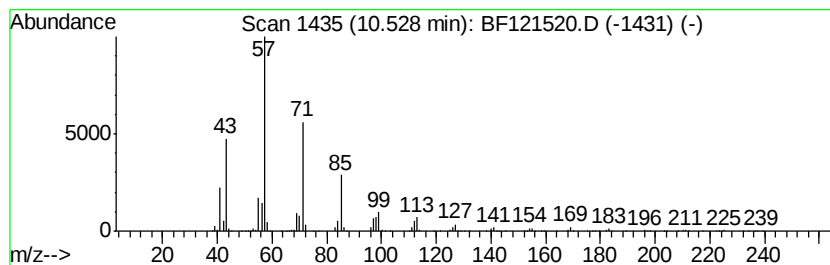
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 Pentadecane, 2,6,10-trimethyl- Concentration Rank 20

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.53 | 13.88 ng | 1962690 | Acenaphthene-d10 | 9.88 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38  | 003892-00-0 | 90   |
| 2    |    | Undecane, 3,5-dimethyl-        | 184 | C13H28  | 017312-81-1 | 87   |
| 3    |    | Hexadecane                     | 226 | C16H34  | 000544-76-3 | 86   |
| 4    |    | Octane, 3,5-dimethyl-          | 142 | C10H22  | 015869-93-9 | 64   |
| 5    |    | Dodecane, 2,7,10-trimethyl-    | 212 | C15H32  | 074645-98-0 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

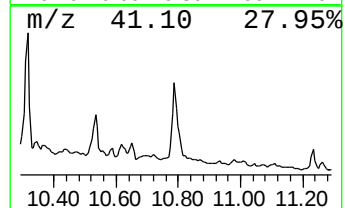
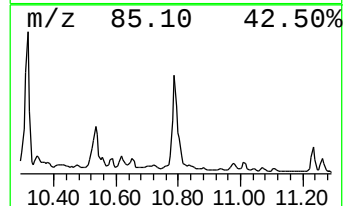
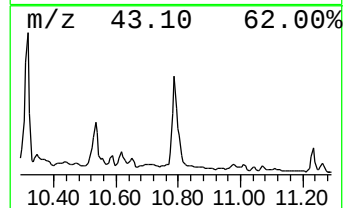
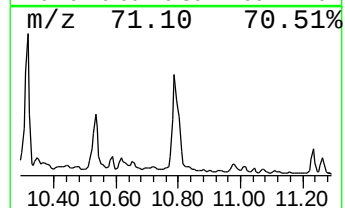
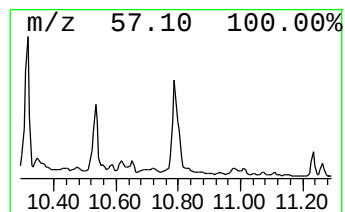
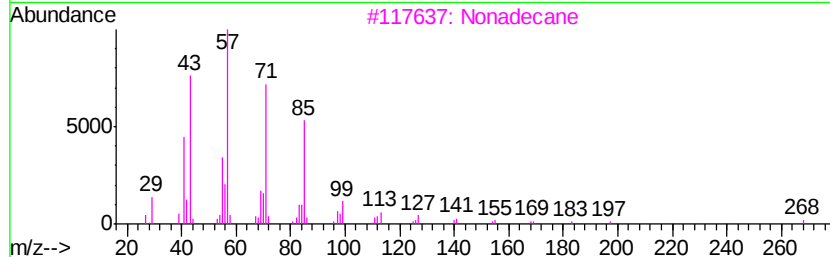
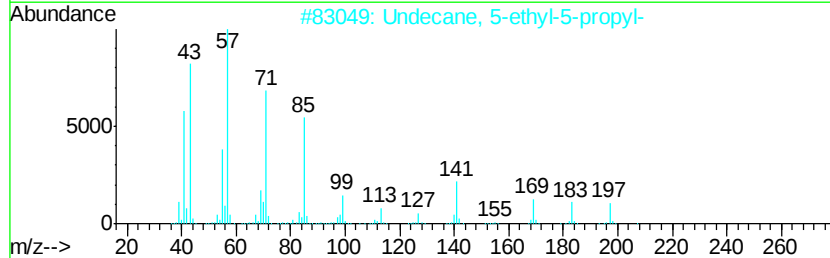
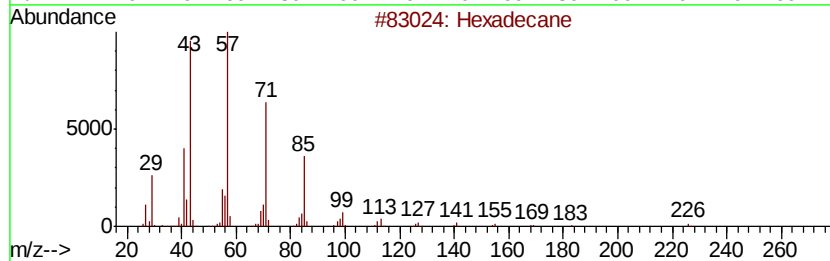
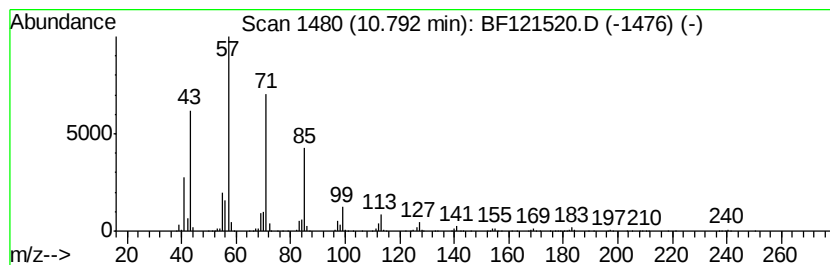
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Undecane, 5-ethyl-5-propyl- Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.79 | 38.19 ng | 4756950 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane                   | 226 | C16H34  | 000544-76-3 | 90   |
| 2    |    | Undecane, 5-ethyl-5-propyl-  | 226 | C16H34  | 002755-07-9 | 90   |
| 3    |    | Nonadecane                   | 268 | C19H40  | 000629-92-5 | 86   |
| 4    |    | Nonane, 5-butyl-             | 184 | C13H28  | 017312-63-9 | 81   |
| 5    |    | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\  
Data File : BF121520.D  
Acq On : 2 Sep 2020 18:28  
Operator : JU/CG  
Sample : L3828-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

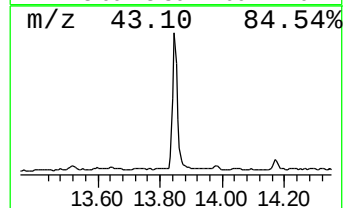
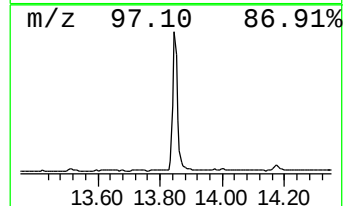
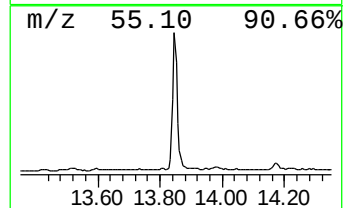
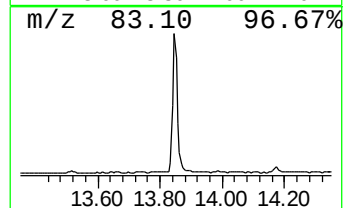
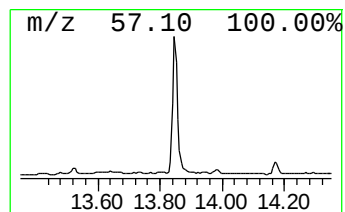
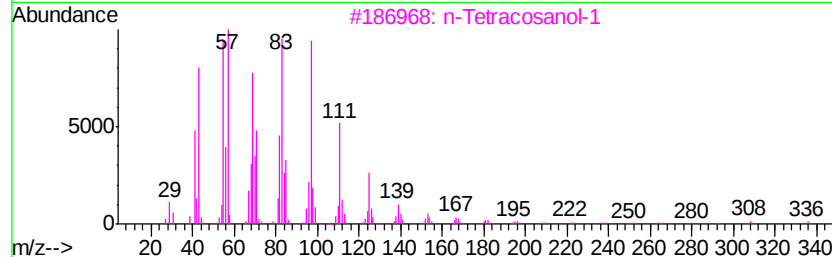
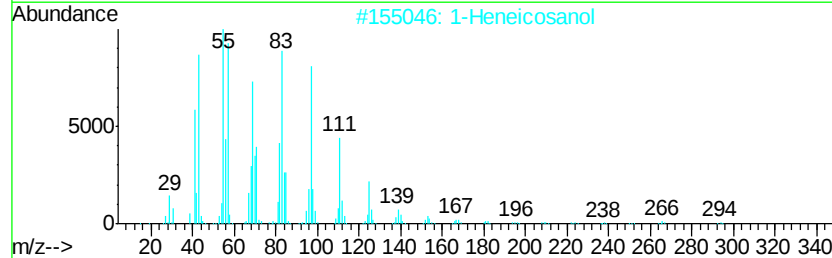
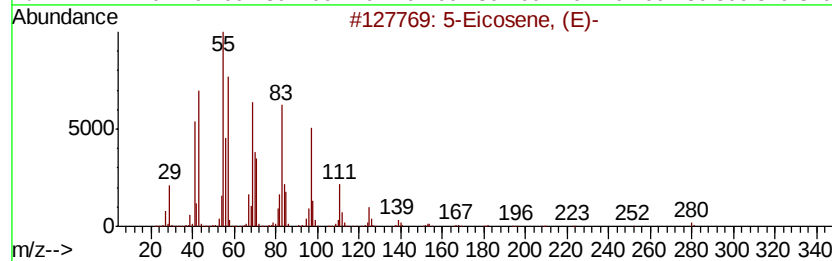
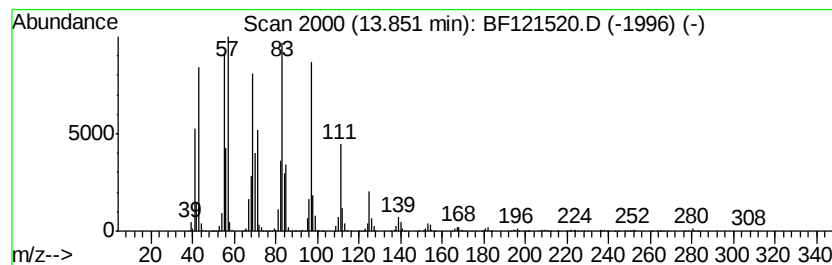
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 5-Eicosene, (E)- Concentration Rank 9

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.85 | 24.33 ng | 3103840 | Chrysene-d12     | 14.00 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 5-Eicosene, (E)-                    | 280 | C20H40     | 074685-30-6 | 99   |
| 2    |    | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8 | 95   |
| 3    |    | n-Tetracosanol-1                    | 354 | C24H50O    | 000506-51-4 | 94   |
| 4    |    | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 94   |
| 5    |    | Behenic alcohol                     | 326 | C22H46O    | 000661-19-8 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF090220\  
 Data File : BF121520.D  
 Acq On : 2 Sep 2020 18:28  
 Operator : JU/CG  
 Sample : L3828-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF082720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 2.18  | 68.6    | ng    | 6548720  | 1                     | 6.85  | 1909180 | 20.0 |
| Cyclohexane, pentyl- | 6.99  | 16.5    | ng    | 1576100  | 1                     | 6.85  | 1909180 | 20.0 |
| Naphthalene, deca... | 7.24  | 21.5    | ng    | 2050650  | 1                     | 6.85  | 1909180 | 20.0 |
| unknown7.49          | 7.49  | 17.0    | ng    | 1865350  | 2                     | 8.13  | 2189050 | 20.0 |
| Octane, 3,4,5,6-t... | 7.56  | 14.9    | ng    | 1633530  | 2                     | 8.13  | 2189050 | 20.0 |
| trans-Decalin, 2-... | 7.65  | 14.8    | ng    | 1623880  | 2                     | 8.13  | 2189050 | 20.0 |
| Cyclohexane, hexyl-  | 7.75  | 16.9    | ng    | 1849080  | 2                     | 8.13  | 2189050 | 20.0 |
| Tetratetracontane    | 7.88  | 14.1    | ng    | 1543780  | 2                     | 8.13  | 2189050 | 20.0 |
| Undecane, 2,6-dim... | 8.19  | 28.2    | ng    | 3085780  | 2                     | 8.13  | 2189050 | 20.0 |
| Cyclohexane, (4-m... | 8.42  | 25.5    | ng    | 2788680  | 2                     | 8.13  | 2189050 | 20.0 |
| Dodecane, 2,6,11-... | 8.55  | 32.4    | ng    | 3541580  | 2                     | 8.13  | 2189050 | 20.0 |
| Hexadecane           | 8.72  | 23.0    | ng    | 2513550  | 2                     | 8.13  | 2189050 | 20.0 |
| Undecane, 3,5-dim... | 9.00  | 14.4    | ng    | 1574030  | 2                     | 8.13  | 2189050 | 20.0 |
| Dodecane, 2,6,10-... | 9.15  | 18.1    | ng    | 2555770  | 3                     | 9.88  | 2828160 | 20.0 |
| Nonadecane           | 9.29  | 29.0    | ng    | 4103620  | 3                     | 9.88  | 2828160 | 20.0 |
| Heptadecane          | 9.82  | 33.0    | ng    | 4671060  | 3                     | 9.88  | 2828160 | 20.0 |
| Tetradecane          | 10.32 | 27.2    | ng    | 3850130  | 3                     | 9.88  | 2828160 | 20.0 |
| Pentadecane, 2,6,... | 10.53 | 13.9    | ng    | 1962690  | 3                     | 9.88  | 2828160 | 20.0 |
| Undecane, 5-ethyl... | 10.79 | 38.2    | ng    | 4756950  | 4                     | 11.36 | 2491510 | 20.0 |
| 5-Eicosene, (E)-     | 13.85 | 24.3    | ng    | 3103840  | 5                     | 14.00 | 2551500 | 20.0 |