LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

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_P\Methods\8270E-BP110221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP007959.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.222 | 153 | 159 | 163 | rBV | 482228 | 794139 | 2.44% | 0.127% |
| 2 | 4.511 | 204 | 208 | 216 | rVB | 452658 | 724966 | 2.23% | 0.116% |
| 3 | 4.693 | 235 | 239 | 247 | rVB | 369170 | 644945 | 1.99% | 0.103% |
| 4 | 4.799 | 247 | 257 | 263 | rBV | 1333591 | 2163190 | 6.66% | 0.345% |
| 5 | 4.893 | 268 | 273 | 278 | rBV | 957484 | 1630448 | 5.02% | 0.260% |
| 6 | 4.952 | 279 | 283 | 287 | rBV3 | 390580 | 584869 | 1.80% | 0.093% |
| 7 | 4.999 | 287 | 291 | 296 | rVB | 1536551 | 2252097 | 6.93% | 0.359% |
| 8 | 5.058 | 296 | 301 | 307 | rBV | 2626636 | 4381863 | 13.49% | 0.699% |
| 9 | 5.117 | 307 | 311 | 315 | rVB | 525677 | 780999 | 2.40% | 0.125% |
| 10 | 5.175 | 315 | 321 | 324 | rBV | 418178 | 675931 | 2.08% | 0.108% |
| 11 | 5.217 | 324 | 328 | 333 | rBV | 1573524 | 2373307 | 7.31% | 0.379% |
| 12 | 5.305 | 337 | 343 | 357 | rVB5 | 2953800 | 8308458 | 25.57% | 1.326% |
| 13 | 5.440 | 357 | 366 | 372 | rBV2 | 4647812 | 9313656 | 28.67% | 1.487% |
| 14 | 5.493 | 372 | 375 | 380 | rVB | 650166 | 911376 | 2.81% | 0.145% |
| 15 | 5.552 | 380 | 385 | 395 | rVB3 | 926057 | 2175050 | 6.69% | 0.347% |
| 16 | 5.664 | 395 | 404 | 410 | rBV2 | 1637131 | 3281581 | 10.10% | 0.524% |
| 17 | 5.734 | 410 | 416 | 424 | rBV2 | 2785013 | 7066833 | 21.75% | 1.128% |
| 18 | 5.816 | 424 | 430 | 435 | rBV | 4543147 | 7264584 | 22.36% | 1.160% |
| 19 | 5.881 | 435 | 441 | 448 | rVB | 8147368 | 15053098 | 46.33% | 2.403% |
| 20 | 5.958 | 448 | 454 | 463 | rBV2 | 2047258 | 3598625 | 11.08% | 0.574% |
| 21 | 6.046 | 463 | 469 | 476 | rVB2 | 981587 | 1831036 | 5.64% | 0.292% |
| 22 | 6.140 | 476 | 485 | 492 | rBV4 | 6635731 | 17368550 | 53.46% | 2.772% |
| 23 | 6.264 | 498 | 506 | 512 | rVB2 | 3456503 | 8289351 | 25.52% | 1.323% |
| 24 | 6.358 | 515 | 522 | 529 | rBV5 | 6699987 | 15295920 | 47.08% | 2.441% |
| 25 | 6.434 | 529 | 535 | 539 | rBV | 9080378 | 16598918 | 51.09% | 2.649% |
| 26 | 6.505 | 539 | 547 | 551 | rVV3 | 9303226 | 23771359 | 73.17% | 3.794% |
| 27 | 6.540 | 551 | 553 | 559 | rVV | 7020276 | 9683561 | 29.81% | 1.546% |
| 28 | 6.622 | 563 | 567 | 572 | rVB2 | 2518439 | 4098611 | 12.62% | 0.654% |
| 29 | 6.681 | 572 | 577 | 583 | rVB4 | 3063771 | 5561295 | 17.12% | 0.888% |
| 30 | 6.769 | 583 | 592 | 597 | rVB3 | 4927720 | 13019776 | 40.08% | 2.078% |
| 31 | 6.840 | 597 | 604 | 605 | rBV2 | 5112210 | 8747419 | 26.93% | 1.396% |
| 32 | 6.869 | 606 | 609 | 614 | rVB | 7332016 | 10774808 | 33.17% | 1.720% |
| 33 | 6.922 | 614 | 618 | 621 | rBV2 | 2696139 | 4046201 | 12.45% | 0.646% |
| 34 | 6.963 | 621 | 625 | 628 | rVV2 | 3019599 | 4595700 | 14.15% | 0.734% |
| 35 | 7.011 | 628 | 633 | 641 | rVB5 | 7843176 | 19774371 | 60.87% | 3.156% |
| 36 | 7.087 | 642 | 646 | 651 | rVB | 3275109 | 4860274 | 14.96% | 0.776% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

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_P\Methods\8270E-BP110221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 7.146 | 652 | 656 | 659 | rBV | 1178197 | 1735787 | 5.34% | 0.277% |
| 38 | 7.193 | 659 | 664 | 669 | rVB5 | 2801907 | 5120343 | 15.76% | 0.817% |
| 39 | 7.252 | 669 | 674 | 677 | rBV3 | 4254501 | 6354557 | 19.56% | 1.014% |
| 40 | 7.287 | 677 | 680 | 683 | rBV3 | 1157245 | 1447717 | 4.46% | 0.231% |
| 41 | 7.358 | 683 | 692 | 697 | rVV | 5379635 | 13250359 | 40.79% | 2.115% |
| 42 | 7.428 | 701 | 704 | 712 | rVB3 | 3731278 | 7287219 | 22.43% | 1.163% |
| 43 | 7.511 | 712 | 718 | 723 | rBV2 | 15666796 | 26738276 | 82.30% | 4.268% |
| 44 | 7.587 | 729 | 731 | 737 | rVB3 | 2891246 | 4477095 | 13.78% | 0.715% |
| 45 | 7.640 | 737 | 740 | 743 | rBV | 1237781 | 1341704 | 4.13% | 0.214% |
| 46 | 7.693 | 743 | 749 | 750 | rBV4 | 2650755 | 4583783 | 14.11% | 0.732% |
| 47 | 7.769 | 758 | 762 | 764 | rBV2 | 3769537 | 5602855 | 17.25% | 0.894% |
| 48 | 7.869 | 771 | 779 | 783 | rVB | 13003849 | 26609883 | 81.91% | 4.247% |
| 49 | 7.910 | 783 | 786 | 787 | rBV | 842225 | 1017550 | 3.13% | 0.162% |
| 50 | 7.946 | 787 | 792 | 796 | rBV4 | 2876549 | 6344985 | 19.53% | 1.013% |
| 51 | 8.069 | 807 | 813 | 817 | rBV3 | 4587224 | 7187318 | 22.12% | 1.147% |
| 52 | 8.169 | 821 | 830 | 836 | rVB2 | 8230442 | 19241105 | 59.23% | 3.071% |
| 53 | 8.222 | 836 | 839 | 846 | rVB3 | 3387070 | 5965816 | 18.36% | 0.952% |
| 54 | 8.310 | 850 | 854 | 859 | rBV3 | 2464993 | 4132544 | 12.72% | 0.660% |
| 55 | 8.363 | 859 | 863 | 865 | rBV2 | 1479574 | 2376157 | 7.31% | 0.379% |
| 56 | 8.410 | 867 | 871 | 878 | rVB3 | 5688982 | 11829891 | 36.41% | 1.888% |
| 57 | 8.469 | 878 | 881 | 884 | rVB | 2495375 | 2825419 | 8.70% | 0.451% |
| 58 | 8.510 | 884 | 888 | 891 | rBV2 | 4358946 | 6903915 | 21.25% | 1.102% |
| 59 | 8.640 | 905 | 910 | 913 | rBV2 | 3141487 | 5256916 | 16.18% | 0.839% |
| 60 | 8.705 | 917 | 921 | 925 | rVB | 4212406 | 6667584 | 20.52% | 1.064% |
| 61 | 8.816 | 937 | 940 | 943 | rBV | 1078112 | 1487795 | 4.58% | 0.237% |
| 62 | 8.869 | 944 | 949 | 957 | rVV4 | 2247257 | 5853809 | 18.02% | 0.934% |
| 63 | 8.975 | 957 | 967 | 977 | rVV5 | 10522216 | 32487835 | 100.00% | 5.185% |
| 64 | 9.069 | 978 | 983 | 986 | rVV4 | 5497537 | 11756421 | 36.19% | 1.876% |
| 65 | 9.116 | 986 | 991 | 999 | rVB | 11598417 | 21745340 | 66.93% | 3.471% |
| 66 | 9.310 | 1016 | 1024 | 1026 | rBV7 | 2426469 | 5522820 | 17.00% | 0.882% |
| 67 | 9.522 | 1052 | 1060 | 1064 | rBV3 | 3049614 | 7213876 | 22.20% | 1.151% |
| 68 | 9.593 | 1069 | 1072 | 1077 | rVB3 | 3342421 | 4994123 | 15.37% | 0.797% |
| 69 | 9.752 | 1093 | 1099 | 1103 | rBV3 | 2292866 | 4441990 | 13.67% | 0.709% |
| 70 | 9.799 | 1103 | 1107 | 1111 | rVV2 | 4869407 | 7730476 | 23.79% | 1.234% |
| 71 | 9.852 | 1111 | 1116 | 1124 | rVB5 | 4986036 | 9686358 | 29.82% | 1.546% |
| 72 | 9.946 | 1124 | 1132 | 1137 | rVB4 | 2693765 | 7445013 | 22.92% | 1.188% |
| 73 | 10.016 | 1137 | 1144 | 1148 | rBV3 | 2207837 | 3736782 | 11.50% | 0.596% |
| 74 | 10.069 | 1148 | 1153 | 1160 | rBV2 | 4512430 | 9410878 | 28.97% | 1.502% |
| 75 | 10.199 | 1171 | 1175 | 1179 | rBV2 | 1310825 | 1863899 | 5.74% | 0.297% |
| 76 | 10.252 | 1179 | 1184 | 1189 | rVV5 | 909447 | 1623025 | 5.00% | 0.259% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

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_P\Methods\8270E-BP110221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 10.363 | 1198 | 1203 | 1207 | rBV | 1669117 | 2688475 | 8.28% | 0.429% |
| 78 | 10.446 | 1213 | 1217 | 1222 | rVB4 | 621749 | 1041135 | 3.20% | 0.166% |
| 79 | 10.528 | 1226 | 1231 | 1234 | rVV3 | 1099607 | 1959673 | 6.03% | 0.313% |
| 80 | 10.563 | 1234 | 1237 | 1243 | rVV4 | 1281136 | 2628577 | 8.09% | 0.420% |
| 81 | 10.640 | 1243 | 1250 | 1256 | rVV3 | 4816509 | 9967759 | 30.68% | 1.591% |
| 82 | 10.704 | 1256 | 1261 | 1269 | rVV3 | 1924480 | 4551374 | 14.01% | 0.726% |
| 83 | 10.775 | 1269 | 1273 | 1278 | rVV4 | 1094287 | 2169933 | 6.68% | 0.346% |
| 84 | 10.828 | 1278 | 1282 | 1287 | rVV | 2570474 | 3811953 | 11.73% | 0.608% |
| 85 | 10.881 | 1287 | 1291 | 1299 | rVB4 | 767906 | 1475914 | 4.54% | 0.236% |
| 86 | 10.957 | 1300 | 1304 | 1309 | rVB3 | 548321 | 962043 | 2.96% | 0.154% |
| 87 | 11.028 | 1312 | 1316 | 1320 | rBV3 | 396895 | 626857 | 1.93% | 0.100% |
| 88 | 11.363 | 1362 | 1373 | 1381 | rVV6 | 746801 | 2246928 | 6.92% | 0.359% |
| 89 | 11.575 | 1402 | 1409 | 1416 | rVB5 | 341253 | 929312 | 2.86% | 0.148% |
| 90 | 11.687 | 1423 | 1428 | 1437 | rBV | 694360 | 1416186 | 4.36% | 0.226% |
| 91 | 12.081 | 1489 | 1495 | 1505 | rBV3 | 310865 | 573850 | 1.77% | 0.092% |
| 92 | 12.310 | 1525 | 1534 | 1541 | rVB | 693053 | 1304221 | 4.01% | 0.208% |
| 93 | 13.110 | 1663 | 1670 | 1676 | rBV | 2621234 | 3809595 | 11.73% | 0.608% |
| 94 | 14.487 | 1895 | 1904 | 1910 | rBV | 782319 | 1195401 | 3.68% | 0.191% |
| 95 | 15.975 | 2151 | 2157 | 2168 | rBV | 2611938 | 3656259 | 11.25% | 0.584% |
| 96 | 17.239 | 2363 | 2372 | 2377 | rBV | 1105081 | 1586256 | 4.88% | 0.253% |
| 97 | 19.804 | 2803 | 2808 | 2813 | rVB | 6189940 | 7393869 | 22.76% | 1.180% |
| 98 | 21.327 | 3062 | 3067 | 3072 | rBV | 1866461 | 2631364 | 8.10% | 0.420% |
| 99 | 22.592 | 3278 | 3282 | 3289 | rVB | 840869 | 1215298 | 3.74% | 0.194% |
| 100 | 23.739 | 3470 | 3477 | 3493 | rVB2 | 1440745 | 3084971 | 9.50% | 0.492% |

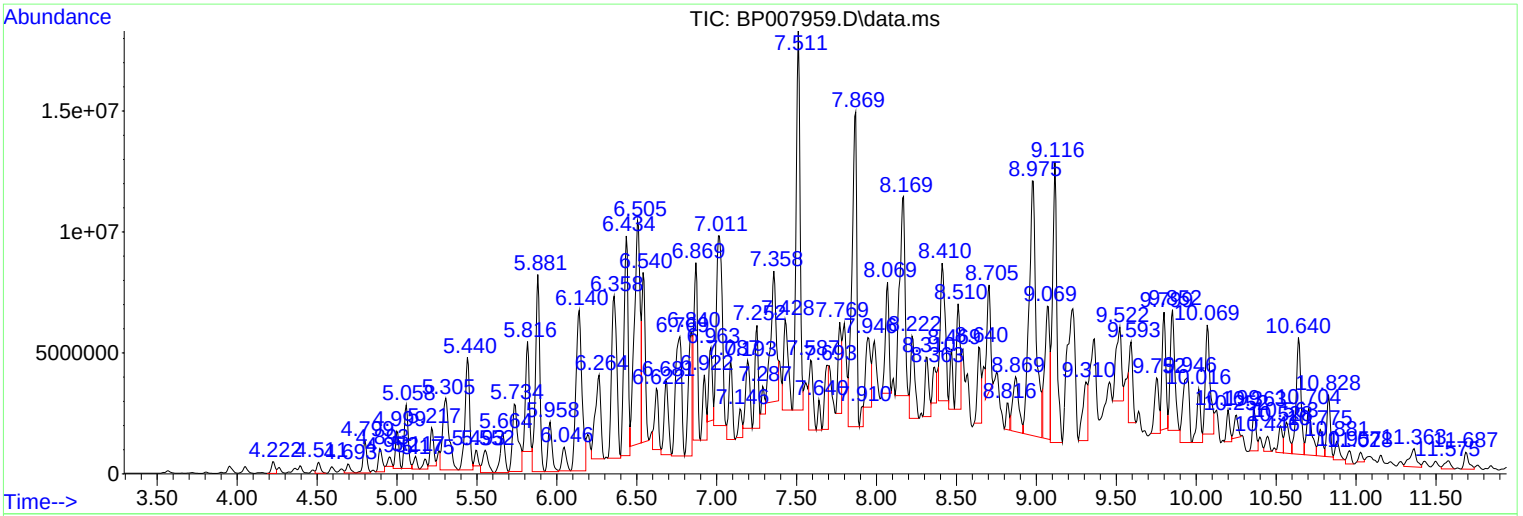
Sum of corrected areas: 626523586

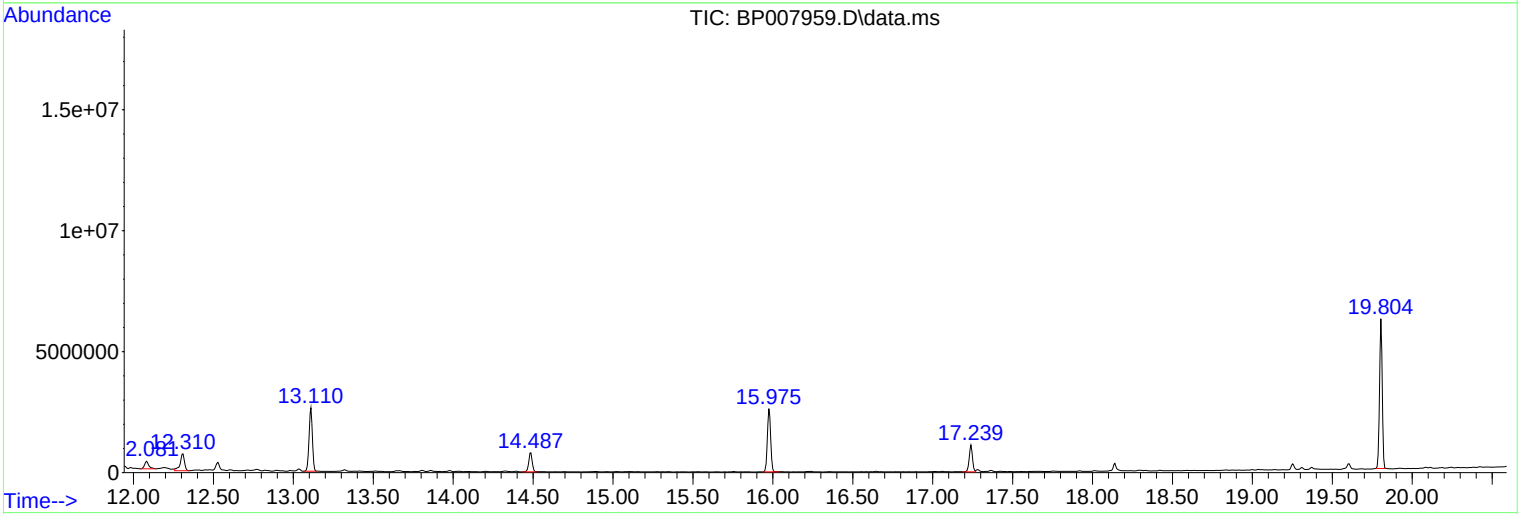
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

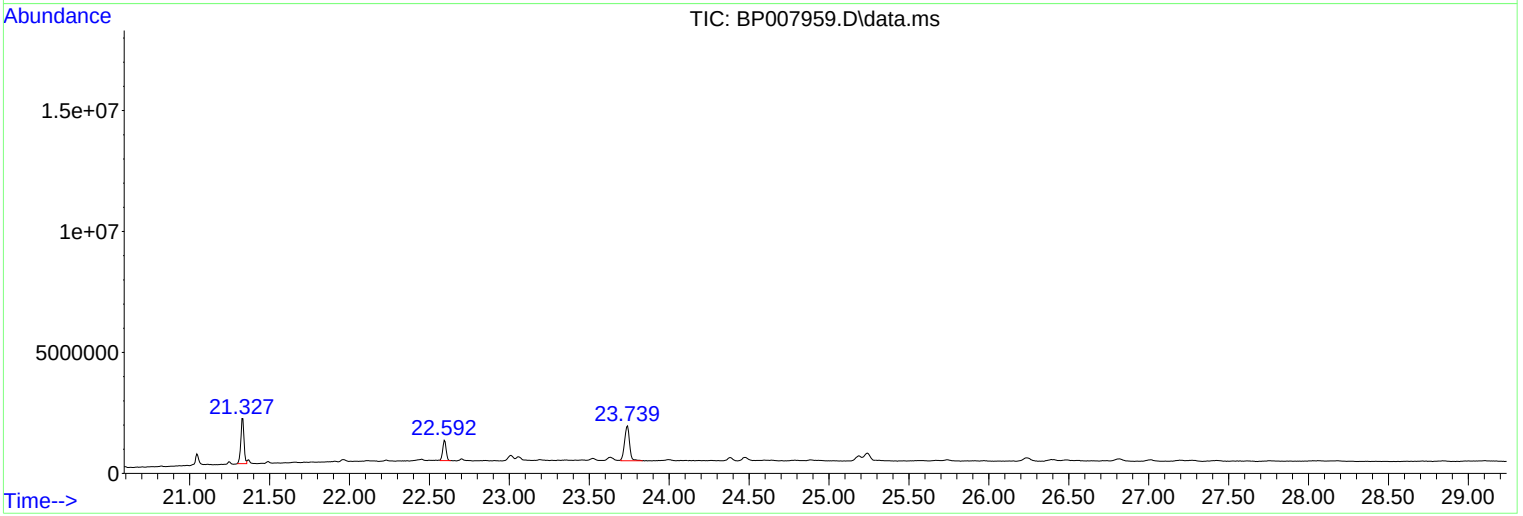
**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

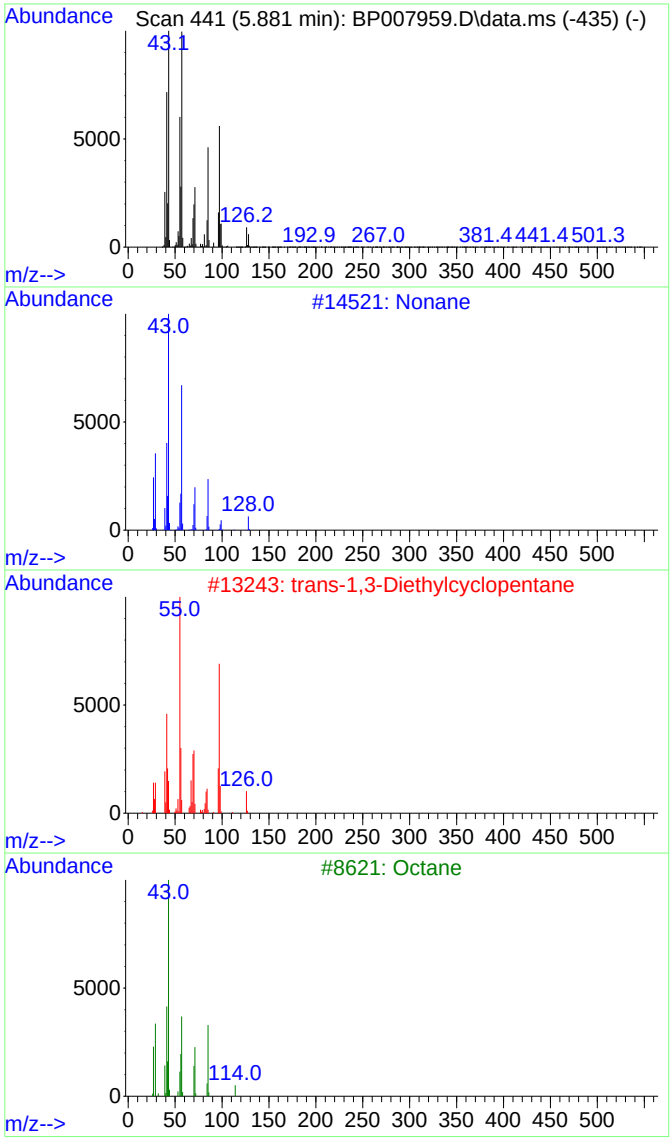
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

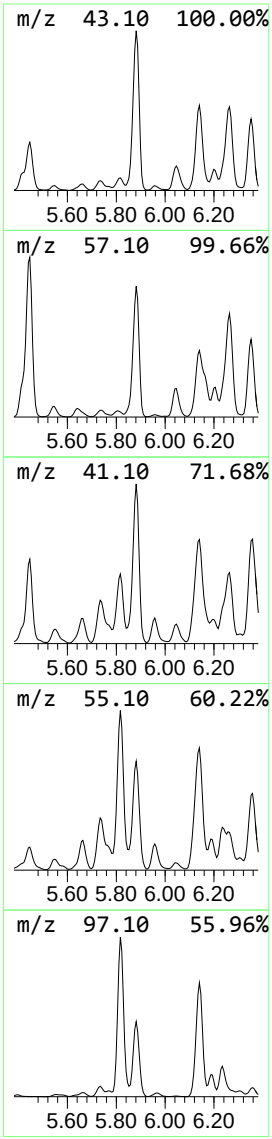
**********

Peak Number 1 Nonane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.881 | 11.31 ng | 15053100 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane | 128 | C9H20 | 000111-84-2 | 64 |
| 2 | trans-1,3-Diethylcyclopentane | 126 | C9H18 | 1000113-87-1 | 45 |
| 3 | Octane | 114 | C8H18 | 000111-65-9 | 38 |
| 4 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 004926-78-7 | 38 |
| 5 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

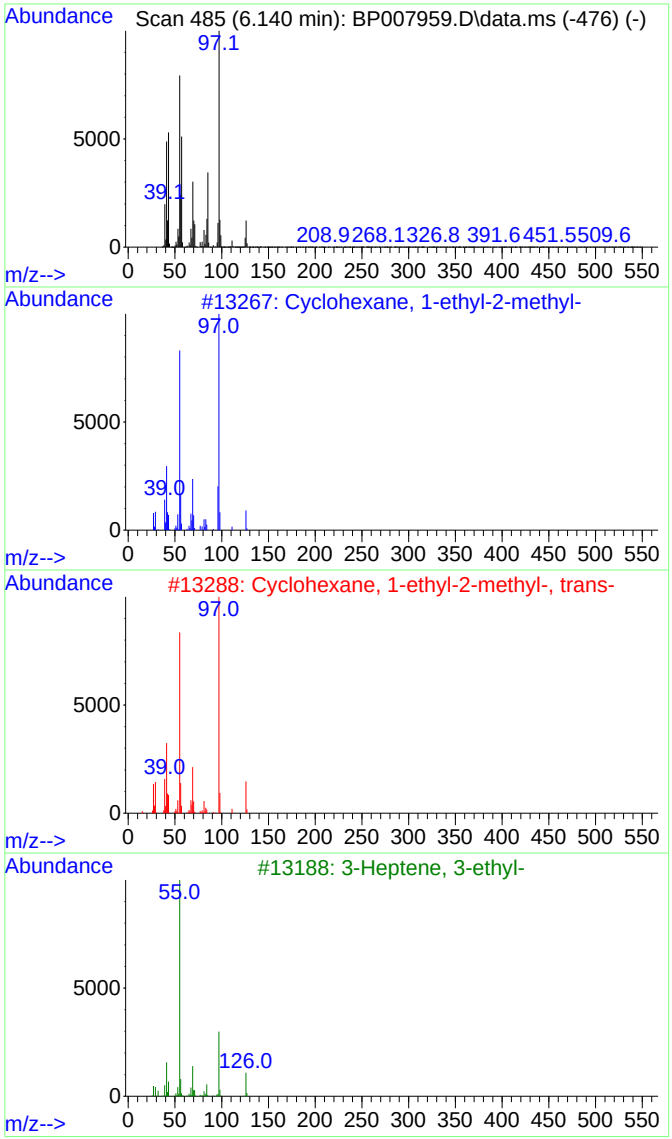
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

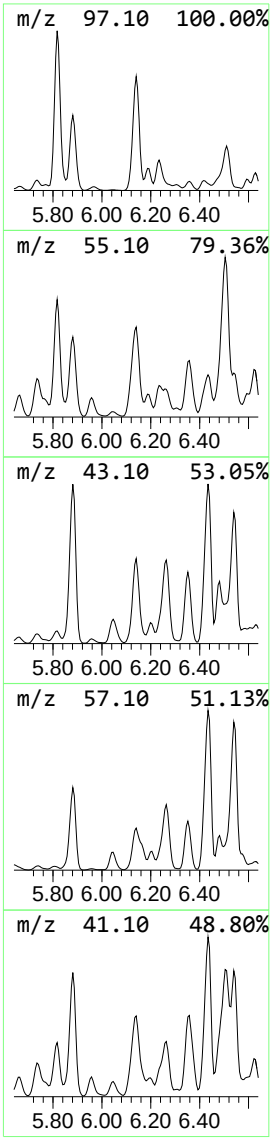
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.140 | 13.05 ng | 17368600 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-ethyl-2-methyl- | 126 | C9H18 | 003728-54-9 | 70 |
| 2 | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18 | 004923-78-8 | 62 |
| 3 | 3-Heptene, 3-ethyl- | 126 | C9H18 | 074764-46-8 | 60 |
| 4 | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18 | 004923-77-7 | 53 |
| 5 | trans-1,2-Diethyl cyclopentane | 126 | C9H18 | 000932-40-1 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

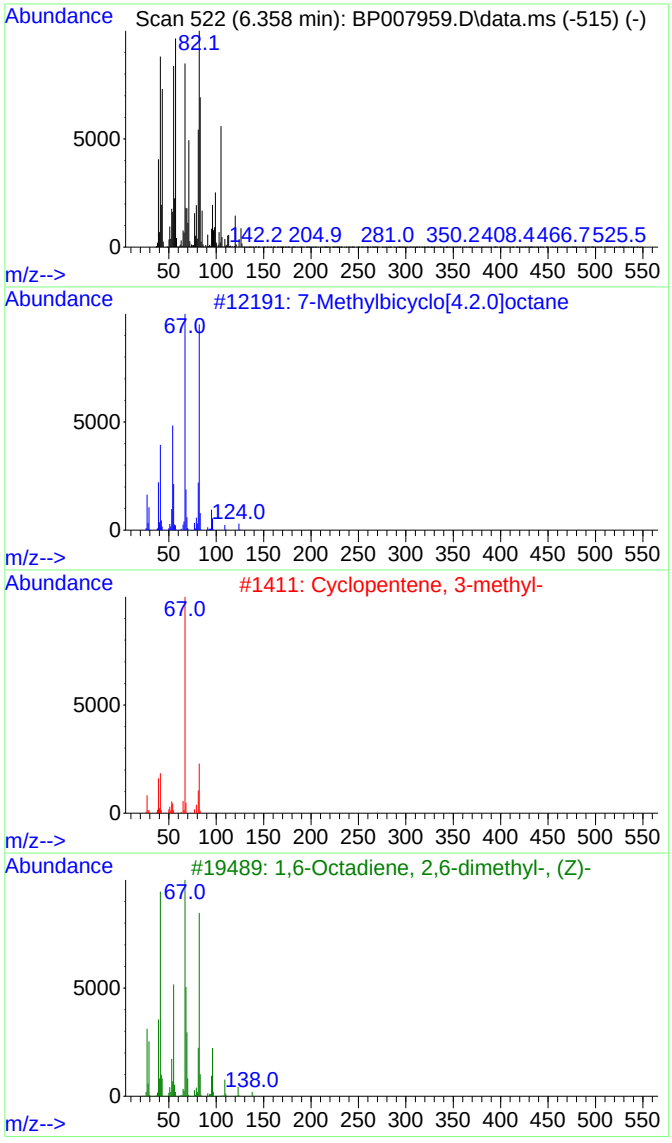
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

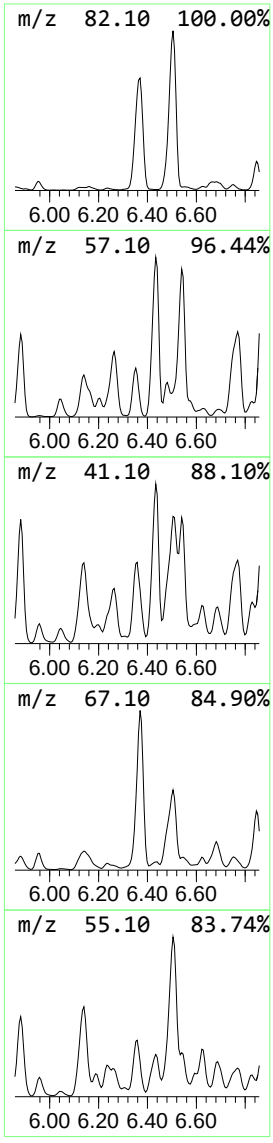
**********

Peak Number 3 unknown6.358 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.358 | 11.50 ng | 15295900 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Methylbicyclo[4.2.0]octane | 124 | C9H16 | 1000210-90-2 | 45 |
| 2 | Cyclopentene, 3-methyl- | 82 | C6H10 | 001120-62-3 | 43 |
| 3 | 1,6-Octadiene, 2,6-dimethyl-, (Z)- | 138 | C10H18 | 006874-34-6 | 43 |
| 4 | trans-1,4-Hexadiene | 82 | C6H10 | 007319-00-8 | 43 |
| 5 | (Z),(Z)-2,4-Hexadiene | 82 | C6H10 | 006108-61-8 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

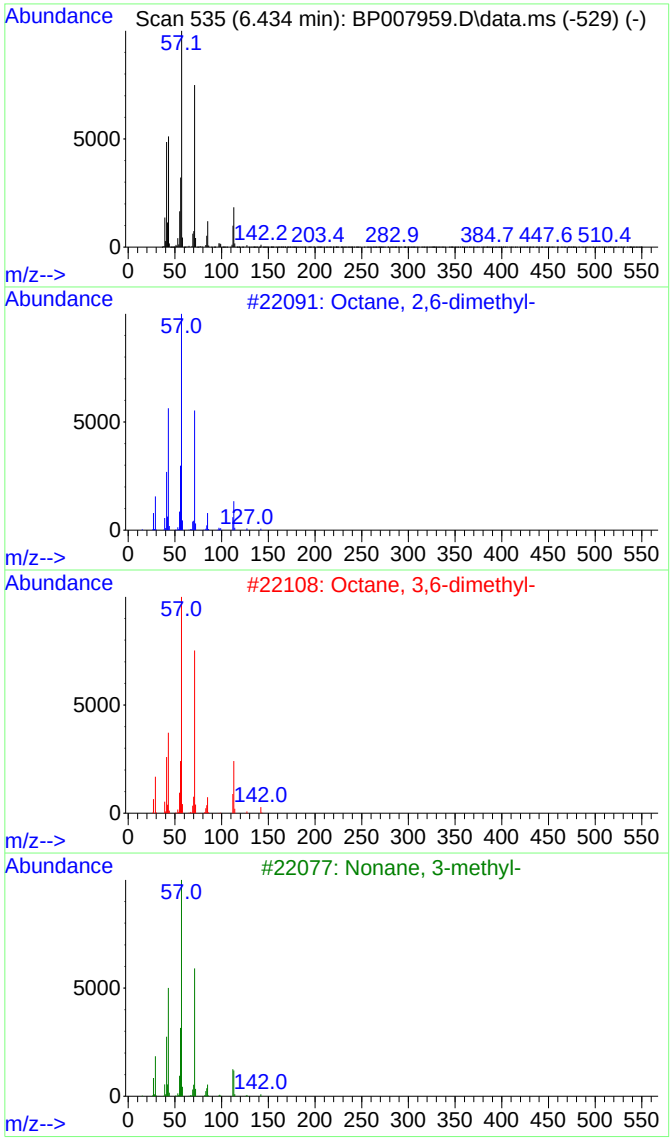
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

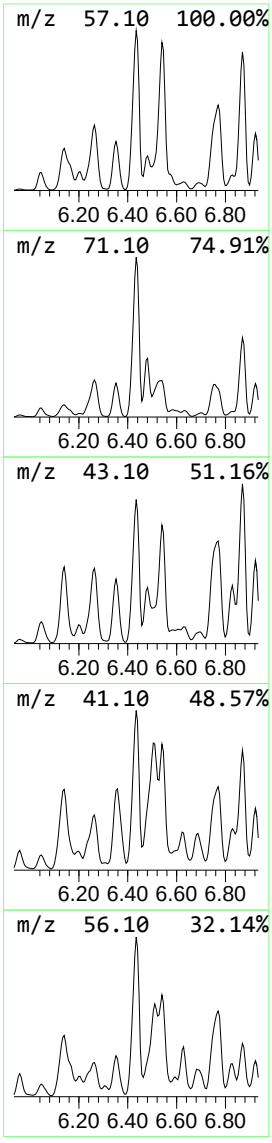
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Octane, 2,6-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.434 | 12.48 ng | 16598900 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 93 |
| 2 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 91 |
| 3 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 90 |
| 4 | Sulfurous acid, 2-ethylhexyl hex... | 418 | C24H50O3S | 1000309-19-9 | 72 |
| 5 | Sulfurous acid, di(2-ethylhexyl)... | 306 | C16H34O3S | 1000309-19-1 | 64 |



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Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

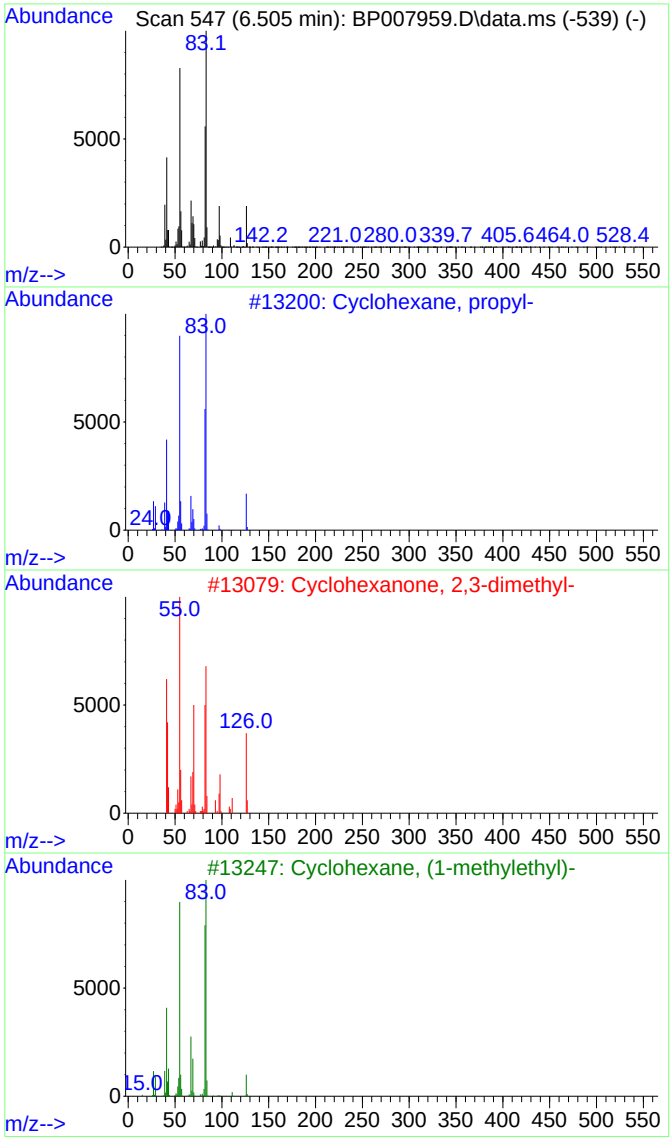
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

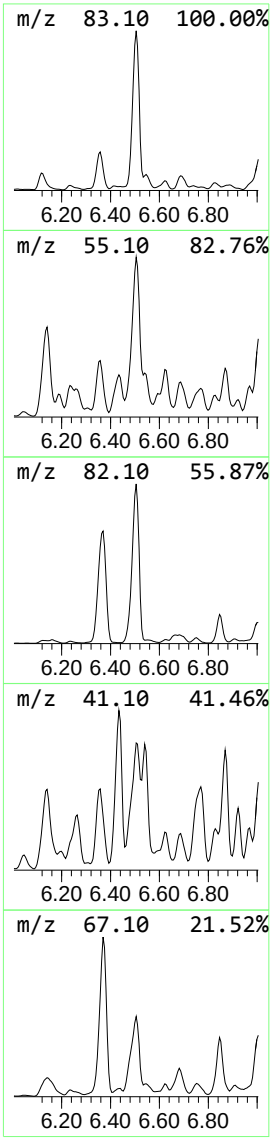
**********

Peak Number 5 Cyclohexane, propyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.505 | 17.87 ng | 23771400 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 90 |
| 2 | Cyclohexanone, 2,3-dimethyl- | 126 | C8H14O | 013395-76-1 | 86 |
| 3 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 72 |
| 4 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 59 |
| 5 | 3,3-Dimethylhex-5-en-2-one | 126 | C8H14O | 1000424-30-3 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

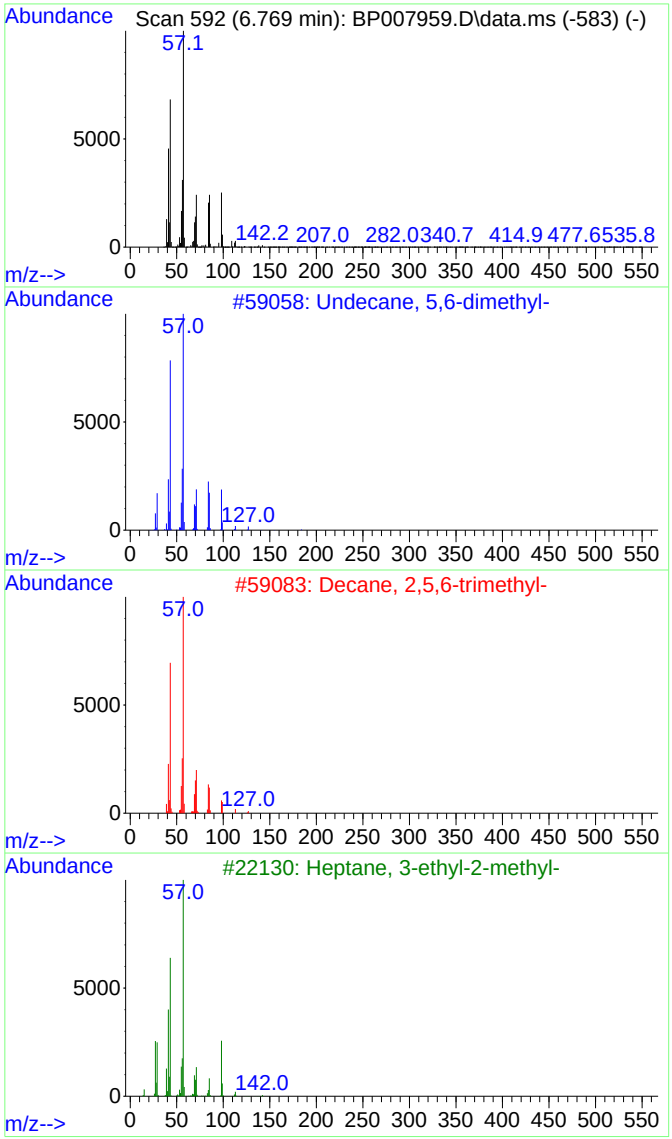
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

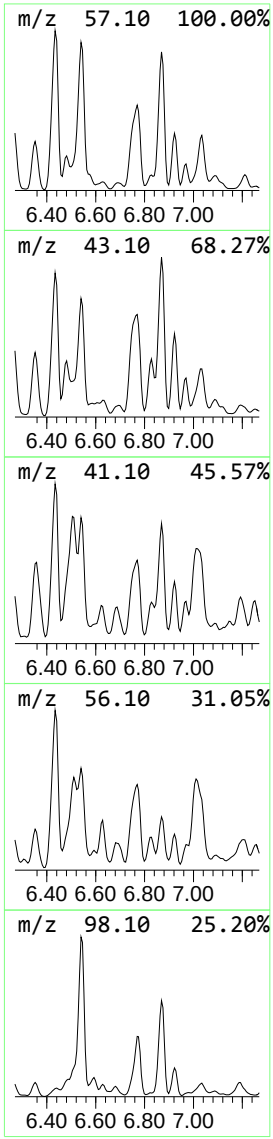
**********

Peak Number 6 Undecane, 5,6-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.769 | 9.79 ng | 13019800 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 5,6-dimethyl- | 184 | C13H28 | 017615-91-7 | 72 |
| 2 | Decane, 2,5,6-trimethyl- | 184 | C13H28 | 062108-23-0 | 64 |
| 3 | Heptane, 3-ethyl-2-methyl- | 142 | C10H22 | 014676-29-0 | 52 |
| 4 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 52 |
| 5 | Oxalic acid, isobutyl nonyl ester | 272 | C15H28O4 | 1010309-37-4 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

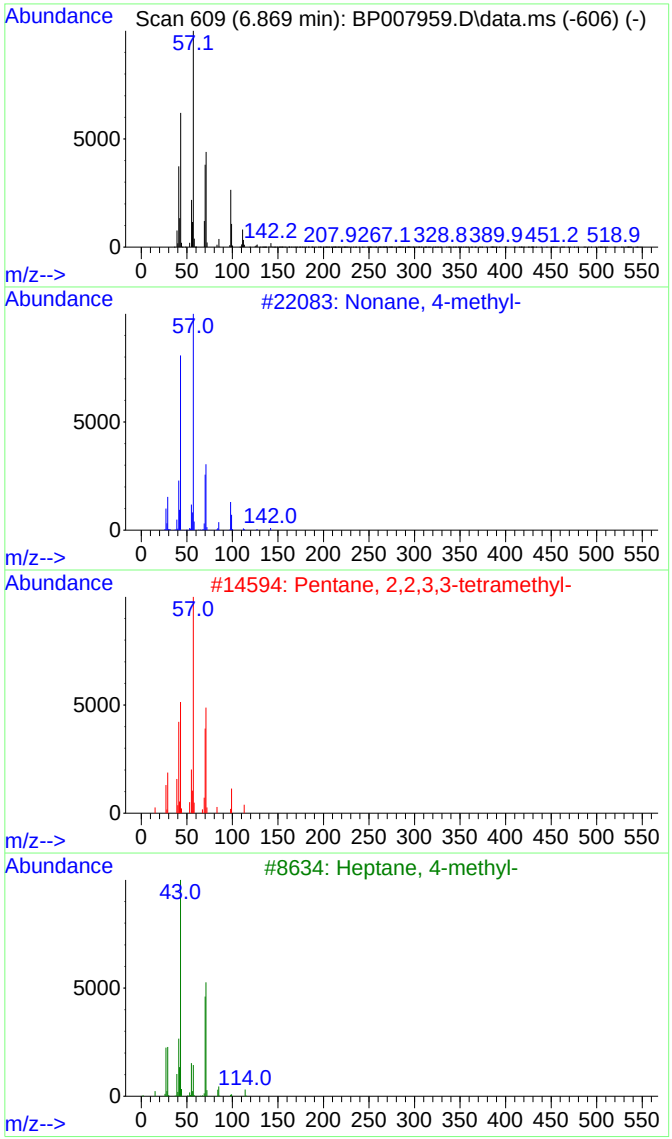
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

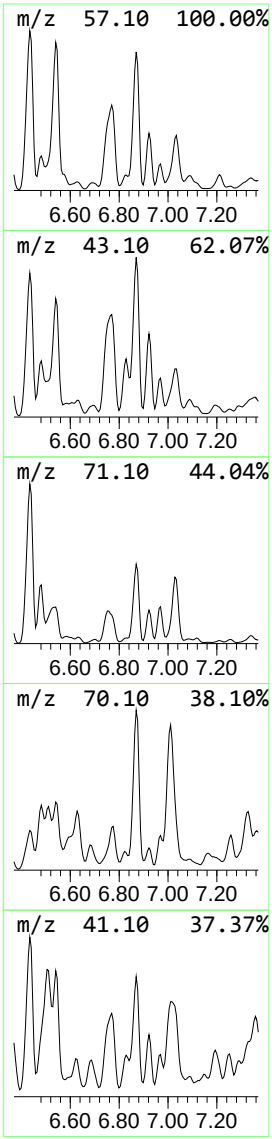
**********

Peak Number 7 Nonane, 4-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.869 | 8.10 ng | 10774800 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 64 |
| 2 | Pentane, 2,2,3,3-tetramethyl- | 128 | C9H20 | 007154-79-2 | 59 |
| 3 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 47 |
| 4 | Octane, 3,5-dimethyl- | 142 | C10H22 | 015869-93-9 | 46 |
| 5 | Heptane, 3-ethyl- | 128 | C9H20 | 015869-80-4 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

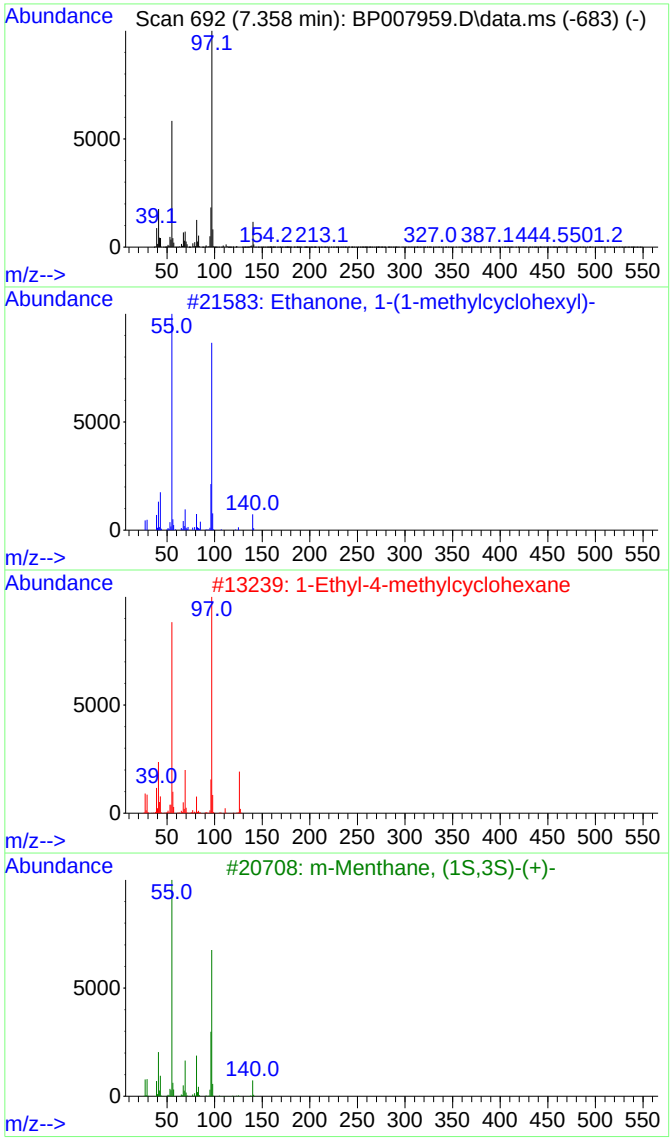
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

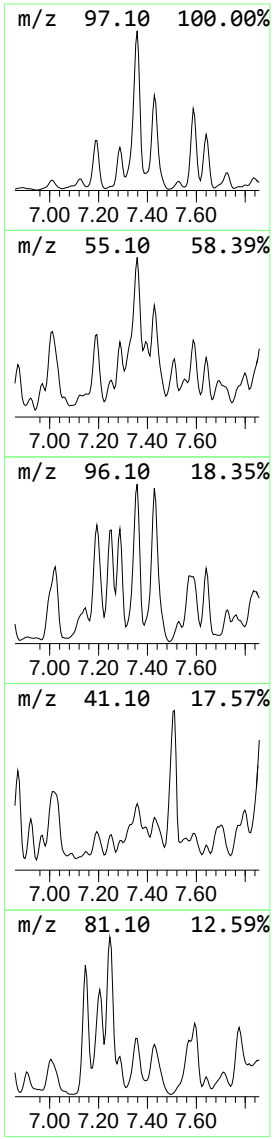
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Ethanone, 1-(1-methylcycloh... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.358 | 9.96 ng | 13250400 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-(1-methylcyclohexyl)- | 140 | C9H16O | 002890-62-2 | 72 |
| 2 | 1-Ethyl-4-methylcyclohexane | 126 | C9H18 | 003728-56-1 | 64 |
| 3 | m-Menthane, (1S,3S)-(+)- | 140 | C10H20 | 013837-67-7 | 59 |
| 4 | 2-Pyrazoline, 1-isobutyl-3-methyl- | 140 | C8H16N2 | 026964-53-4 | 59 |
| 5 | Benzeneacetic acid, 1-cyclopenty... | 232 | C15H20O2 | 1000282-63-7 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

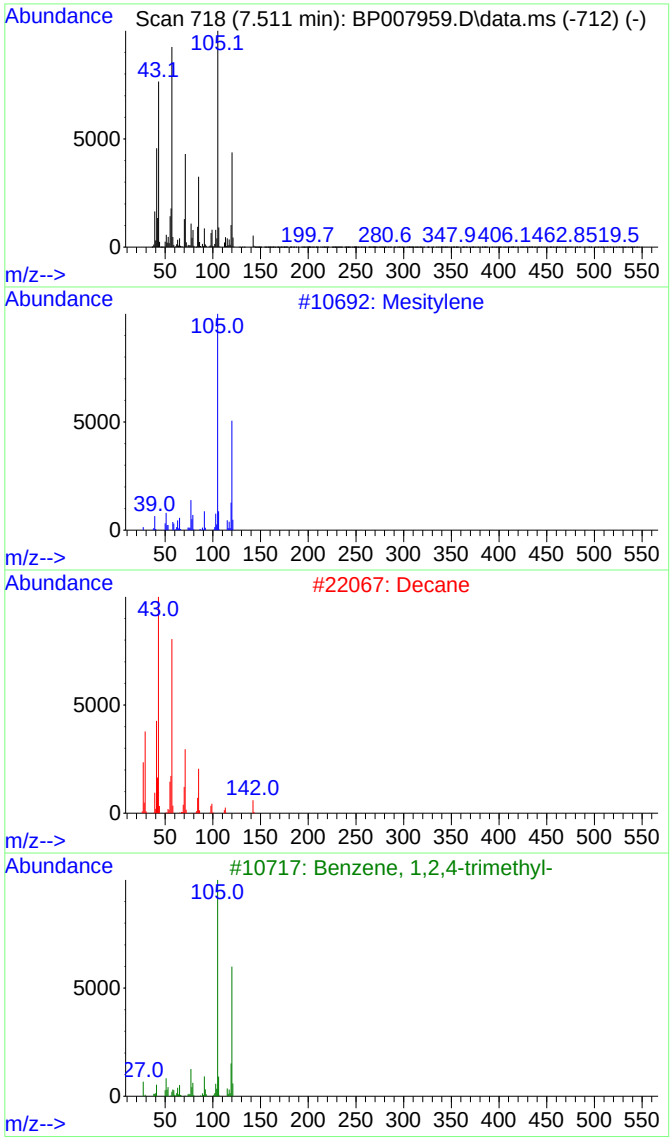
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

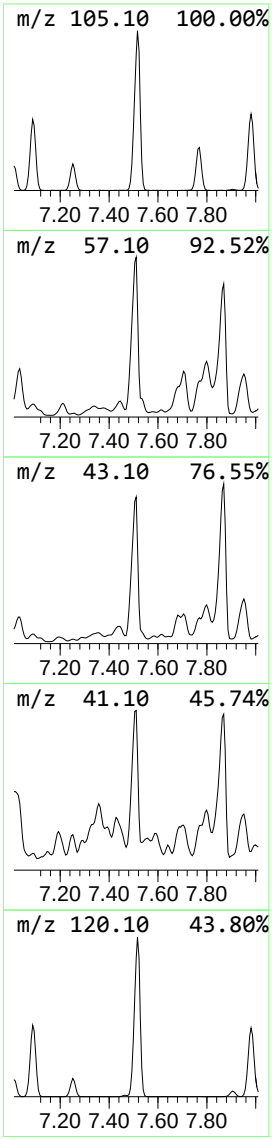
**********

Peak Number 9 Mesitylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.511 | 20.10 ng | 26738300 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 89 |
| 2 | Decane | 142 | C10H22 | 000124-18-5 | 87 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 86 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 86 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

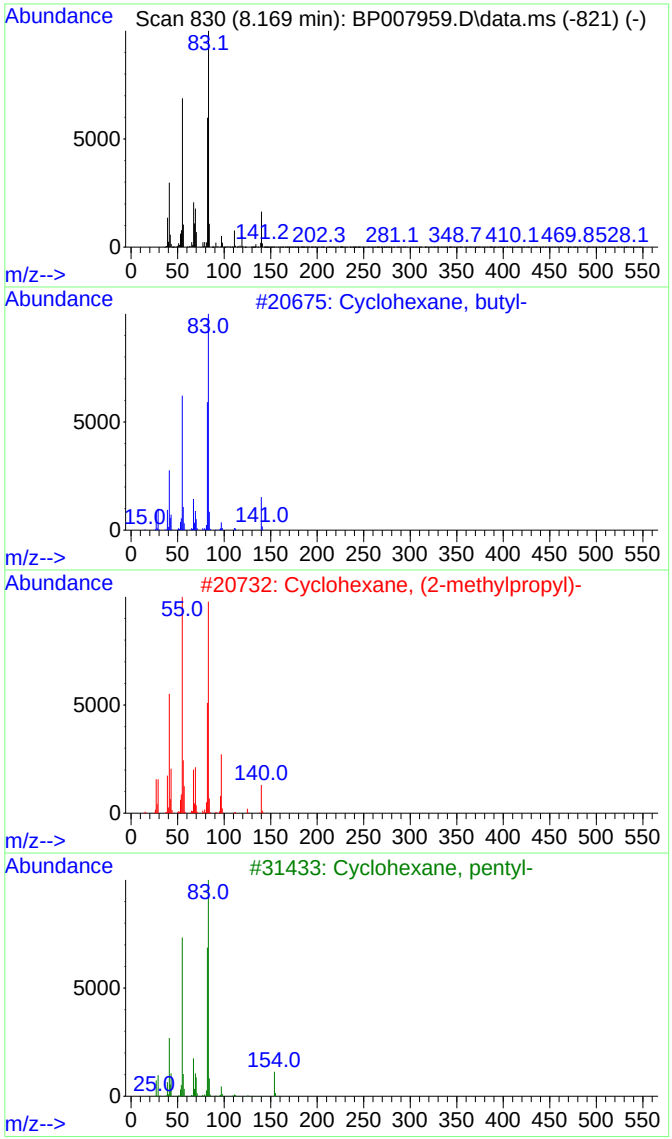
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

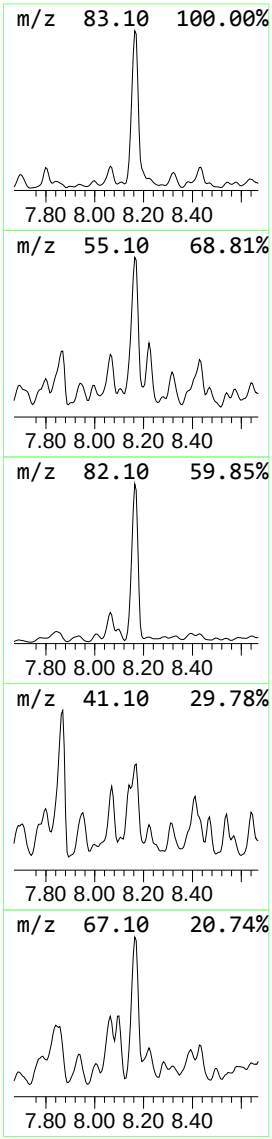
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Cyclohexane, butyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.169 | 14.46 ng | 19241100 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 94 |
| 2 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 72 |
| 3 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 72 |
| 4 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 72 |
| 5 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

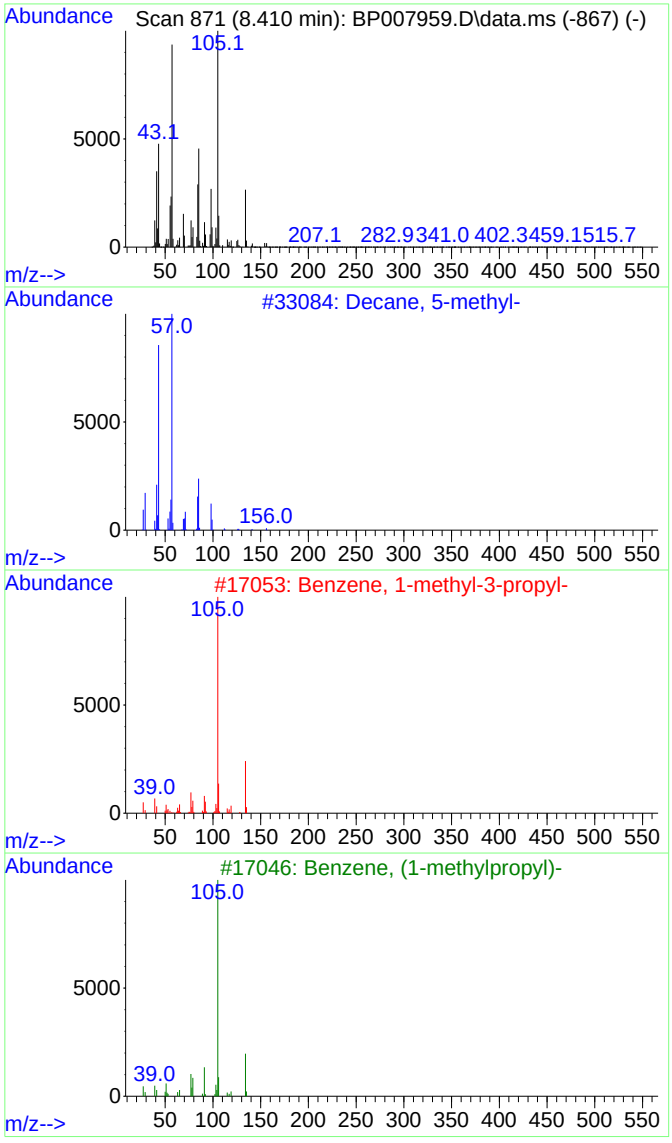
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

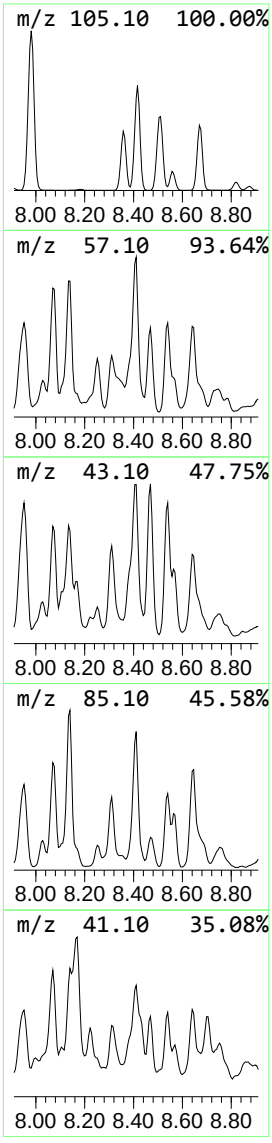
**********

Peak Number 11 unknown8.410 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.410 | 8.89 ng | 11829900 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 5-methyl- | 156 | C11H24 | 013151-35-4 | 46 |
| 2 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 35 |
| 3 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 35 |
| 4 | Sulfurous acid, hexyl heptyl ester | 264 | C13H28O3S | 1000309-12-9 | 35 |
| 5 | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O | 000093-53-8 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

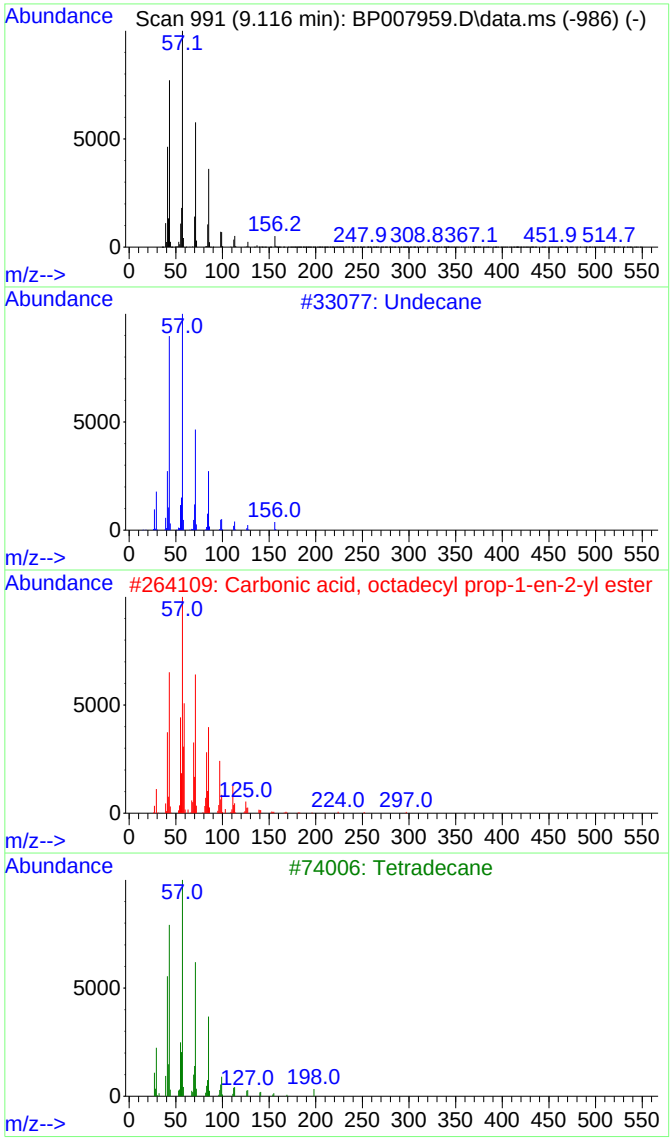
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

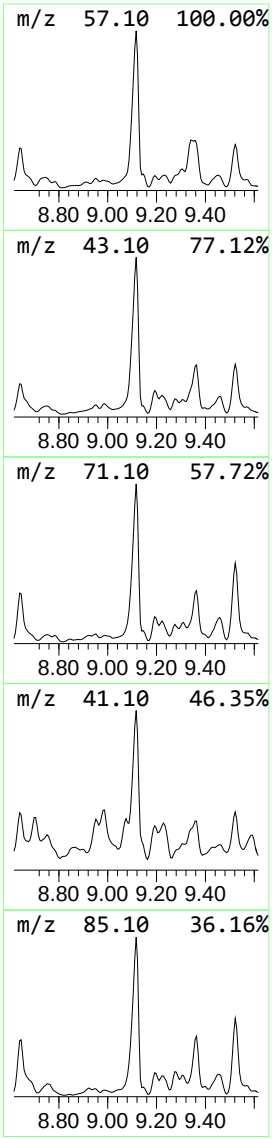
**********

Peak Number 12 Undecane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.116 | 16.34 ng | 21745300 | 1,4-Dichlorobenzene-d4 | 7.858 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 95 |
| 2 | Carbonic acid, octadecyl prop-1-... | 354 | C22H42O3 | 1000383-11-5 | 90 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 4 | Carbonic acid, tetradecyl vinyl ... | 284 | C17H32O3 | 1000382-54-5 | 90 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

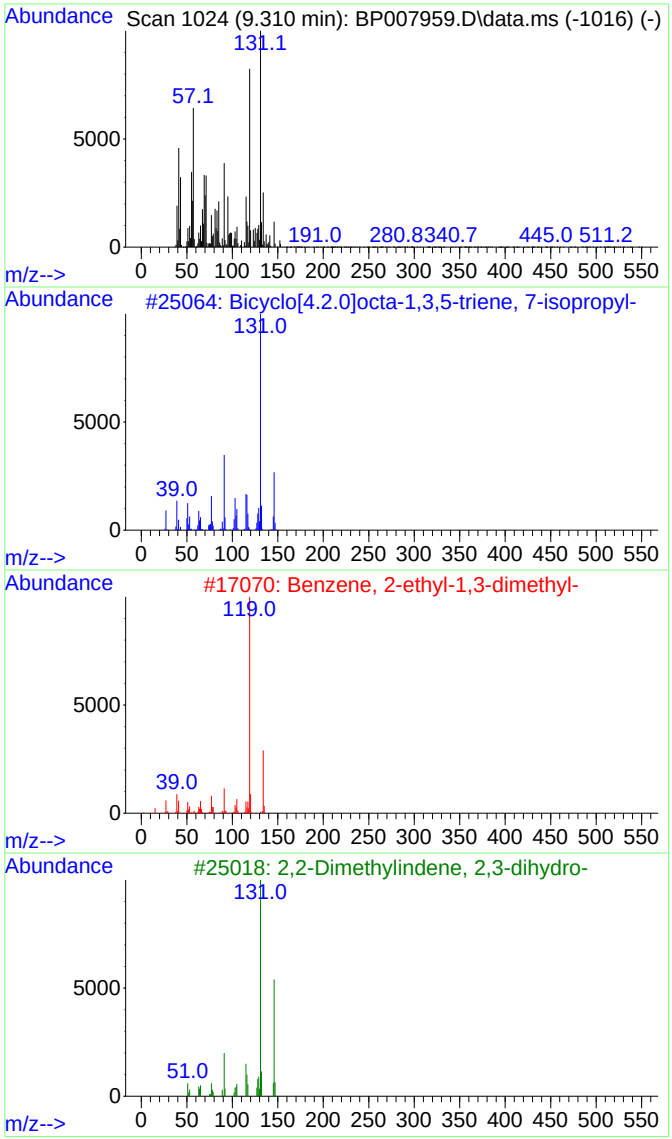
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

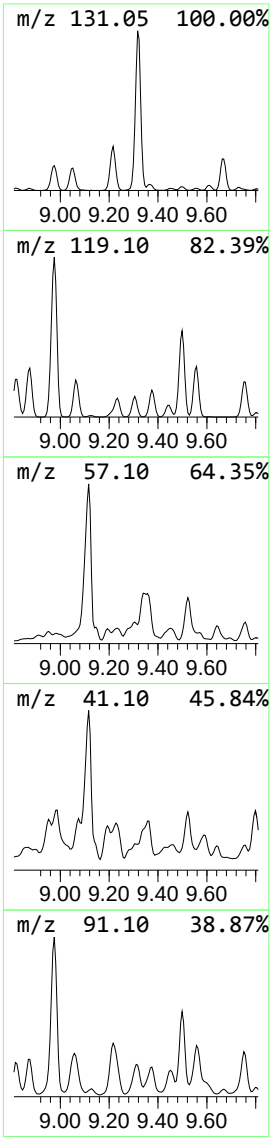
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.310 | 11.08 ng | 5522820 | Naphthalene-d8 | 10.652 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14 | 027087-54-3 | 83 |
| 2 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 80 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 52 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 52 |
| 5 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

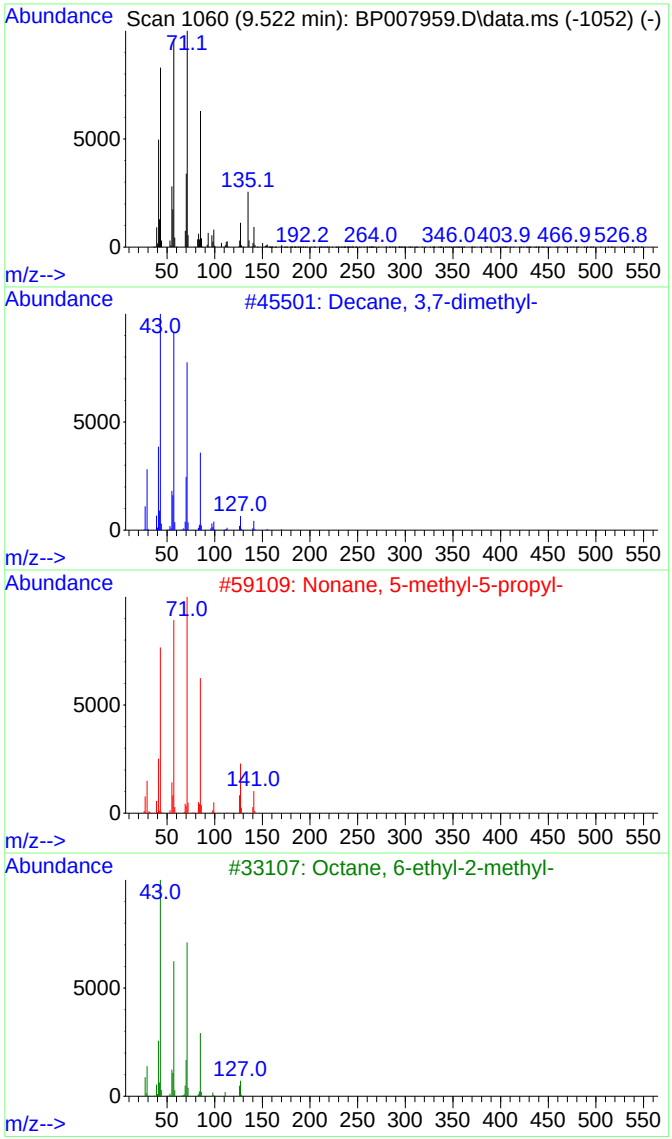
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

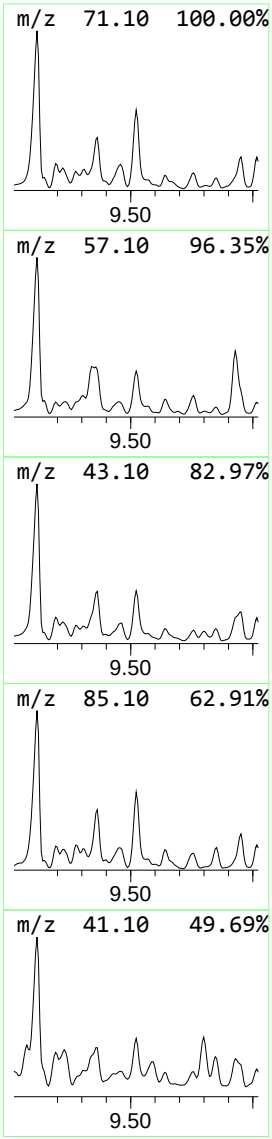
**********

Peak Number 14 Decane, 3,7-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.522 | 14.47 ng | 7213880 | Naphthalene-d8 | 10.652 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 3,7-dimethyl- | 170 | C12H26 | 017312-54-8 | 76 |
| 2 | Nonane, 5-methyl-5-propyl- | 184 | C13H28 | 017312-75-3 | 64 |
| 3 | Octane, 6-ethyl-2-methyl- | 156 | C11H24 | 062016-19-7 | 64 |
| 4 | Sulfurous acid, hexyl 2-pentyl e... | 236 | C11H24O3S | 1000309-15-6 | 53 |
| 5 | Sulfurous acid, isohexyl pentyl ... | 236 | C11H24O3S | 1000309-14-0 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

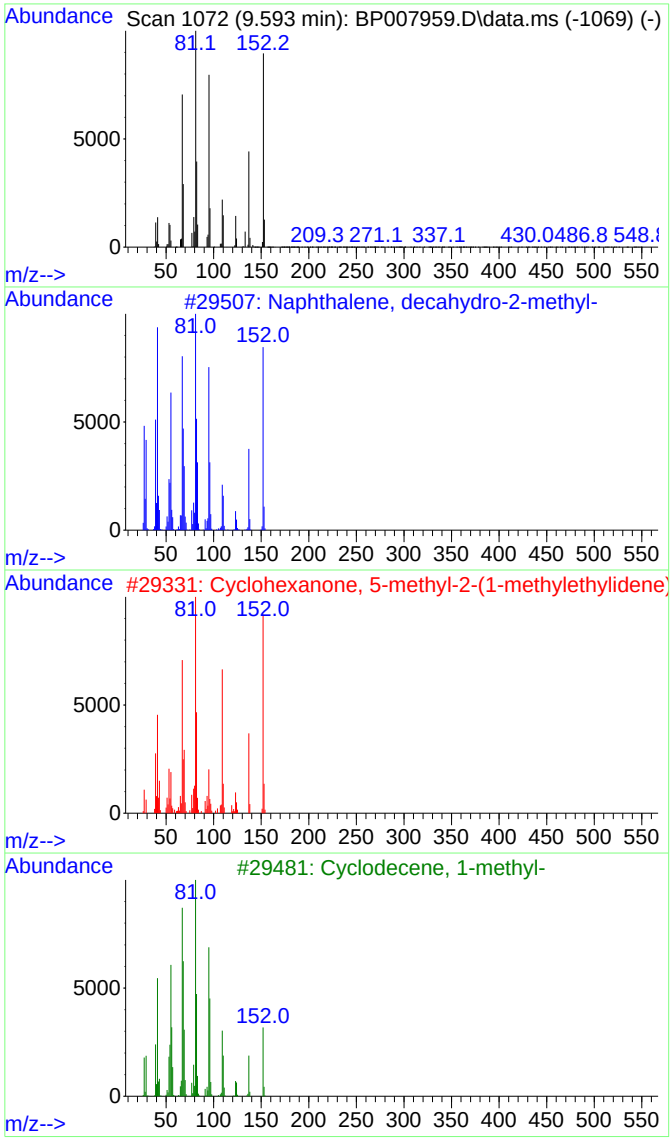
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

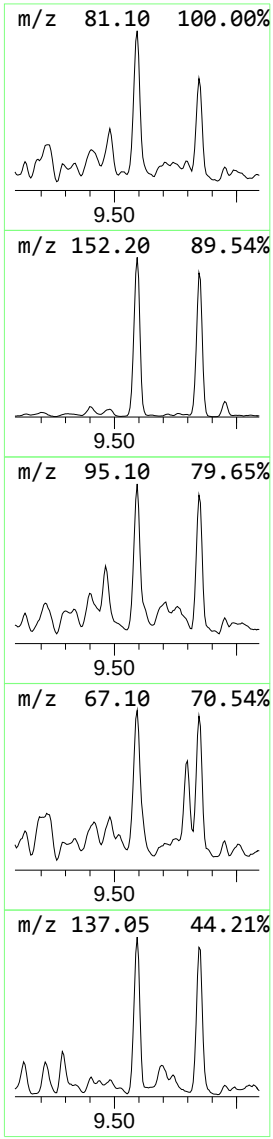
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Naphthalene, decahydro-2-me... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.593 | 10.02 ng | 4994120 | Naphthalene-d8 | 10.652 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro-2-methyl- | 152 | C11H20 | 002958-76-1 | 91 |
| 2 | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6 | 89 |
| 3 | Cyclodecene, 1-methyl- | 152 | C11H20 | 066633-38-3 | 86 |
| 4 | trans-Decalin, 2-methyl- | 152 | C11H20 | 1000152-47-3 | 72 |
| 5 | Pulegone | 152 | C10H16O | 000089-82-7 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

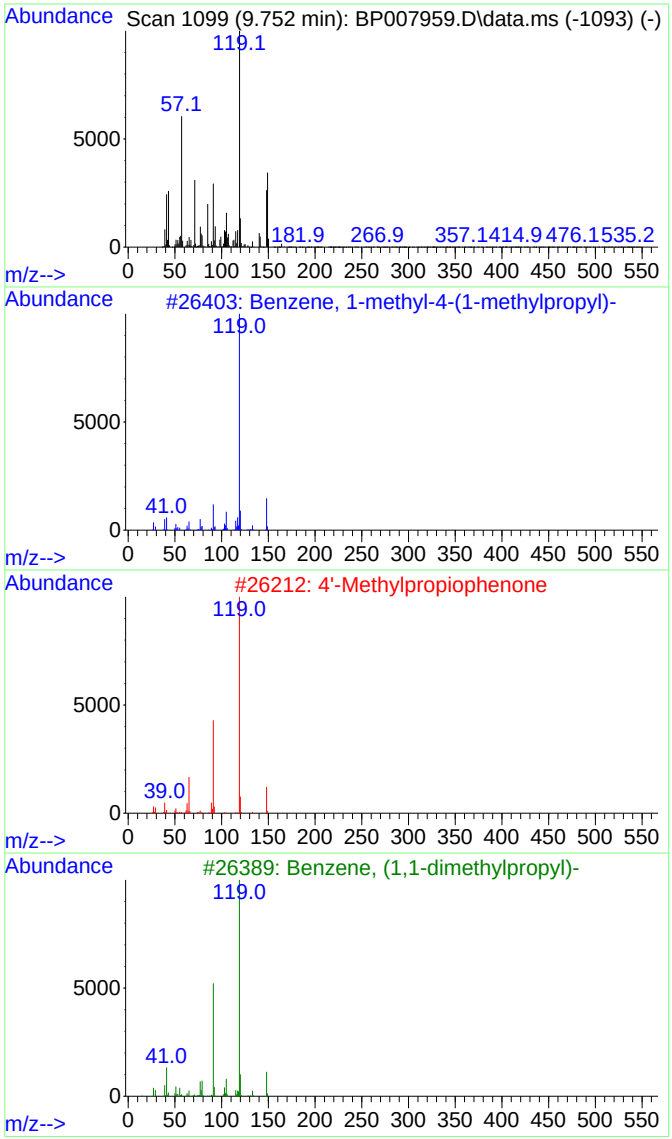
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

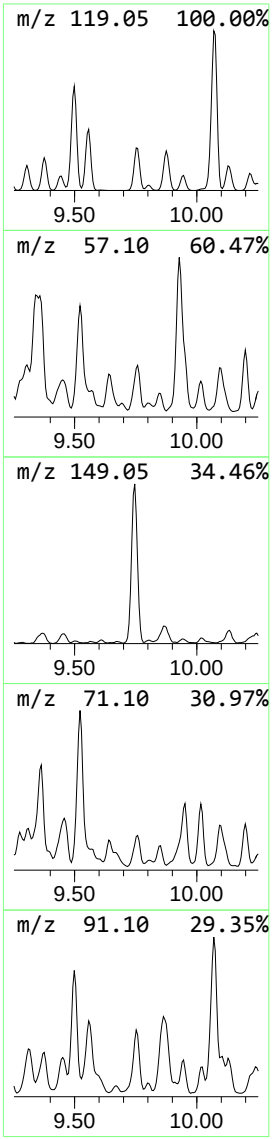
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Benzene, 1-methyl-4-(1-meth... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.752 | 8.91 ng | 4441990 | Naphthalene-d8 | 10.652 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16 | 001595-16-0 | 60 |
| 2 | 4'-Methylpropiophenone | 148 | C10H12O | 005337-93-9 | 49 |
| 3 | Benzene, (1,1-dimethylpropyl)- | 148 | C11H16 | 002049-95-8 | 49 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 45 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

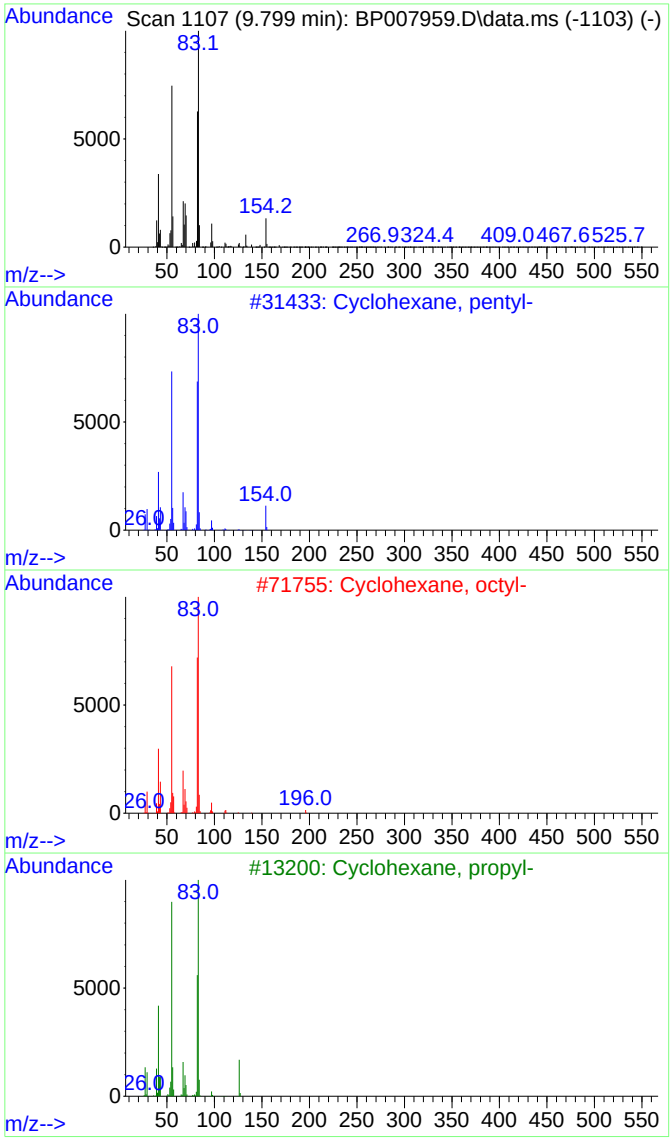
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

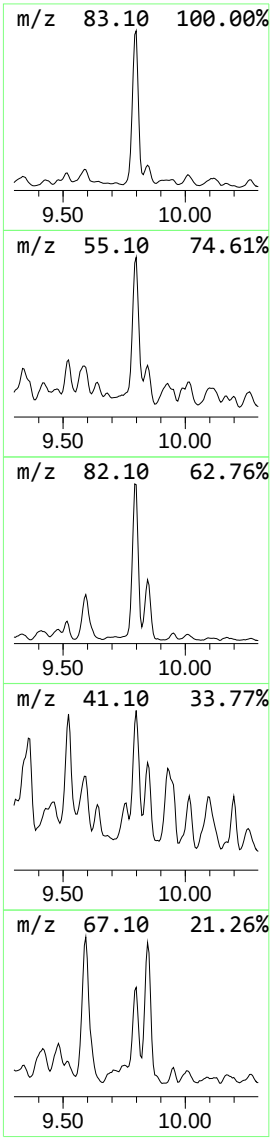
**********

Peak Number 17 Cyclohexane, pentyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.799 | 15.51 ng | 7730480 | Naphthalene-d8 | 10.652 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 90 |
| 2 | Cyclohexane, octyl- | 196 | C14H28 | 001795-15-9 | 72 |
| 3 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 72 |
| 4 | Pyridine, 2,3,4,5-tetrahydro- | 83 | C5H9N | 000505-18-0 | 64 |
| 5 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

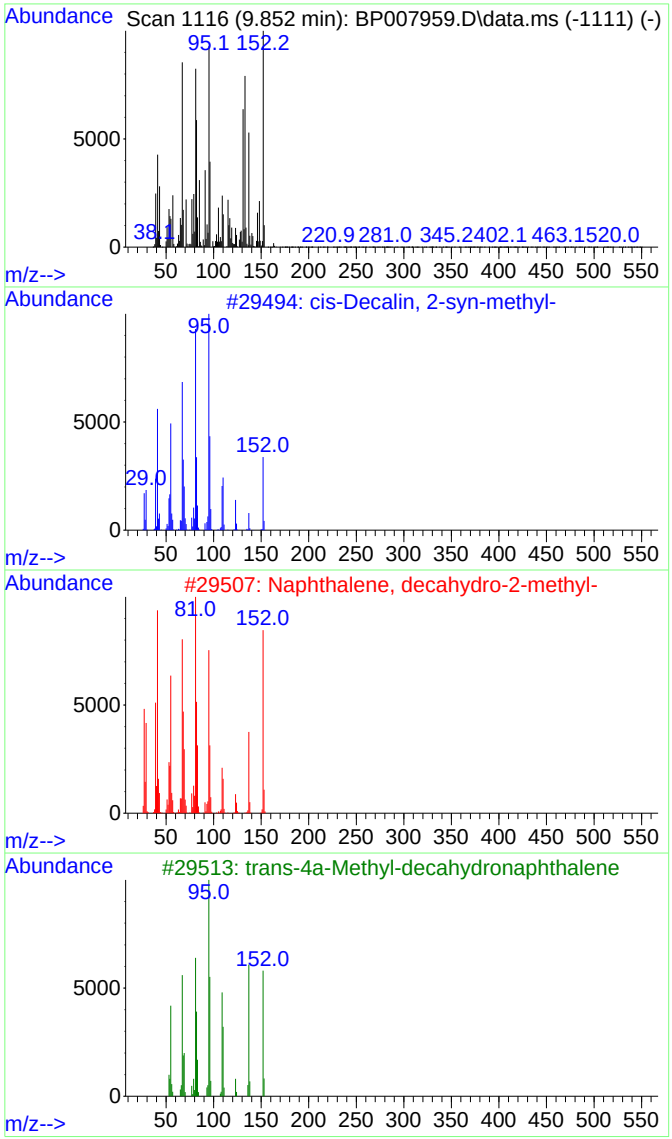
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

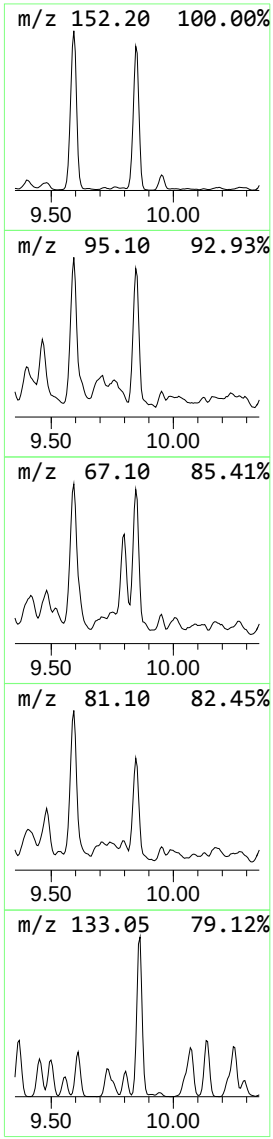
**********

Peak Number 18 cis-Decalin, 2-syn-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.852 | 19.44 ng | 9686360 | Naphthalene-d8 | 10.652 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-Decalin, 2-syn-methyl- | 152 | C11H20 | 1000155-85-6 | 70 |
| 2 | Naphthalene, decahydro-2-methyl- | 152 | C11H20 | 002958-76-1 | 64 |
| 3 | trans-4a-Methyl-decahydronaphtha... | 152 | C11H20 | 002547-27-5 | 46 |
| 4 | 1-Adamantanol | 152 | C10H16O | 000768-95-6 | 38 |
| 5 | Pulegone | 152 | C10H16O | 000089-82-7 | 30 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

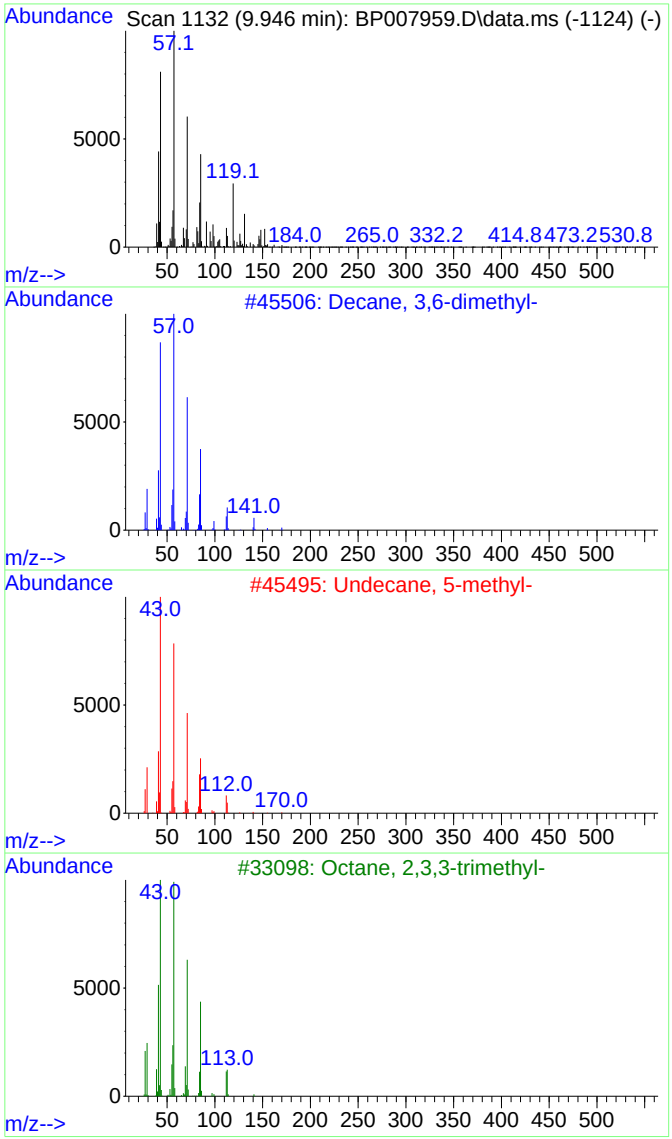
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

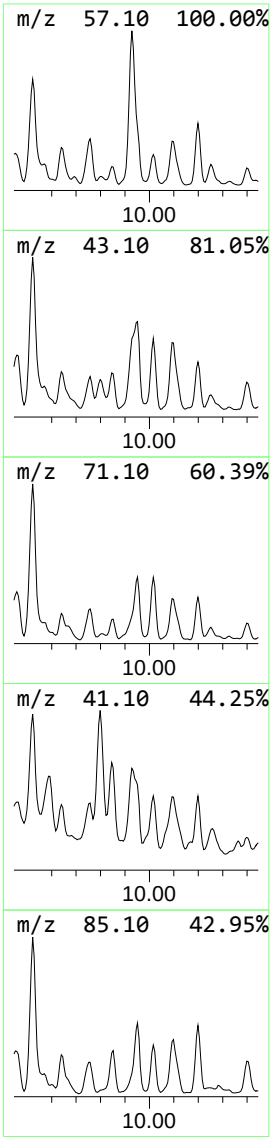
**********

Peak Number 19 Decane, 3,6-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.946 | 14.94 ng | 7445010 | Naphthalene-d8 | 10.652 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 3,6-dimethyl- | 170 | C12H26 | 017312-53-7 | 60 |
| 2 | Undecane, 5-methyl- | 170 | C12H26 | 001632-70-8 | 50 |
| 3 | Octane, 2,3,3-trimethyl- | 156 | C11H24 | 062016-30-2 | 47 |
| 4 | 1-Iodo-2-methylnonane | 268 | C10H21I | 1000101-47-9 | 43 |
| 5 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

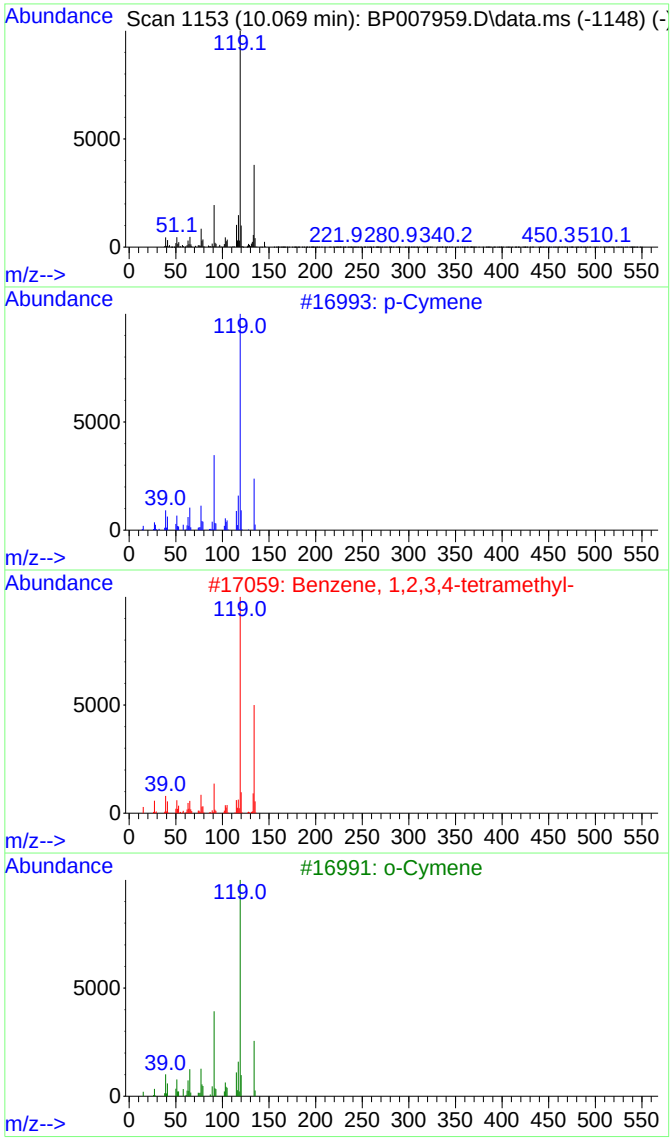
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

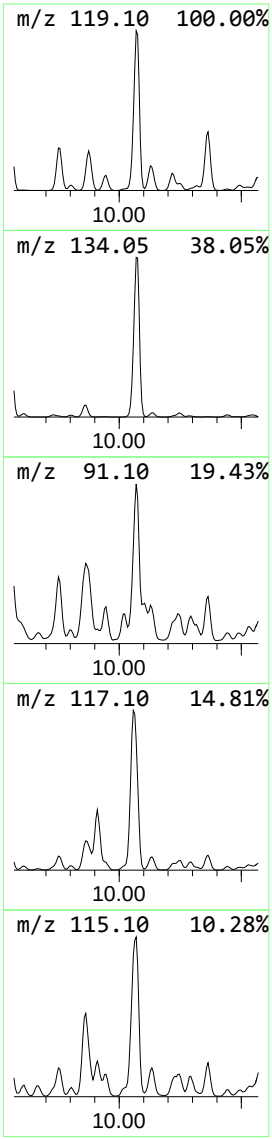
**********

Peak Number 20 p-Cymene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.069 | 18.88 ng | 9410880 | Naphthalene-d8 | 10.652 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Cymene | 134 | C10H14 | 000099-87-6 | 94 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 94 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 93 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
Data File : BP007959.D
Acq On : 11 Nov 2021 22:53
Operator : CG/JU
Sample : M4630-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-13E-16.0-16.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Nonane | 5.881 | 11.3 | ng | 15053100 | 1 | 7.858 | 26609900 | 20.0 |
| Cyclohexane, 1-... | 6.140 | 13.1 | ng | 17368600 | 1 | 7.858 | 26609900 | 20.0 |
| unknown6.358 | 6.358 | 11.5 | ng | 15295900 | 1 | 7.858 | 26609900 | 20.0 |
| Octane, 2,6-dim... | 6.434 | 12.5 | ng | 16598900 | 1 | 7.858 | 26609900 | 20.0 |
| Cyclohexane, pr... | 6.505 | 17.9 | ng | 23771400 | 1 | 7.858 | 26609900 | 20.0 |
| Undecane, 5,6-d... | 6.769 | 9.8 | ng | 13019800 | 1 | 7.858 | 26609900 | 20.0 |
| Nonane, 4-methyl- | 6.869 | 8.1 | ng | 10774800 | 1 | 7.858 | 26609900 | 20.0 |
| Ethanone, 1-(1-... | 7.358 | 10.0 | ng | 13250400 | 1 | 7.858 | 26609900 | 20.0 |
| Mesitylene | 7.511 | 20.1 | ng | 26738300 | 1 | 7.858 | 26609900 | 20.0 |
| Cyclohexane, bu... | 8.169 | 14.5 | ng | 19241100 | 1 | 7.858 | 26609900 | 20.0 |
| unknown8.410 | 8.410 | 8.9 | ng | 11829900 | 1 | 7.858 | 26609900 | 20.0 |
| Undecane | 9.116 | 16.3 | ng | 21745300 | 1 | 7.858 | 26609900 | 20.0 |
| Bicyclo[4.2.0]o... | 9.310 | 11.1 | ng | 5522820 | 2 | 10.652 | 9967760 | 20.0 |
| Decane, 3,7-dim... | 9.522 | 14.5 | ng | 7213880 | 2 | 10.652 | 9967760 | 20.0 |
| Naphthalene, de... | 9.593 | 10.0 | ng | 4994120 | 2 | 10.652 | 9967760 | 20.0 |
| Benzene, 1-meth... | 9.752 | 8.9 | ng | 4441990 | 2 | 10.652 | 9967760 | 20.0 |
| Cyclohexane, pe... | 9.799 | 15.5 | ng | 7730480 | 2 | 10.652 | 9967760 | 20.0 |
| cis-Decalin, 2-... | 9.852 | 19.4 | ng | 9686360 | 2 | 10.652 | 9967760 | 20.0 |
| Decane, 3,6-dim... | 9.946 | 14.9 | ng | 7445010 | 2 | 10.652 | 9967760 | 20.0 |
| p-Cymene | 10.069 | 18.9 | ng | 9410880 | 2 | 10.652 | 9967760 | 20.0 |