LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

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:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.469 | 95 | 99 | 105 | rVB | 92925 | 145662 | 3.12% | 0.171% |
| 2 | 2.704 | 131 | 139 | 150 | rBV6 | 52751 | 124941 | 2.68% | 0.146% |
| 3 | 3.028 | 190 | 194 | 201 | rVB3 | 248740 | 417542 | 8.95% | 0.489% |
| 4 | 3.128 | 208 | 211 | 216 | rVB | 285938 | 370317 | 7.94% | 0.434% |
| 5 | 3.240 | 225 | 230 | 234 | rVB3 | 104014 | 140237 | 3.01% | 0.164% |
| 6 | 3.357 | 244 | 250 | 253 | rBV | 75507 | 121842 | 2.61% | 0.143% |
| 7 | 3.487 | 268 | 272 | 279 | rVB2 | 336545 | 444723 | 9.54% | 0.521% |
| 8 | 3.593 | 283 | 290 | 293 | rBV2 | 213615 | 262738 | 5.63% | 0.308% |
| 9 | 3.922 | 338 | 346 | 349 | rBV | 231752 | 331737 | 7.11% | 0.389% |
| 10 | 3.987 | 353 | 357 | 362 | rBV | 392086 | 528934 | 11.34% | 0.620% |
| 11 | 4.175 | 385 | 389 | 392 | rBV2 | 138976 | 193353 | 4.15% | 0.227% |
| 12 | 4.210 | 392 | 395 | 397 | rVV2 | 99464 | 152788 | 3.28% | 0.179% |
| 13 | 4.240 | 397 | 400 | 405 | rVV2 | 723614 | 970626 | 20.81% | 1.137% |
| 14 | 4.281 | 405 | 407 | 410 | rVV | 363364 | 322261 | 6.91% | 0.378% |
| 15 | 4.381 | 414 | 424 | 427 | rVB2 | 3284703 | 4663332 | 100.00% | 5.463% |
| 16 | 4.534 | 445 | 450 | 455 | rVB3 | 119386 | 158166 | 3.39% | 0.185% |
| 17 | 4.604 | 459 | 462 | 465 | rBV | 548158 | 548297 | 11.76% | 0.642% |
| 18 | 4.669 | 469 | 473 | 480 | rVB | 555050 | 536615 | 11.51% | 0.629% |
| 19 | 4.834 | 497 | 501 | 504 | rBV3 | 106257 | 181729 | 3.90% | 0.213% |
| 20 | 4.934 | 509 | 518 | 521 | rBV2 | 321596 | 519366 | 11.14% | 0.608% |
| 21 | 4.975 | 521 | 525 | 528 | rBV2 | 138132 | 141532 | 3.03% | 0.166% |
| 22 | 5.022 | 530 | 533 | 536 | rBV2 | 285515 | 289072 | 6.20% | 0.339% |
| 23 | 5.245 | 563 | 571 | 574 | rBV | 799084 | 1027344 | 22.03% | 1.203% |
| 24 | 5.275 | 574 | 576 | 578 | rVV | 158572 | 177133 | 3.80% | 0.208% |
| 25 | 5.298 | 578 | 580 | 582 | rVV | 371218 | 348840 | 7.48% | 0.409% |
| 26 | 5.334 | 582 | 586 | 587 | rVV3 | 402994 | 580213 | 12.44% | 0.680% |
| 27 | 5.351 | 587 | 589 | 594 | rVB | 744803 | 670243 | 14.37% | 0.785% |
| 28 | 5.404 | 594 | 598 | 601 | rBV2 | 986751 | 1028672 | 22.06% | 1.205% |
| 29 | 5.451 | 601 | 606 | 610 | rVV | 2694833 | 3591772 | 77.02% | 4.208% |
| 30 | 5.493 | 610 | 613 | 621 | rVB | 700814 | 744837 | 15.97% | 0.873% |
| 31 | 5.593 | 621 | 630 | 633 | rBV | 3219737 | 3605988 | 77.33% | 4.224% |
| 32 | 5.651 | 637 | 640 | 643 | rVV | 1884227 | 2052189 | 44.01% | 2.404% |
| 33 | 5.675 | 643 | 644 | 649 | rVB | 632475 | 432552 | 9.28% | 0.507% |
| 34 | 5.781 | 658 | 662 | 664 | rBV | 176277 | 200680 | 4.30% | 0.235% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

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:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 5.798 | 664 | 665 | 668 | rVV | 161380 | 126198 | 2.71% | 0.148% |
| 36 | 5.845 | 668 | 673 | 676 | rVV | 1189420 | 1158045 | 24.83% | 1.357% |
| 37 | 5.881 | 676 | 679 | 682 | rVV2 | 243284 | 254263 | 5.45% | 0.298% |
| 38 | 5.916 | 682 | 685 | 691 | rVV | 993477 | 1039988 | 22.30% | 1.218% |
| 39 | 6.022 | 696 | 703 | 706 | rVV | 2634797 | 2991553 | 64.15% | 3.504% |
| 40 | 6.051 | 706 | 708 | 713 | rVB | 1440389 | 1210472 | 25.96% | 1.418% |
| 41 | 6.140 | 718 | 723 | 726 | rVV | 780522 | 781618 | 16.76% | 0.916% |
| 42 | 6.169 | 726 | 728 | 733 | rVV2 | 522277 | 683881 | 14.67% | 0.801% |
| 43 | 6.222 | 733 | 737 | 740 | rVV | 1819823 | 1870723 | 40.12% | 2.191% |
| 44 | 6.257 | 740 | 743 | 748 | rVB2 | 339565 | 425564 | 9.13% | 0.499% |
| 45 | 6.310 | 748 | 752 | 756 | rBV2 | 624693 | 754500 | 16.18% | 0.884% |
| 46 | 6.393 | 762 | 766 | 768 | rBV | 602315 | 560147 | 12.01% | 0.656% |
| 47 | 6.422 | 768 | 771 | 774 | rVB | 489273 | 489226 | 10.49% | 0.573% |
| 48 | 6.481 | 774 | 781 | 782 | rBV2 | 2327577 | 2918733 | 62.59% | 3.419% |
| 49 | 6.498 | 782 | 784 | 792 | rVB2 | 2013160 | 2304174 | 49.41% | 2.699% |
| 50 | 6.563 | 792 | 795 | 798 | rVB | 682938 | 592912 | 12.71% | 0.695% |
| 51 | 6.610 | 798 | 803 | 806 | rBV3 | 281306 | 331060 | 7.10% | 0.388% |
| 52 | 6.645 | 806 | 809 | 812 | rBV2 | 331688 | 341708 | 7.33% | 0.400% |
| 53 | 6.692 | 812 | 817 | 821 | rVB3 | 168307 | 271449 | 5.82% | 0.318% |
| 54 | 6.751 | 821 | 827 | 830 | rBV | 1282075 | 1345517 | 28.85% | 1.576% |
| 55 | 6.781 | 830 | 832 | 837 | rVB | 1151959 | 1078109 | 23.12% | 1.263% |
| 56 | 6.845 | 840 | 843 | 848 | rVB3 | 96522 | 118463 | 2.54% | 0.139% |
| 57 | 6.892 | 848 | 851 | 854 | rBV | 406901 | 482681 | 10.35% | 0.565% |
| 58 | 6.922 | 854 | 856 | 858 | rVV | 395368 | 382558 | 8.20% | 0.448% |
| 59 | 6.963 | 858 | 863 | 866 | rVV2 | 1399693 | 1631480 | 34.99% | 1.911% |
| 60 | 6.992 | 866 | 868 | 872 | rVV3 | 252090 | 406908 | 8.73% | 0.477% |
| 61 | 7.045 | 872 | 877 | 880 | rVV3 | 1989584 | 2691844 | 57.72% | 3.153% |
| 62 | 7.092 | 880 | 885 | 889 | rVB3 | 881495 | 1059836 | 22.73% | 1.242% |
| 63 | 7.151 | 889 | 895 | 900 | rVB5 | 550742 | 1069420 | 22.93% | 1.253% |
| 64 | 7.210 | 900 | 905 | 909 | rVB | 521442 | 579434 | 12.43% | 0.679% |
| 65 | 7.316 | 918 | 923 | 925 | rVV3 | 387295 | 591762 | 12.69% | 0.693% |
| 66 | 7.345 | 925 | 928 | 930 | rVV | 1949743 | 2407802 | 51.63% | 2.821% |
| 67 | 7.375 | 930 | 933 | 938 | rVV3 | 2291003 | 3211224 | 68.86% | 3.762% |
| 68 | 7.416 | 938 | 940 | 945 | rVV | 555058 | 567404 | 12.17% | 0.665% |
| 69 | 7.475 | 945 | 950 | 953 | rVV2 | 415330 | 556906 | 11.94% | 0.652% |
| 70 | 7.522 | 955 | 958 | 961 | rVV4 | 113428 | 144000 | 3.09% | 0.169% |
| 71 | 7.587 | 965 | 969 | 972 | rVB3 | 338512 | 386584 | 8.29% | 0.453% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

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:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 7.692 | 981 | 987 | 990 | rBV2 | 412997 | 656049 | 14.07% | 0.769% |
| 73 | 7.728 | 990 | 993 | 996 | rVV3 | 209429 | 252678 | 5.42% | 0.296% |
| 74 | 7.763 | 996 | 999 | 1003 | rVB4 | 155776 | 209096 | 4.48% | 0.245% |
| 75 | 7.804 | 1003 | 1006 | 1007 | rBV3 | 193334 | 201898 | 4.33% | 0.237% |
| 76 | 7.828 | 1007 | 1010 | 1012 | rVV | 592896 | 514953 | 11.04% | 0.603% |
| 77 | 7.851 | 1012 | 1014 | 1019 | rVB4 | 205867 | 245106 | 5.26% | 0.287% |
| 78 | 7.904 | 1019 | 1023 | 1025 | rBV2 | 337398 | 433975 | 9.31% | 0.508% |
| 79 | 7.922 | 1025 | 1026 | 1029 | rVB | 298553 | 236395 | 5.07% | 0.277% |
| 80 | 7.963 | 1029 | 1033 | 1036 | rBV | 138403 | 164069 | 3.52% | 0.192% |
| 81 | 8.069 | 1049 | 1051 | 1053 | rVB | 179377 | 127260 | 2.73% | 0.149% |
| 82 | 8.116 | 1053 | 1059 | 1062 | rBV | 549365 | 640425 | 13.73% | 0.750% |
| 83 | 8.216 | 1069 | 1076 | 1083 | rVB | 1467725 | 1604971 | 34.42% | 1.880% |
| 84 | 8.334 | 1089 | 1096 | 1099 | rBV | 813542 | 874584 | 18.75% | 1.025% |
| 85 | 8.669 | 1145 | 1153 | 1157 | rVB | 3429721 | 3665709 | 78.61% | 4.294% |
| 86 | 8.810 | 1174 | 1177 | 1181 | rVB | 222751 | 223767 | 4.80% | 0.262% |
| 87 | 8.981 | 1203 | 1206 | 1212 | rVB2 | 140492 | 214650 | 4.60% | 0.251% |
| 88 | 9.075 | 1215 | 1222 | 1225 | rBV | 159874 | 206890 | 4.44% | 0.242% |
| 89 | 9.163 | 1233 | 1237 | 1240 | rVV | 344137 | 349073 | 7.49% | 0.409% |
| 90 | 9.210 | 1240 | 1245 | 1252 | rVB3 | 93084 | 203662 | 4.37% | 0.239% |
| 91 | 9.486 | 1284 | 1292 | 1295 | rBV2 | 1397720 | 1653825 | 35.46% | 1.937% |
| 92 | 10.080 | 1389 | 1393 | 1398 | rVB | 120964 | 116713 | 2.50% | 0.137% |
| 93 | 10.457 | 1451 | 1457 | 1463 | rBV | 1969278 | 2092169 | 44.86% | 2.451% |
| 94 | 10.663 | 1488 | 1492 | 1494 | rBV | 123824 | 129486 | 2.78% | 0.152% |
| 95 | 11.304 | 1596 | 1601 | 1604 | rVV | 1296383 | 1369642 | 29.37% | 1.604% |
| 96 | 11.333 | 1604 | 1606 | 1611 | rVB | 182782 | 151523 | 3.25% | 0.178% |
| 97 | 13.286 | 1932 | 1938 | 1942 | rBV | 2648856 | 2850757 | 61.13% | 3.340% |
| 98 | 14.451 | 2132 | 2136 | 2144 | rBV | 213817 | 317104 | 6.80% | 0.371% |
| 99 | 14.557 | 2149 | 2154 | 2158 | rBV | 968440 | 1012295 | 21.71% | 1.186% |
| 100 | 16.186 | 2426 | 2431 | 2438 | rVB | 680952 | 800571 | 17.17% | 0.938% |

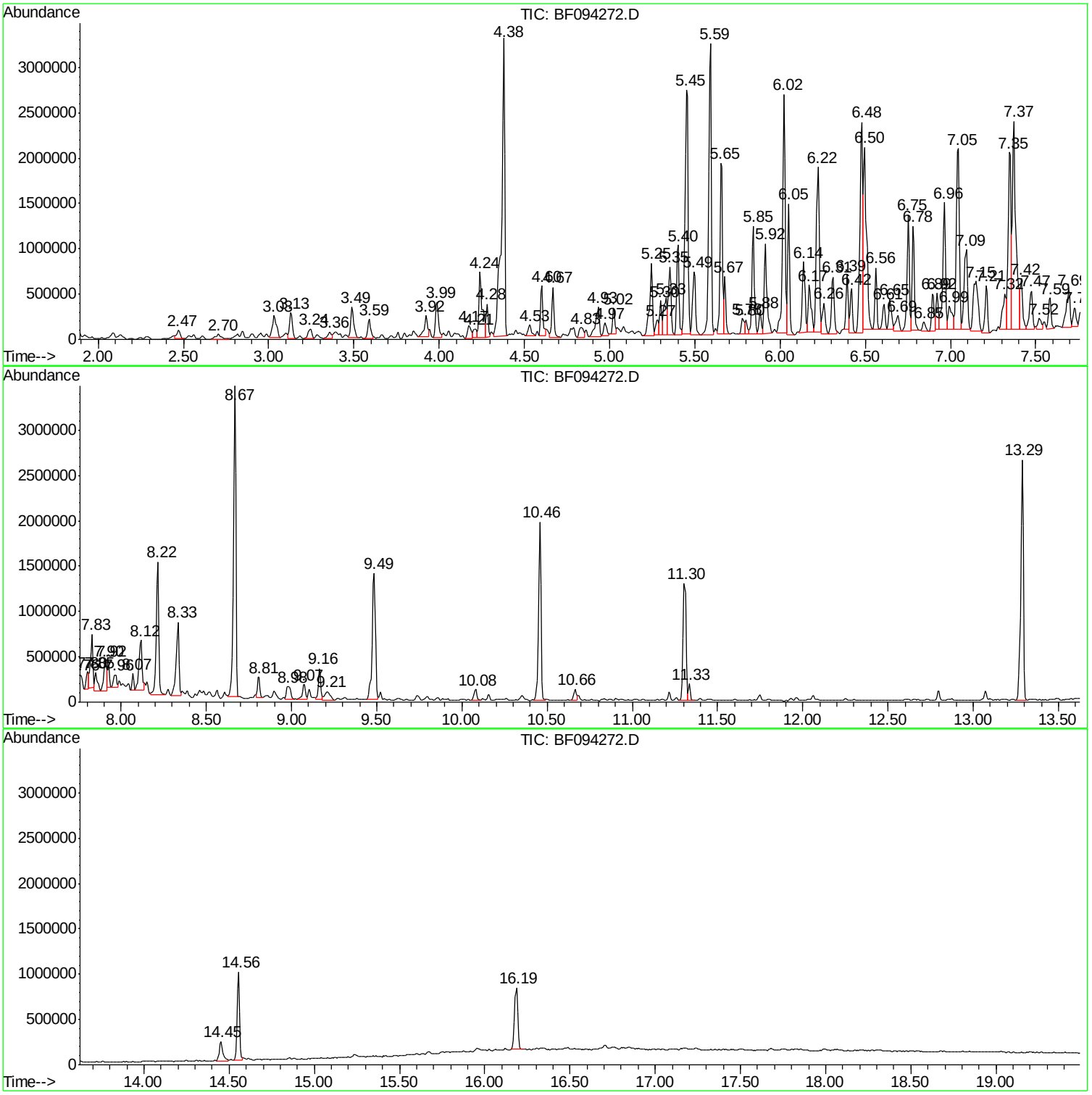
Sum of corrected areas: 85363714

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

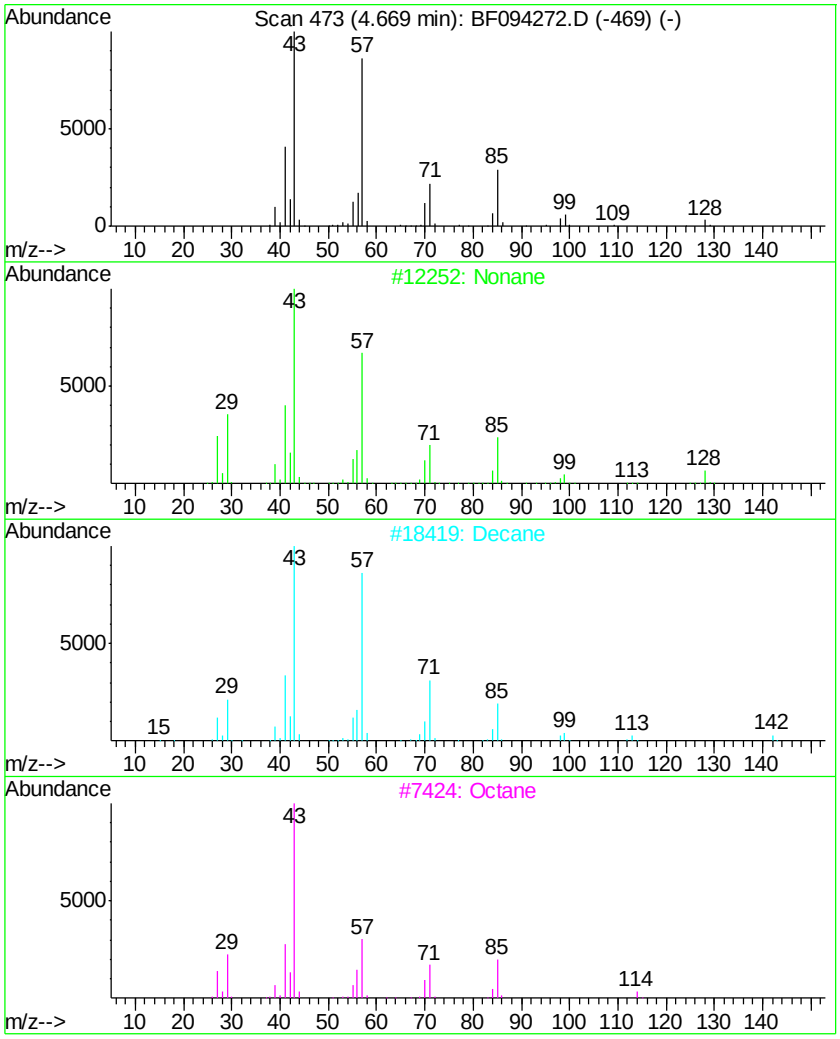
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

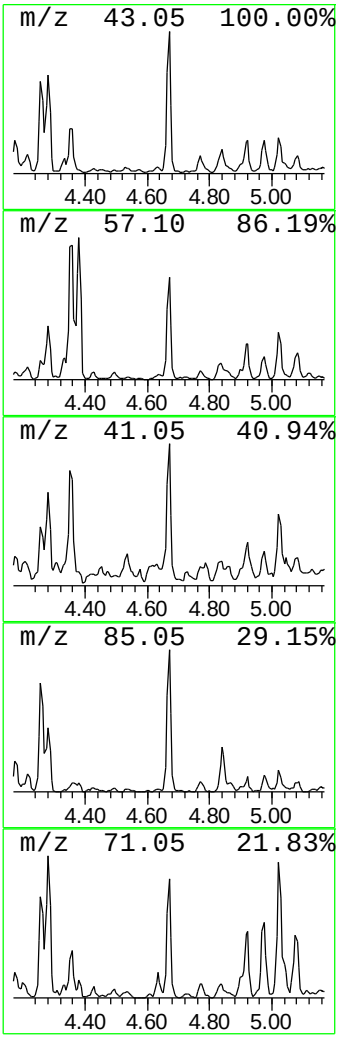
**********

Peak Number 3 Nonane Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.67 | 9.27 ng | 536615 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane | 128 | C9H20 | 000111-84-2 | 90 |
| 2 | Decane | 142 | C10H22 | 000124-18-5 | 78 |
| 3 | Octane | 114 | C8H18 | 000111-65-9 | 64 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 5 | Heptane, 4-ethyl- | 128 | C9H20 | 002216-32-2 | 59 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

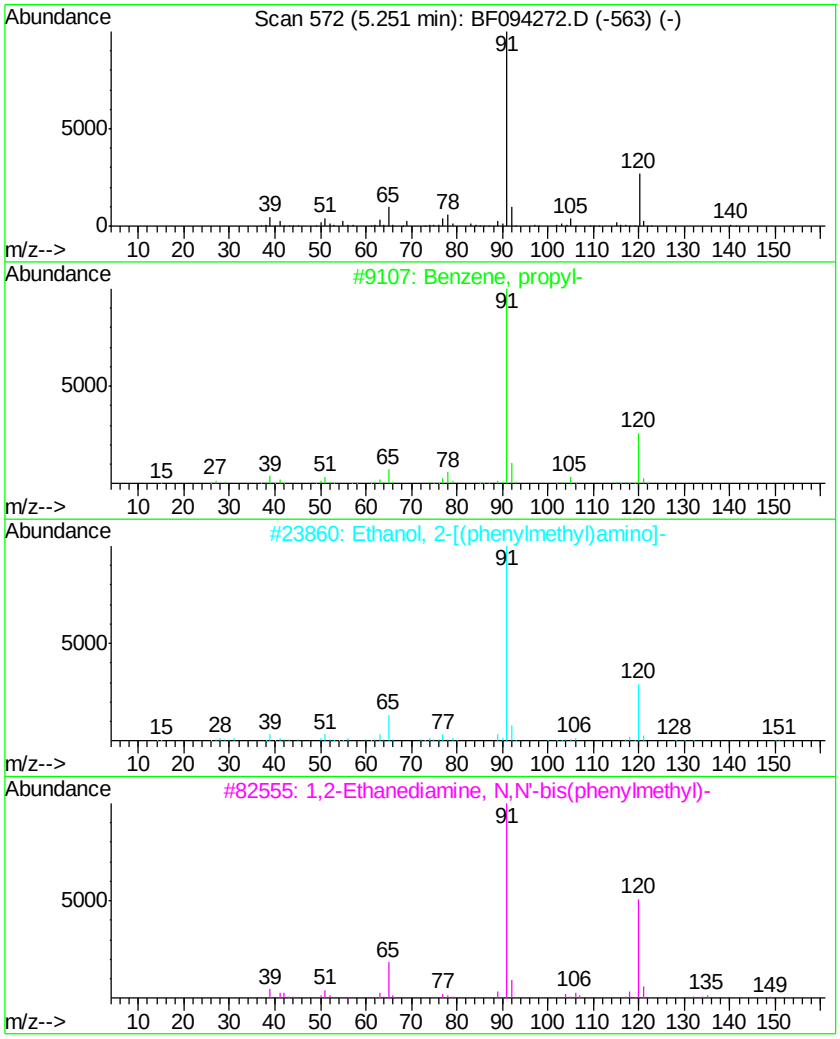
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

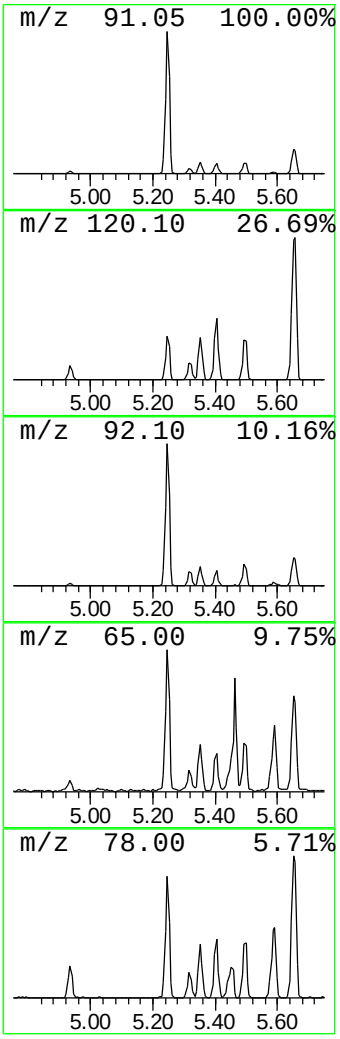
**********

Peak Number 4 Benzene, propyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.25 | 17.74 ng | 1027340 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 90 |
| 2 | Ethanol, 2-[(phenylmethyl)amino]- | 151 | C9H13NO | 000104-63-2 | 72 |
| 3 | 1,2-Ethanediamine, N,N'-bis(phen... | 240 | C16H20N2 | 000140-28-3 | 64 |
| 4 | Phenethylamine, N-benzyl-p-chloro- | 245 | C15H16ClN | 013622-43-0 | 56 |
| 5 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 50 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

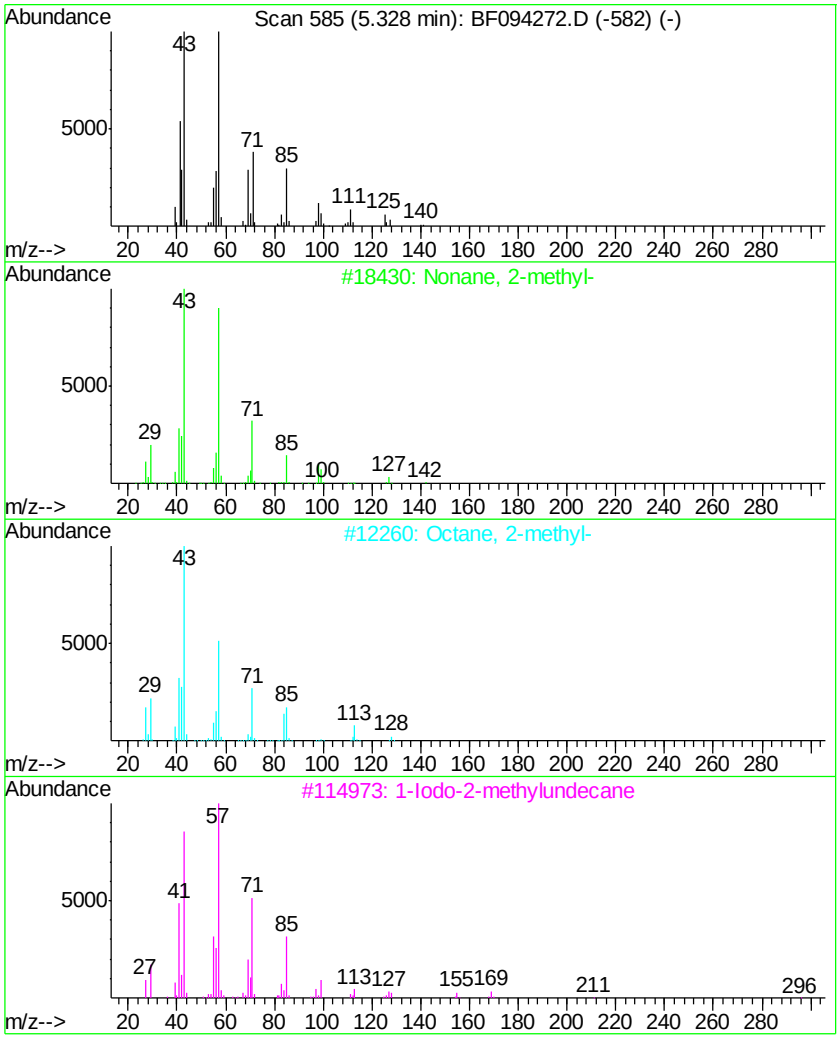
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

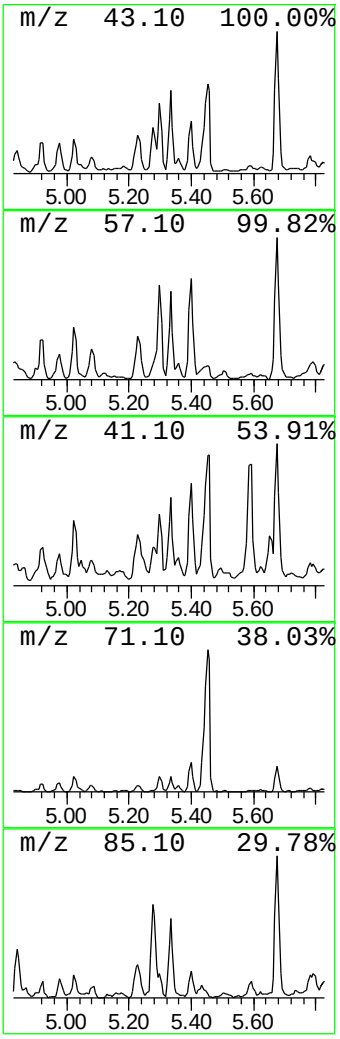
**********

Peak Number 5 Nonane, 2-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.33 | 10.02 ng | 580213 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 2-methyl- | 142 | C10H22 | 000871-83-0 | 74 |
| 2 | Octane, 2-methyl- | 128 | C9H20 | 003221-61-2 | 59 |
| 3 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 59 |
| 4 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 53 |
| 5 | 1-Iodo-2-methylnonane | 268 | C10H21I | 1000101-47-9 | 53 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

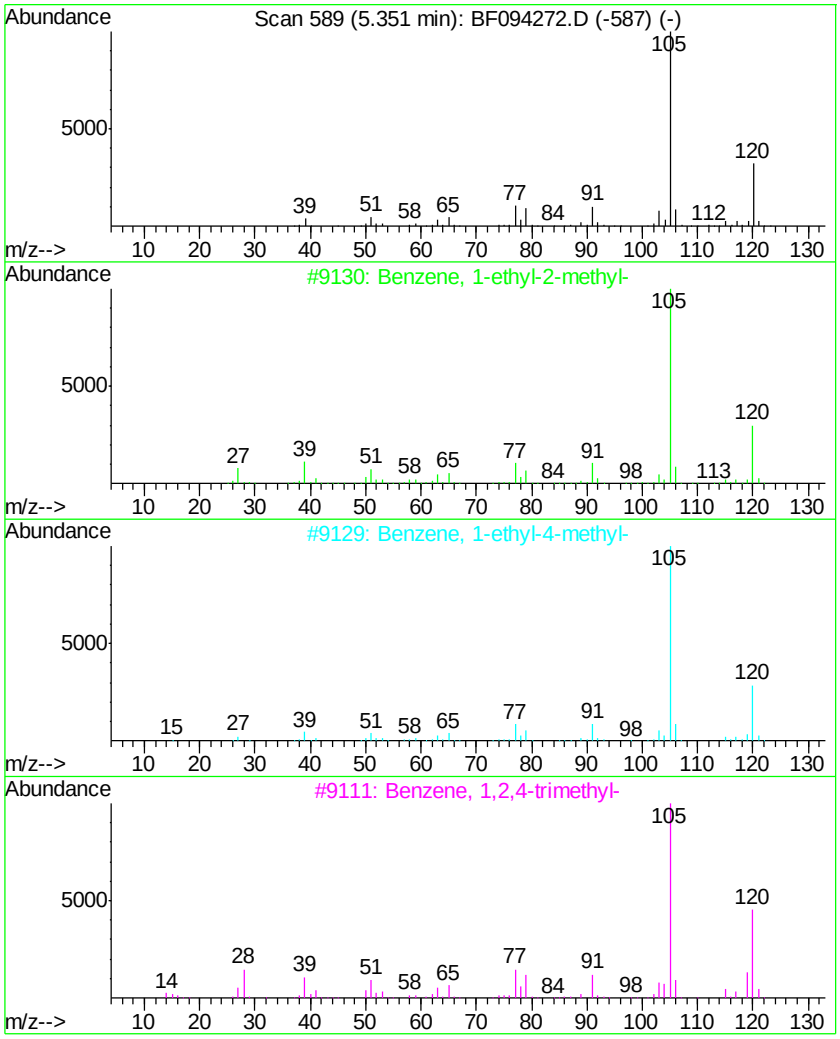
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

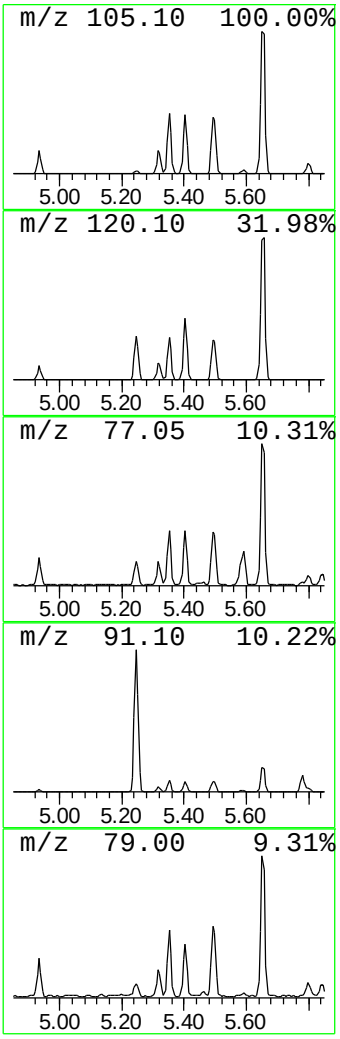
**********

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.35 | 11.58 ng | 670243 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 94 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Benzene, 1,3,5-trimethyl- | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

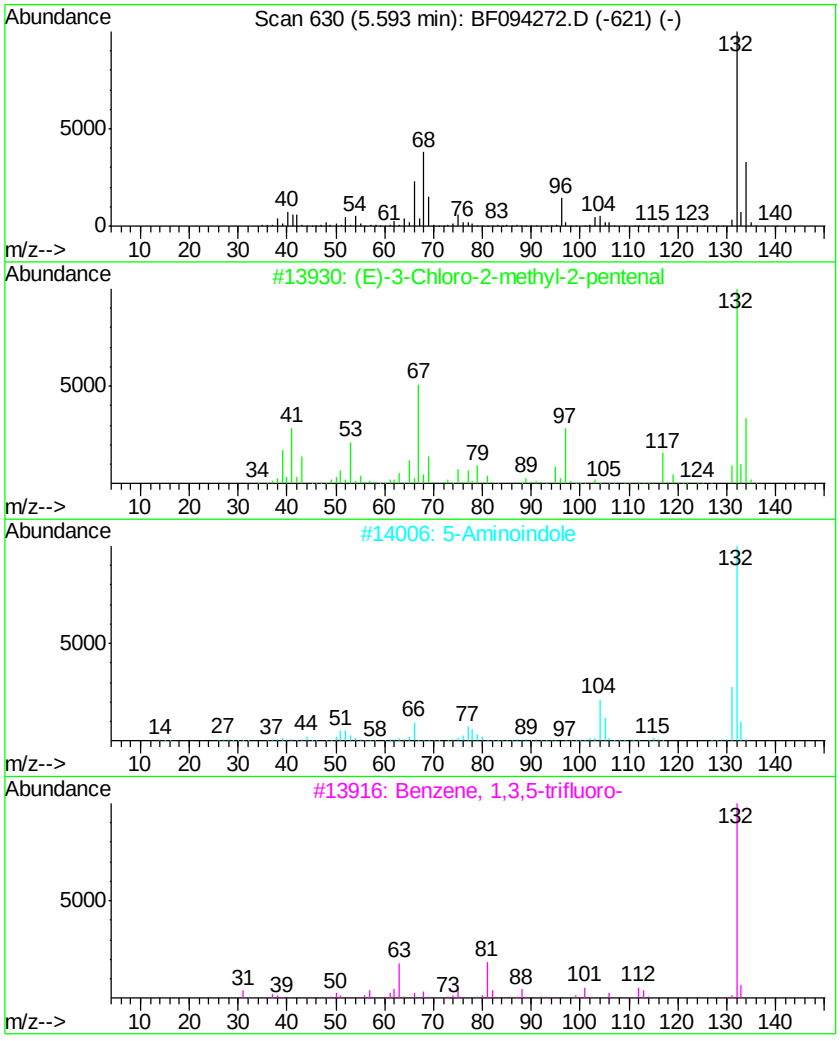
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

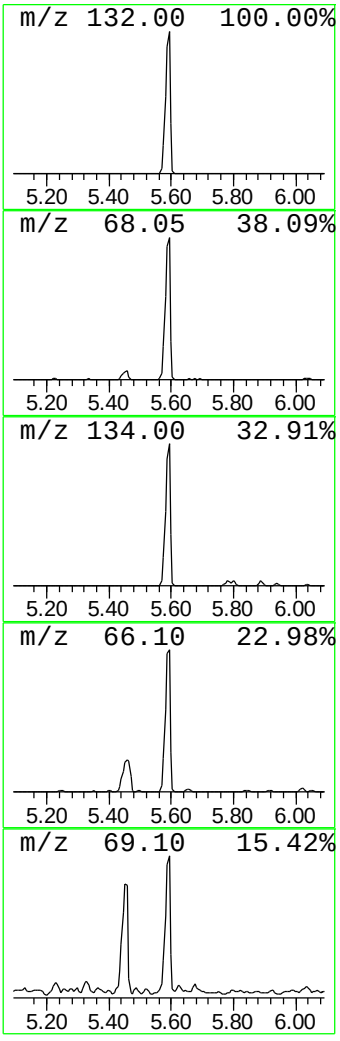
**********

Peak Number 7 unknown5.59 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.59 | 62.28 ng | 3605990 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

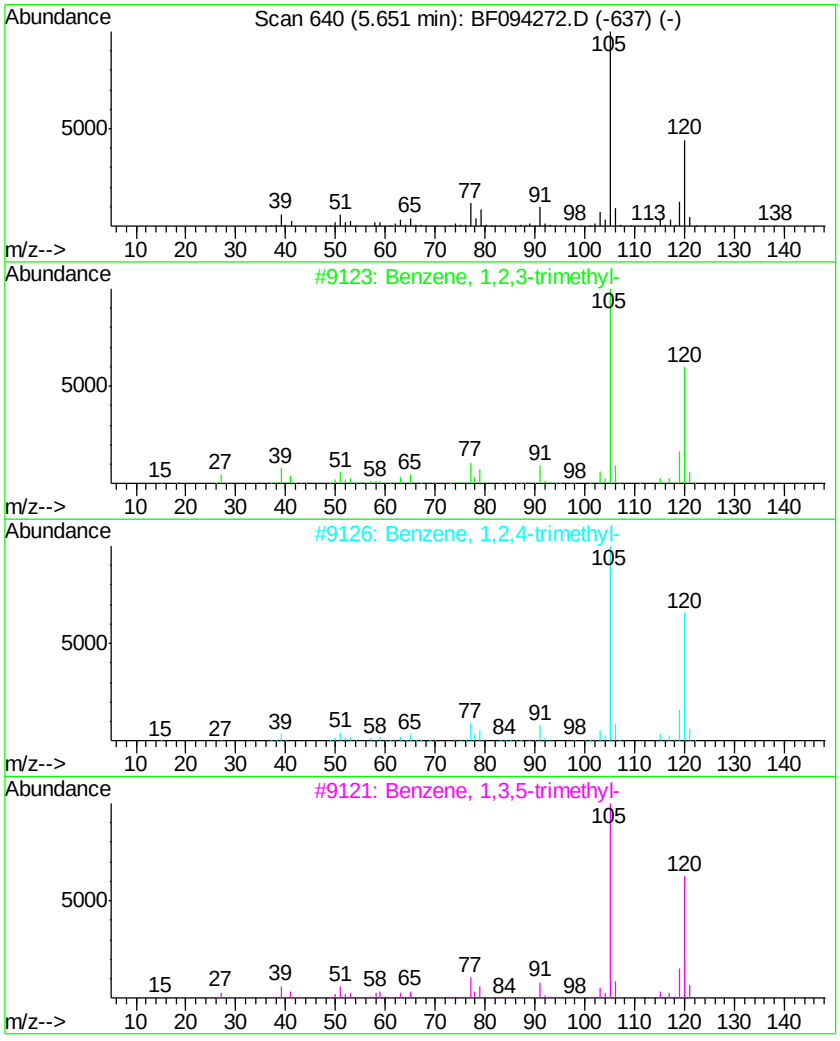
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

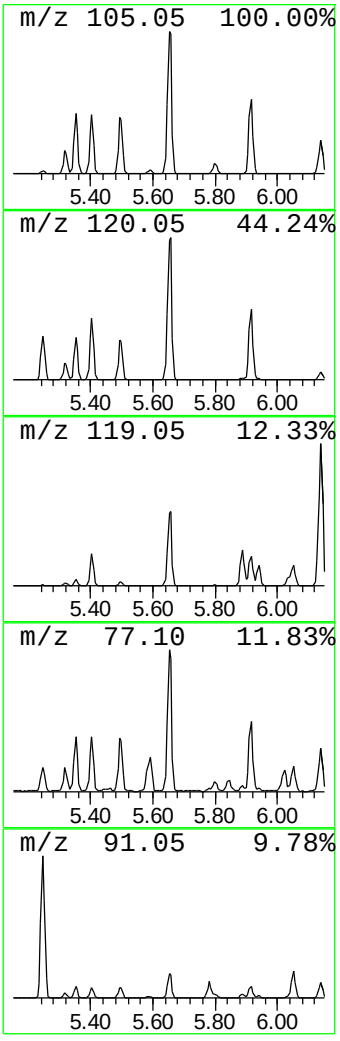
**********

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.65 | 35.44 ng | 2052190 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 3 | Benzene, 1,3,5-trimethyl- | 120 | C9H12 | 000108-67-8 | 94 |
| 4 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 90 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

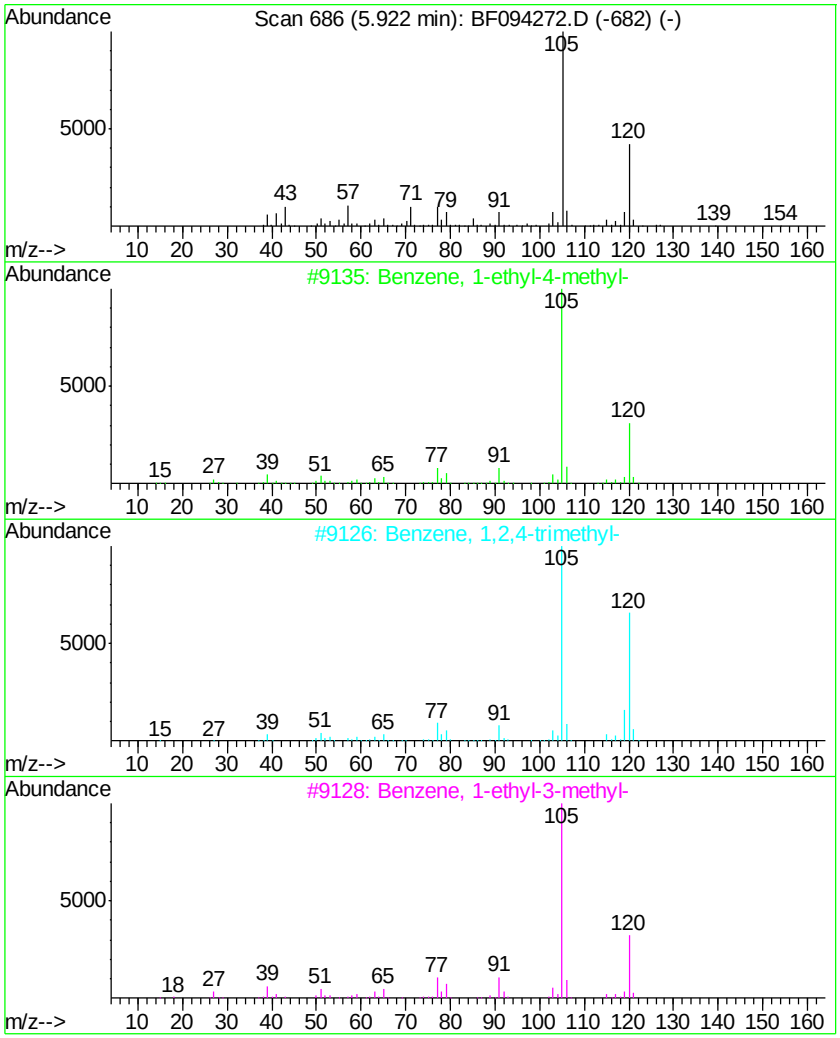
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

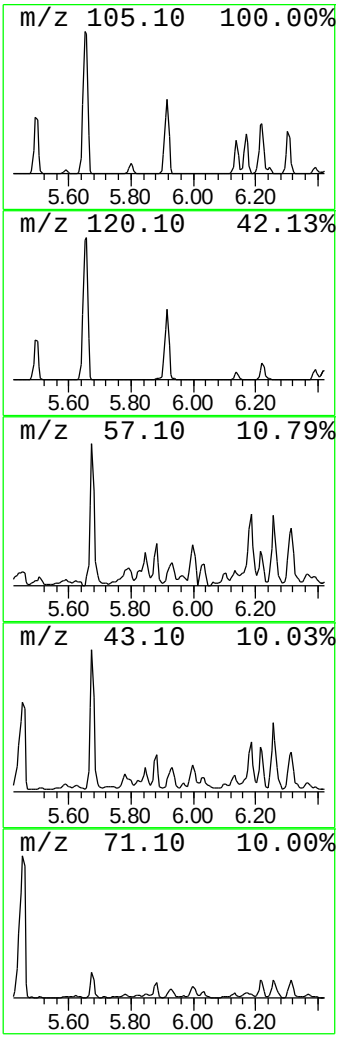
**********

Peak Number 9 Benzene, 1-ethyl-4-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.92 | 17.96 ng | 1039990 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 4 | Benzene, 1,3,5-trimethyl- | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 90 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

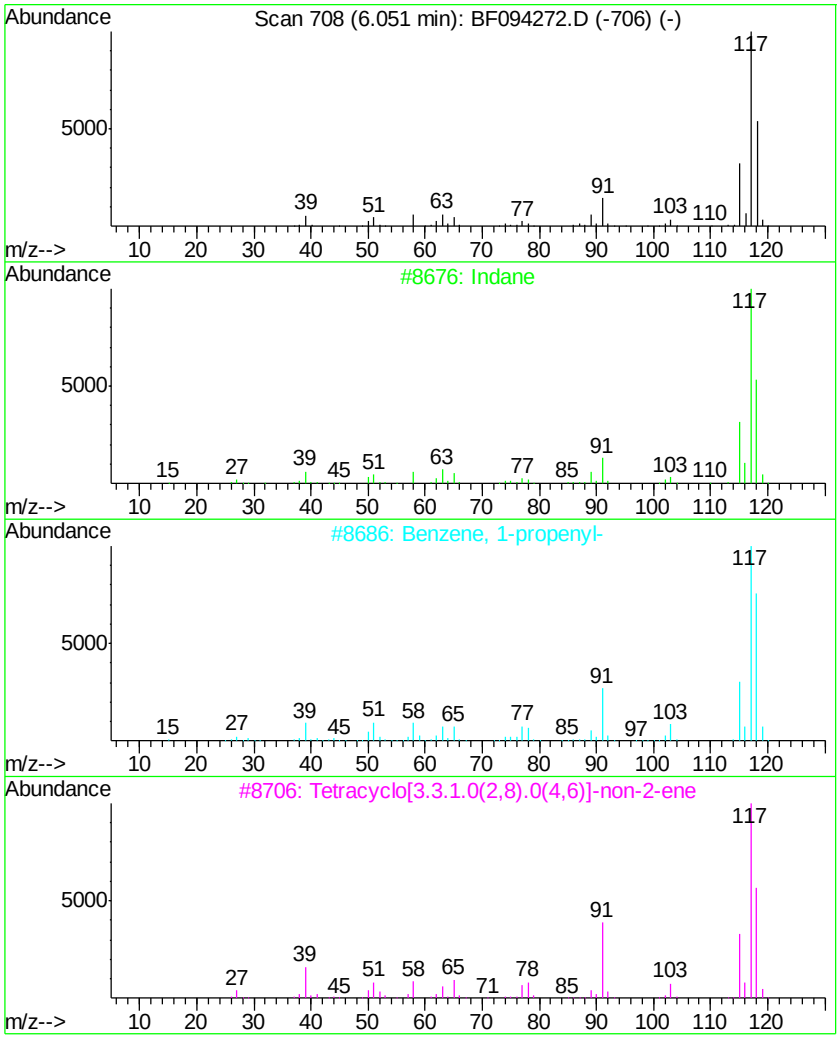
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

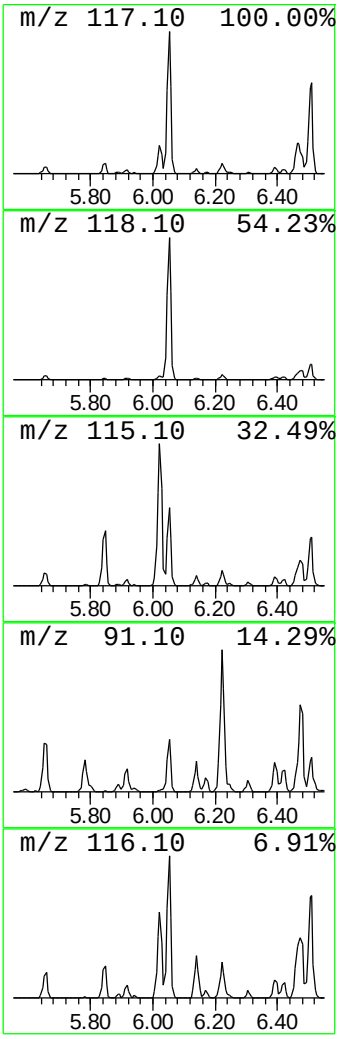
**********

Peak Number 11 Indane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.05 | 20.91 ng | 1210470 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 72 |
| 2 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 72 |
| 3 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 72 |
| 4 | Benzene, 1,1'-(1,5-hexadiene-1,6... | 234 | C18H18 | 004439-45-6 | 59 |
| 5 | 7-Methylenecycloocta-1,3,5-triene | 118 | C9H10 | 002570-13-0 | 59 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

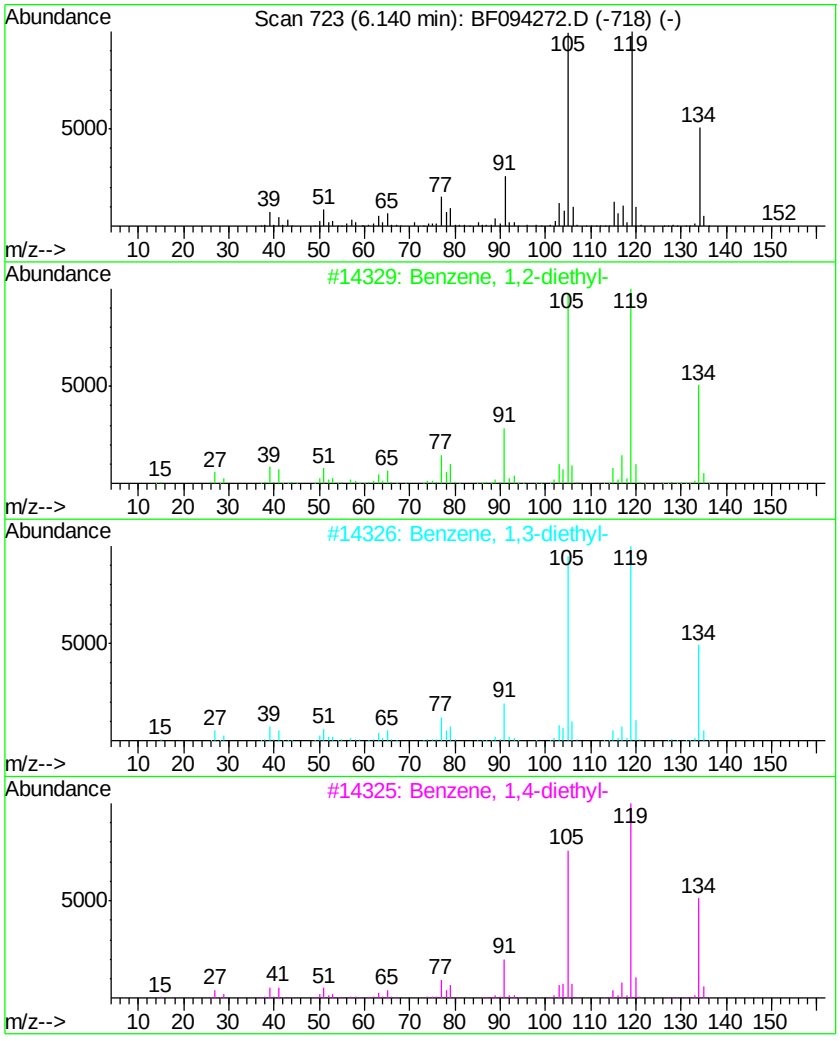
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

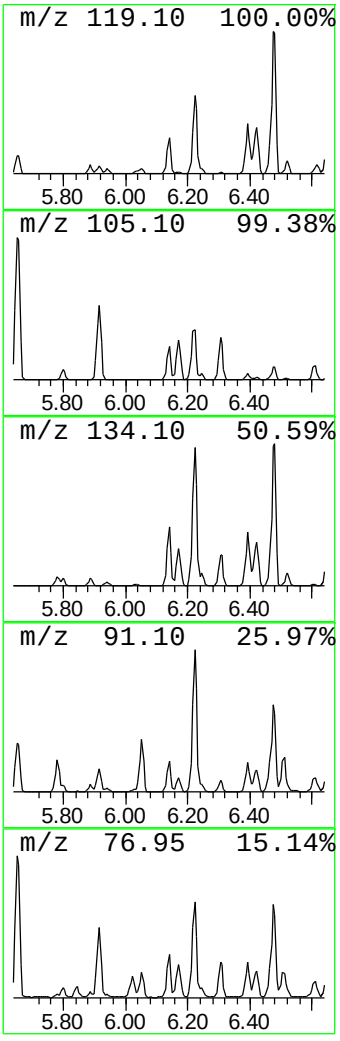
**********

Peak Number 12 Benzene, 1,2-diethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.14 | 13.50 ng | 781618 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 97 |
| 2 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 97 |
| 3 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 94 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

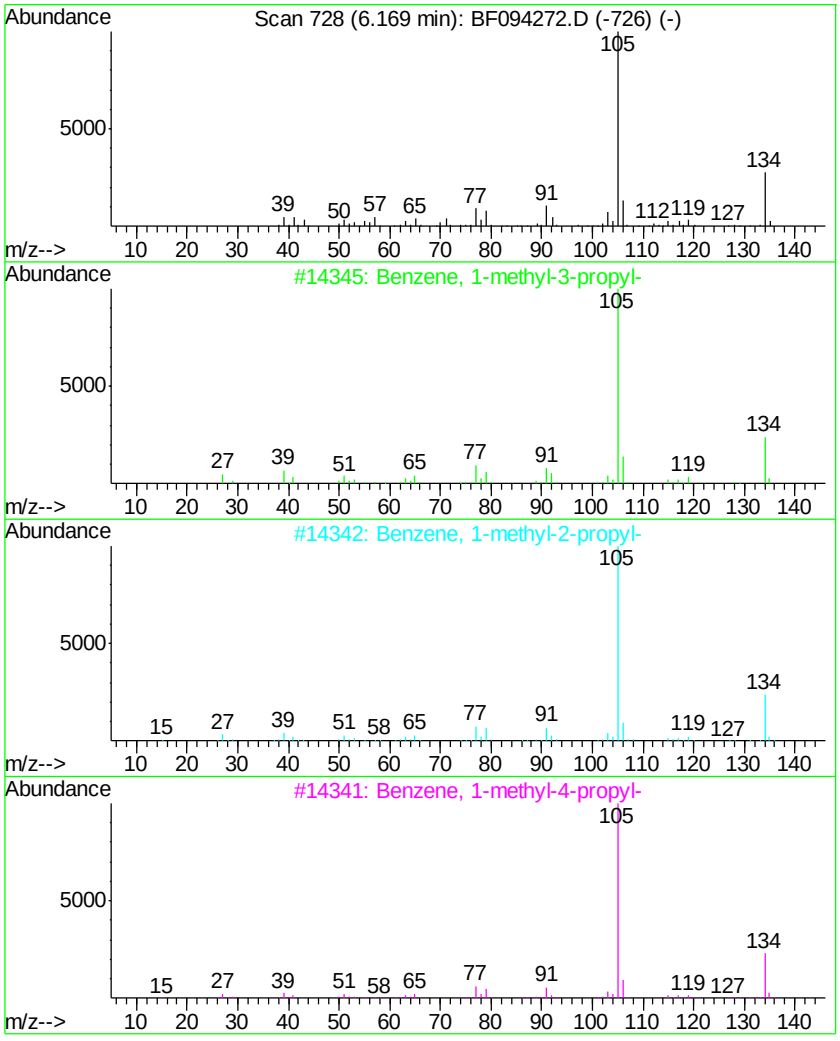
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

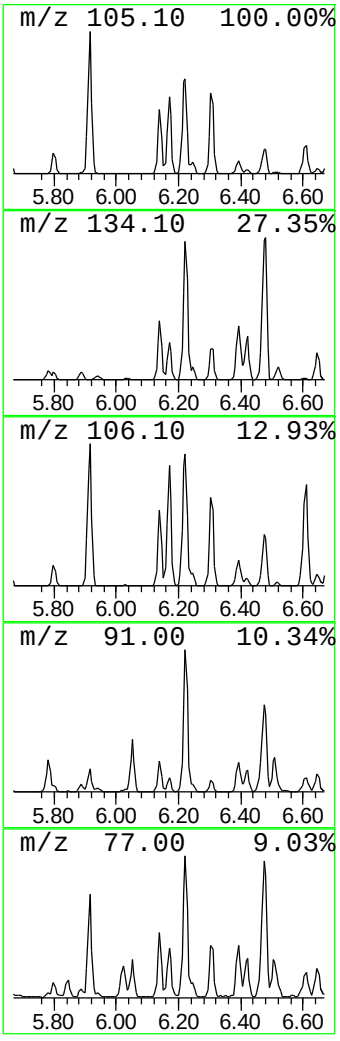
**********

Peak Number 13 Benzene, 1-methyl-3-propyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.17 | 11.81 ng | 683881 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 94 |
| 2 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 94 |
| 3 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 91 |
| 4 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 91 |
| 5 | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O | 000093-53-8 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

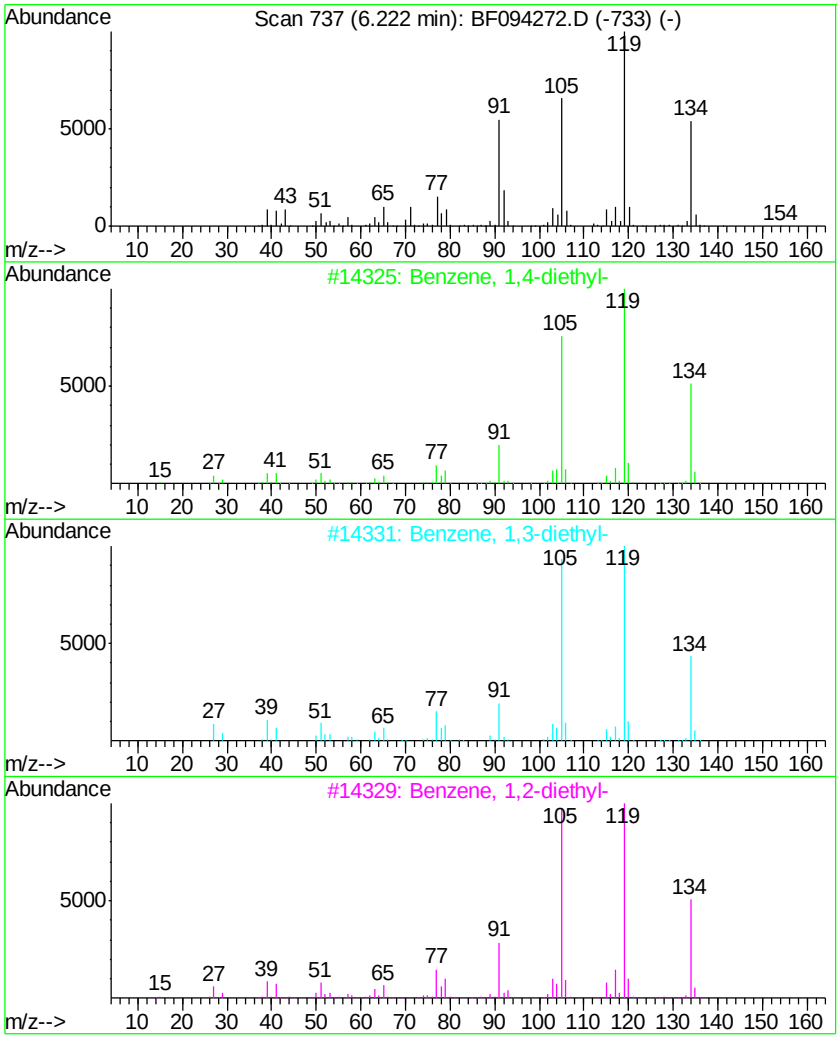
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

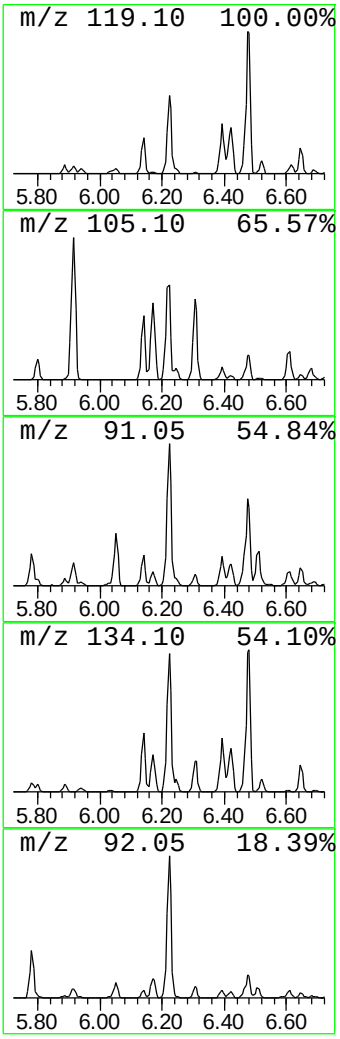
**********

Peak Number 14 Benzene, 1,4-diethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.22 | 32.31 ng | 1870720 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 95 |
| 2 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 95 |
| 3 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 94 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 94 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 91 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

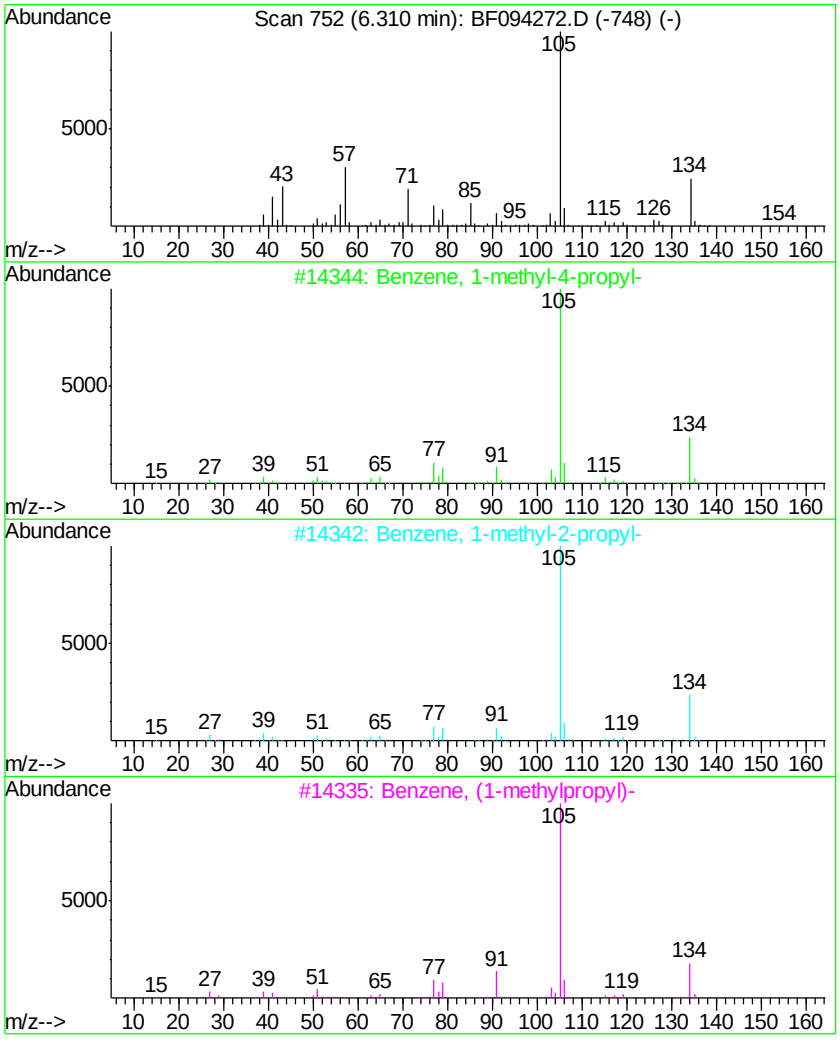
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

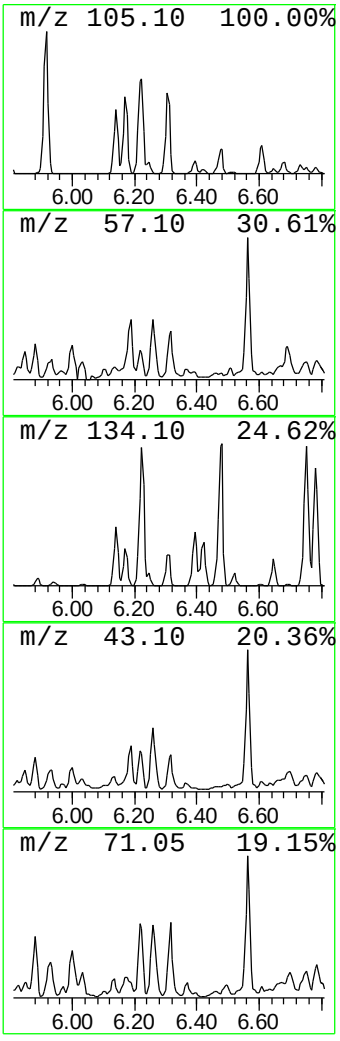
**********

Peak Number 15 Benzene, 1-methyl-4-propyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.31 | 13.03 ng | 754500 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 91 |
| 2 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 90 |
| 3 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 60 |
| 4 | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O | 000093-53-8 | 60 |
| 5 | 2-Tolyloxirane | 134 | C9H10O | 002783-26-8 | 45 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

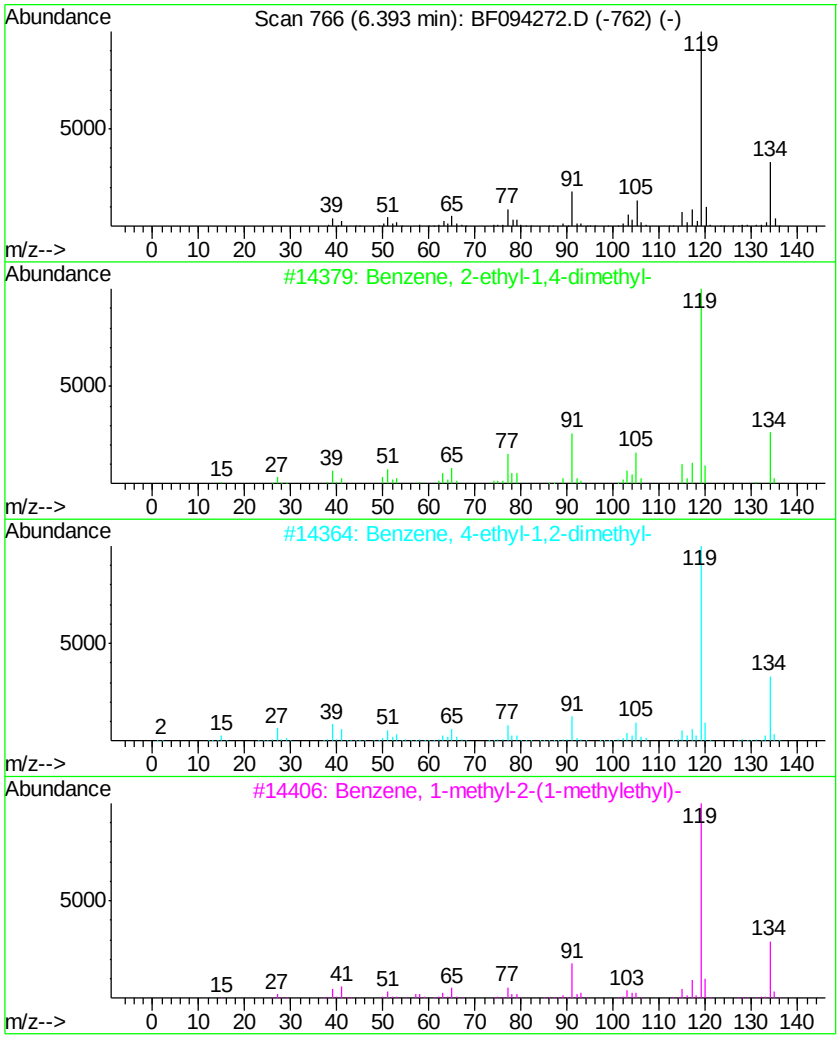
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

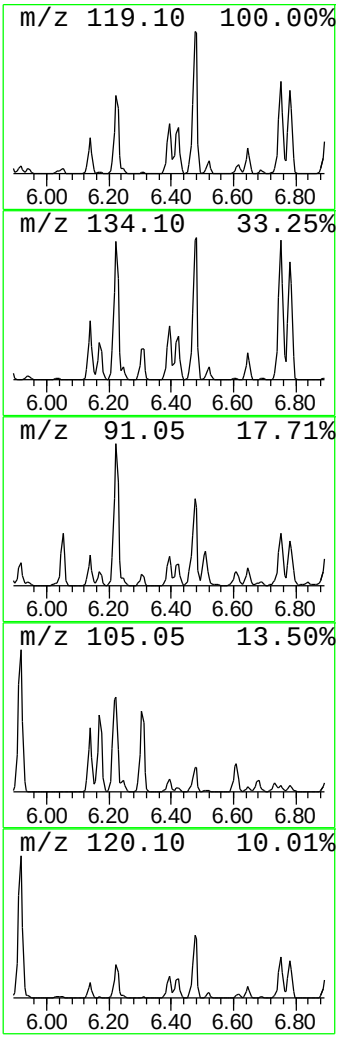
**********

Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.39 | 9.67 ng | 560147 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 3 | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14 | 000527-84-4 | 95 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 94 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

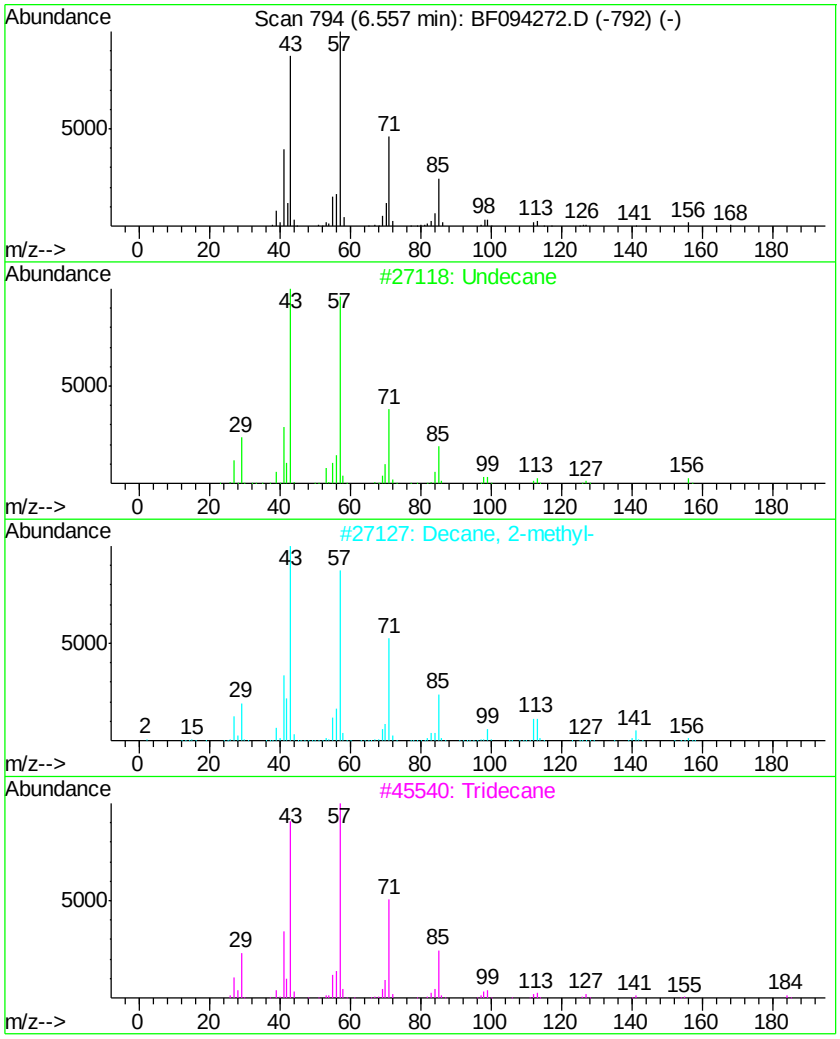
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

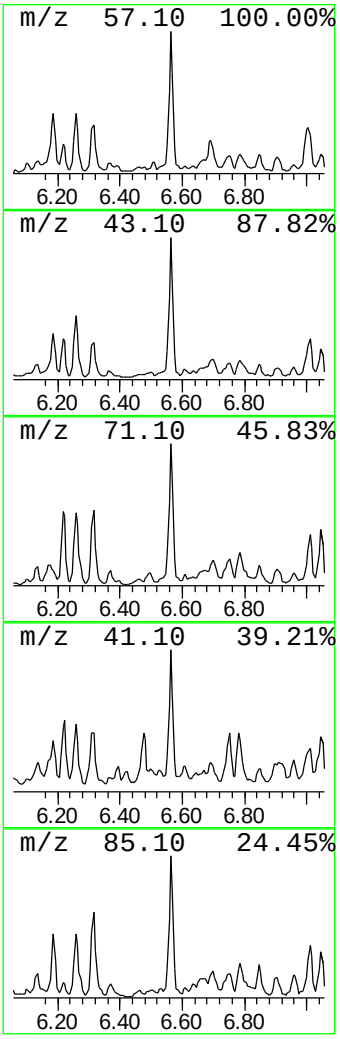
**********

Peak Number 17 Undecane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.56 | 10.24 ng | 592912 | 1,4-Dichlorobenzene-d4 | 5.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 94 |
| 2 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 80 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 78 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 64 |
| 5 | Octane, 3-ethyl-2,7-dimethyl- | 170 | C12H26 | 062183-55-5 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

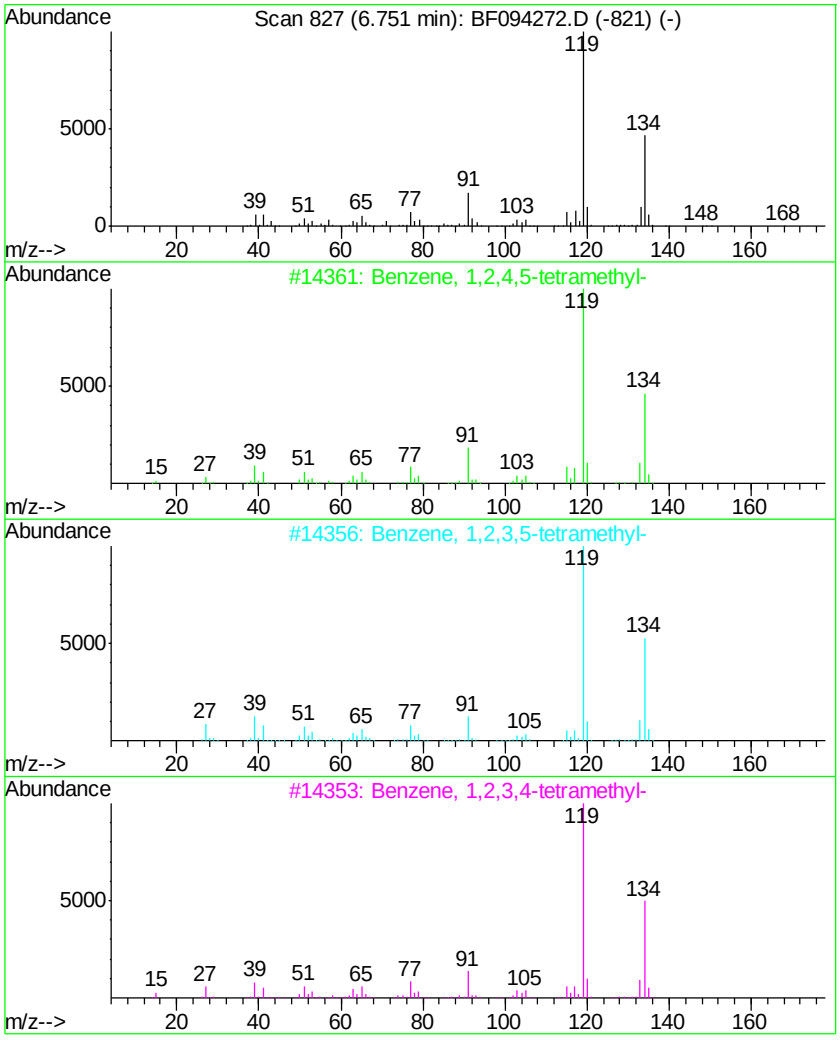
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

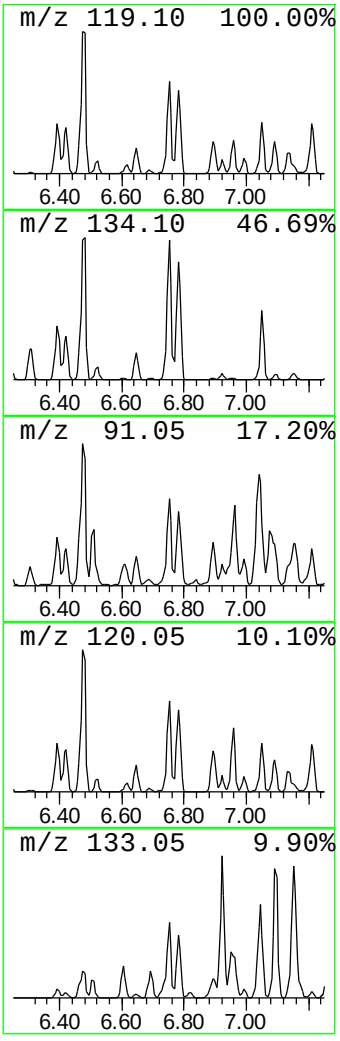
**********

Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.75 | 11.18 ng | 1345520 | Naphthalene-d8 | 7.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 94 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

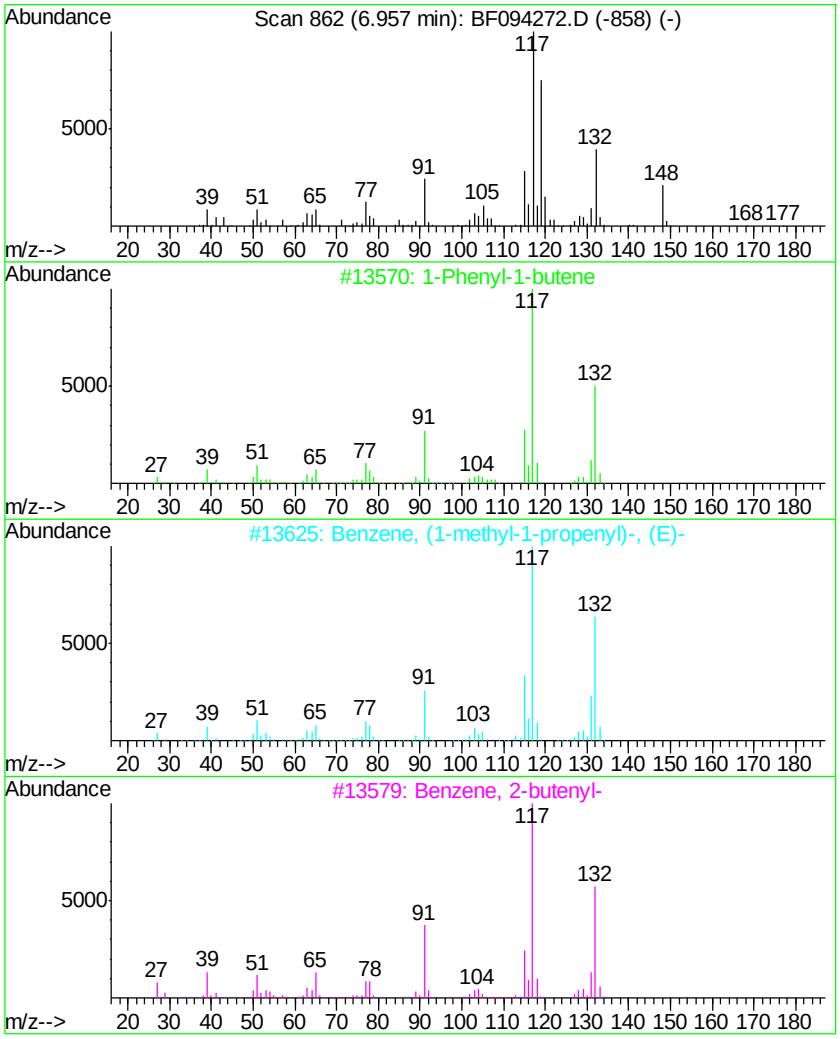
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

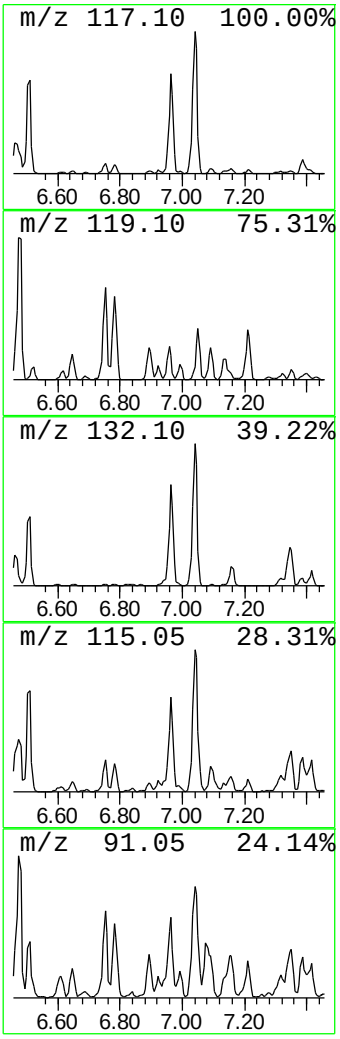
**********

Peak Number 19 1-Phenyl-1-butene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.96 | 13.55 ng | 1631480 | Naphthalene-d8 | 7.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 87 |
| 2 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 83 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 83 |
| 4 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 83 |
| 5 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 81 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

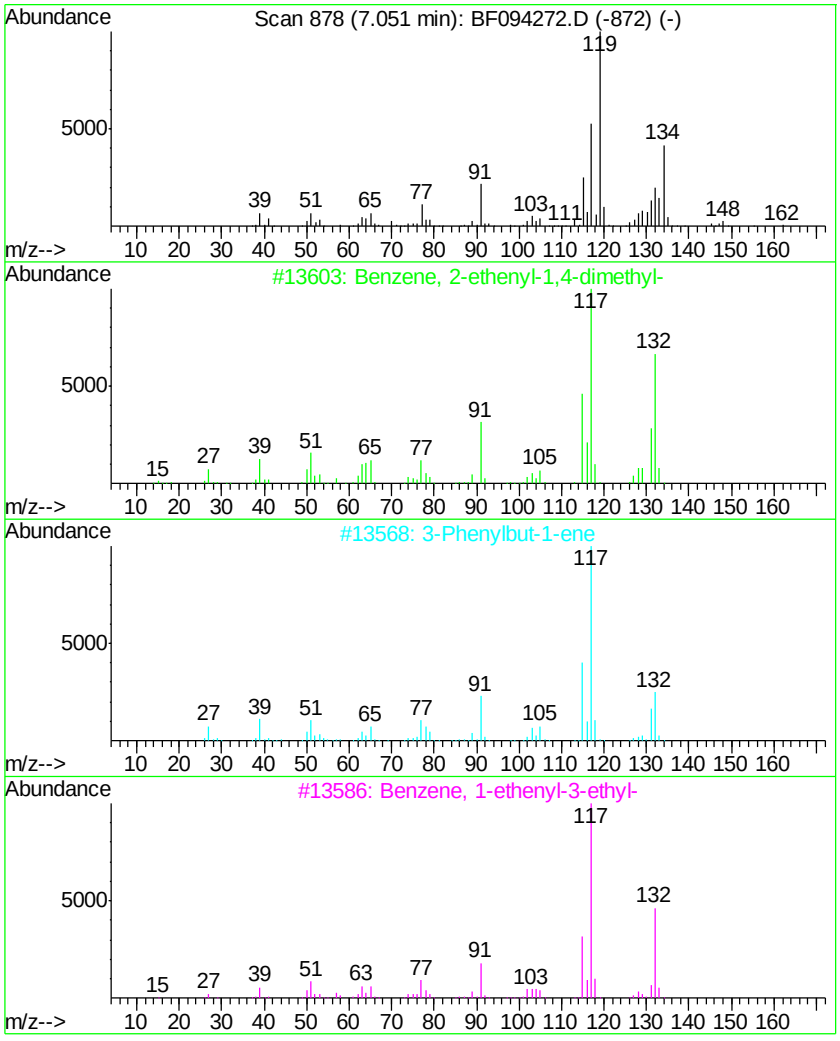
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

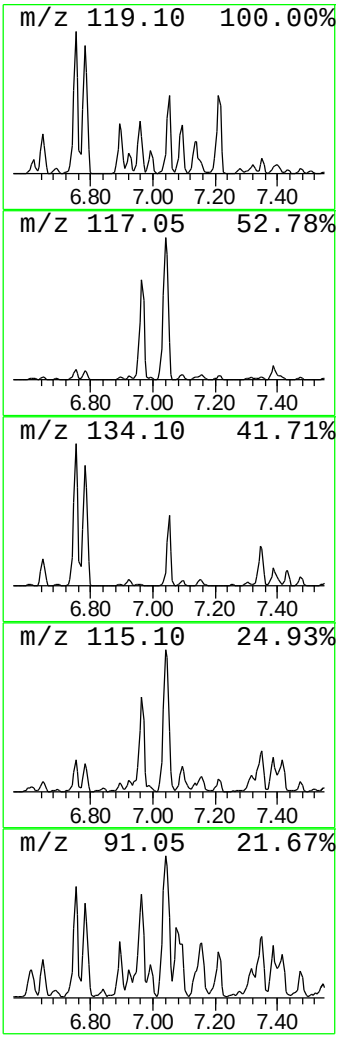
**********

Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.05 | 22.36 ng | 2691840 | Naphthalene-d8 | 7.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 92 |
| 2 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 76 |
| 3 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 70 |
| 4 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 70 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 62 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040717\
Data File : BF094272.D
Acq On : 7 Apr 2017 14:51
Operator : SJ/MA
Sample : I2528-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Nonane | 4.67 | 9.3 | ng | 536615 | 1 | 5.85 | 1158050 | 20.0 |
| Benzene, propyl- | 5.25 | 17.7 | ng | 1027340 | 1 | 5.85 | 1158050 | 20.0 |
| Nonane, 2-methyl- | 5.33 | 10.0 | ng | 580213 | 1 | 5.85 | 1158050 | 20.0 |
| Benzene, 1-ethyl-... | 5.35 | 11.6 | ng | 670243 | 1 | 5.85 | 1158050 | 20.0 |
| unknown5.59 | 5.59 | 62.3 | ng | 3605990 | 1 | 5.85 | 1158050 | 20.0 |
| Benzene, 1,2,3-tr... | 5.65 | 35.4 | ng | 2052190 | 1 | 5.85 | 1158050 | 20.0 |
| Benzene, 1-ethyl-... | 5.92 | 18.0 | ng | 1039990 | 1 | 5.85 | 1158050 | 20.0 |
| Indane | 6.05 | 20.9 | ng | 1210470 | 1 | 5.85 | 1158050 | 20.0 |
| Benzene, 1,2-diet... | 6.14 | 13.5 | ng | 781618 | 1 | 5.85 | 1158050 | 20.0 |
| Benzene, 1-methyl... | 6.17 | 11.8 | ng | 683881 | 1 | 5.85 | 1158050 | 20.0 |
| Benzene, 1,4-diet... | 6.22 | 32.3 | ng | 1870720 | 1 | 5.85 | 1158050 | 20.0 |
| Benzene, 1-methyl... | 6.31 | 13.0 | ng | 754500 | 1 | 5.85 | 1158050 | 20.0 |
| Benzene, 2-ethyl-... | 6.39 | 9.7 | ng | 560147 | 1 | 5.85 | 1158050 | 20.0 |
| Undecane | 6.56 | 10.2 | ng | 592912 | 1 | 5.85 | 1158050 | 20.0 |
| Benzene, 1,2,4,5-... | 6.75 | 11.2 | ng | 1345520 | 2 | 7.35 | 2407800 | 20.0 |
| 1-Phenyl-1-butene | 6.96 | 13.6 | ng | 1631480 | 2 | 7.35 | 2407800 | 20.0 |
| Benzene, 2-etheny... | 7.05 | 22.4 | ng | 2691840 | 2 | 7.35 | 2407800 | 20.0 |