LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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 | 2.449 | 15 | 19 | 24 | rVB4 | 25658 | 44393 | 1.50% | 0.129% |
| 2 | 2.702 | 49 | 62 | 73 | rVB4 | 51379 | 154272 | 5.21% | 0.449% |
| 3 | 2.925 | 94 | 100 | 109 | rVB3 | 97171 | 215885 | 7.28% | 0.629% |
| 4 | 3.184 | 133 | 144 | 145 | rBV4 | 19985 | 42492 | 1.43% | 0.124% |
| 5 | 3.231 | 146 | 152 | 159 | rVB | 78728 | 163691 | 5.52% | 0.477% |
| 6 | 3.572 | 203 | 210 | 212 | rBV2 | 19311 | 32504 | 1.10% | 0.095% |
| 7 | 3.607 | 212 | 216 | 220 | rVB3 | 28653 | 44787 | 1.51% | 0.130% |
| 8 | 3.755 | 232 | 241 | 244 | rBV3 | 17234 | 32926 | 1.11% | 0.096% |
| 9 | 3.813 | 245 | 251 | 257 | rVB | 90177 | 134096 | 4.52% | 0.391% |
| 10 | 4.002 | 279 | 283 | 288 | rVB2 | 32185 | 40945 | 1.38% | 0.119% |
| 11 | 4.072 | 288 | 295 | 299 | rBV4 | 21833 | 40103 | 1.35% | 0.117% |
| 12 | 4.160 | 304 | 310 | 317 | rVB | 63188 | 88069 | 2.97% | 0.257% |
| 13 | 4.296 | 323 | 333 | 336 | rBV3 | 23113 | 41685 | 1.41% | 0.121% |
| 14 | 4.343 | 336 | 341 | 345 | rVV2 | 38397 | 52013 | 1.76% | 0.152% |
| 15 | 4.390 | 345 | 349 | 355 | rVB3 | 21089 | 32031 | 1.08% | 0.093% |
| 16 | 4.478 | 359 | 364 | 370 | rBV2 | 48997 | 80555 | 2.72% | 0.235% |
| 17 | 4.660 | 390 | 395 | 399 | rBV3 | 93656 | 129101 | 4.36% | 0.376% |
| 18 | 4.754 | 407 | 411 | 415 | rVB | 121238 | 137624 | 4.64% | 0.401% |
| 19 | 4.990 | 448 | 451 | 454 | rBV2 | 34060 | 37083 | 1.25% | 0.108% |
| 20 | 5.019 | 454 | 456 | 460 | rVB | 47393 | 42318 | 1.43% | 0.123% |
| 21 | 5.066 | 460 | 464 | 467 | rBV4 | 27952 | 45609 | 1.54% | 0.133% |
| 22 | 5.149 | 475 | 478 | 481 | rVB | 30495 | 31699 | 1.07% | 0.092% |
| 23 | 5.196 | 481 | 486 | 492 | rVV2 | 132503 | 156893 | 5.29% | 0.457% |
| 24 | 5.260 | 492 | 497 | 501 | rVV2 | 142429 | 161830 | 5.46% | 0.471% |
| 25 | 5.325 | 505 | 508 | 514 | rVB3 | 58808 | 67091 | 2.26% | 0.195% |
| 26 | 5.419 | 522 | 524 | 528 | rVB4 | 25123 | 32914 | 1.11% | 0.096% |
| 27 | 5.584 | 545 | 552 | 554 | rBV3 | 177495 | 332932 | 11.23% | 0.970% |
| 28 | 5.613 | 554 | 557 | 561 | rVB | 1480998 | 1304369 | 44.01% | 3.800% |
| 29 | 5.701 | 569 | 572 | 575 | rVB | 37985 | 38423 | 1.30% | 0.112% |
| 30 | 5.772 | 575 | 584 | 589 | rBV | 167378 | 217457 | 7.34% | 0.634% |
| 31 | 5.819 | 589 | 592 | 596 | rVV2 | 42602 | 50997 | 1.72% | 0.149% |
| 32 | 5.854 | 596 | 598 | 600 | rVV2 | 38843 | 38007 | 1.28% | 0.111% |
| 33 | 5.884 | 600 | 603 | 610 | rVB3 | 51589 | 69541 | 2.35% | 0.203% |
| 34 | 5.996 | 616 | 622 | 624 | rBV2 | 56146 | 54871 | 1.85% | 0.160% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.278 | 666 | 670 | 672 | rBV2 | 26468 | 31790 | 1.07% | 0.093% |
| 36 | 6.301 | 672 | 674 | 676 | rVV | 53071 | 45407 | 1.53% | 0.132% |
| 37 | 6.331 | 676 | 679 | 681 | rVV | 40300 | 38190 | 1.29% | 0.111% |
| 38 | 6.372 | 681 | 686 | 688 | rVV2 | 32236 | 40862 | 1.38% | 0.119% |
| 39 | 6.396 | 688 | 690 | 694 | rVB | 121341 | 121268 | 4.09% | 0.353% |
| 40 | 6.490 | 699 | 706 | 708 | rBV2 | 48555 | 61434 | 2.07% | 0.179% |
| 41 | 6.519 | 708 | 711 | 716 | rVV | 477013 | 400187 | 13.50% | 1.166% |
| 42 | 6.566 | 716 | 719 | 722 | rVB | 795194 | 637878 | 21.52% | 1.858% |
| 43 | 6.607 | 723 | 726 | 730 | rBV | 1040425 | 854851 | 28.84% | 2.491% |
| 44 | 6.648 | 730 | 733 | 737 | rVB | 1174285 | 969895 | 32.73% | 2.826% |
| 45 | 6.748 | 745 | 750 | 753 | rBV | 2262090 | 2309174 | 77.92% | 6.728% |
| 46 | 6.790 | 753 | 757 | 760 | rVB | 2127244 | 1822120 | 61.48% | 5.309% |
| 47 | 6.966 | 783 | 787 | 790 | rBV | 813099 | 672799 | 22.70% | 1.960% |
| 48 | 7.019 | 793 | 796 | 803 | rVB | 939960 | 846718 | 28.57% | 2.467% |
| 49 | 7.125 | 809 | 814 | 816 | rBV | 2368376 | 2256249 | 76.13% | 6.574% |
| 50 | 7.143 | 816 | 817 | 820 | rVB | 425979 | 290479 | 9.80% | 0.846% |
| 51 | 7.207 | 825 | 828 | 830 | rBV | 205128 | 161807 | 5.46% | 0.471% |
| 52 | 7.231 | 830 | 832 | 836 | rVB2 | 33927 | 37087 | 1.25% | 0.108% |
| 53 | 7.278 | 836 | 840 | 842 | rBV | 252654 | 241315 | 8.14% | 0.703% |
| 54 | 7.295 | 842 | 843 | 846 | rVB | 60479 | 41787 | 1.41% | 0.122% |
| 55 | 7.354 | 850 | 853 | 858 | rVB | 109728 | 97011 | 3.27% | 0.283% |
| 56 | 7.419 | 860 | 864 | 867 | rBV | 223605 | 221036 | 7.46% | 0.644% |
| 57 | 7.448 | 867 | 869 | 872 | rVB | 184581 | 143759 | 4.85% | 0.419% |
| 58 | 7.495 | 873 | 877 | 879 | rBV | 499704 | 447910 | 15.11% | 1.305% |
| 59 | 7.531 | 879 | 883 | 886 | rVV | 2156340 | 2337551 | 78.88% | 6.810% |
| 60 | 7.595 | 889 | 894 | 899 | rBV6 | 43479 | 69082 | 2.33% | 0.201% |
| 61 | 7.642 | 899 | 902 | 905 | rVB2 | 214093 | 172211 | 5.81% | 0.502% |
| 62 | 7.725 | 913 | 916 | 919 | rBV | 337679 | 313281 | 10.57% | 0.913% |
| 63 | 7.754 | 919 | 921 | 924 | rVV | 511780 | 373318 | 12.60% | 1.088% |
| 64 | 7.807 | 927 | 930 | 933 | rVB | 40199 | 34073 | 1.15% | 0.099% |
| 65 | 7.890 | 941 | 944 | 946 | rBV2 | 87435 | 80088 | 2.70% | 0.233% |
| 66 | 7.913 | 946 | 948 | 953 | rVB | 436676 | 377145 | 12.73% | 1.099% |
| 67 | 7.978 | 953 | 959 | 963 | rBV | 876051 | 847010 | 28.58% | 2.468% |
| 68 | 8.054 | 969 | 972 | 974 | rVB3 | 35296 | 39340 | 1.33% | 0.115% |
| 69 | 8.084 | 974 | 977 | 979 | rVB | 108809 | 77436 | 2.61% | 0.226% |
| 70 | 8.184 | 990 | 994 | 996 | rBV2 | 22966 | 32381 | 1.09% | 0.094% |
| 71 | 8.248 | 996 | 1005 | 1010 | rVV2 | 977211 | 1298966 | 43.83% | 3.785% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 8.290 | 1010 | 1012 | 1015 | rVV | 187557 | 153831 | 5.19% | 0.448% |
| 73 | 8.325 | 1016 | 1018 | 1021 | rVB | 53577 | 41498 | 1.40% | 0.121% |
| 74 | 8.437 | 1035 | 1037 | 1040 | rVB2 | 32003 | 30682 | 1.04% | 0.089% |
| 75 | 8.507 | 1044 | 1049 | 1053 | rBV2 | 90913 | 158018 | 5.33% | 0.460% |
| 76 | 8.542 | 1053 | 1055 | 1058 | rVB | 62137 | 49011 | 1.65% | 0.143% |
| 77 | 8.625 | 1066 | 1069 | 1072 | rBV | 106563 | 80823 | 2.73% | 0.235% |
| 78 | 8.707 | 1080 | 1083 | 1087 | rBV | 91336 | 90099 | 3.04% | 0.263% |
| 79 | 8.760 | 1087 | 1092 | 1095 | rVB2 | 91819 | 105106 | 3.55% | 0.306% |
| 80 | 8.837 | 1101 | 1105 | 1108 | rBV2 | 84292 | 85343 | 2.88% | 0.249% |
| 81 | 8.913 | 1115 | 1118 | 1120 | rBV | 57353 | 51970 | 1.75% | 0.151% |
| 82 | 8.960 | 1123 | 1126 | 1128 | rVV | 98968 | 76576 | 2.58% | 0.223% |
| 83 | 8.984 | 1128 | 1130 | 1133 | rVB | 64035 | 47219 | 1.59% | 0.138% |
| 84 | 9.060 | 1138 | 1143 | 1147 | rBV3 | 173065 | 199427 | 6.73% | 0.581% |
| 85 | 9.325 | 1182 | 1188 | 1191 | rBV | 3060974 | 2963613 | 100.00% | 8.634% |
| 86 | 9.489 | 1213 | 1216 | 1220 | rBV | 85812 | 79151 | 2.67% | 0.231% |
| 87 | 9.566 | 1226 | 1229 | 1231 | rBV | 51946 | 48006 | 1.62% | 0.140% |
| 88 | 9.589 | 1231 | 1233 | 1236 | rVB | 56658 | 46426 | 1.57% | 0.135% |
| 89 | 9.713 | 1251 | 1254 | 1258 | rBV | 90721 | 74692 | 2.52% | 0.218% |
| 90 | 10.007 | 1300 | 1304 | 1308 | rBV | 892274 | 760017 | 25.64% | 2.214% |
| 91 | 10.419 | 1371 | 1374 | 1377 | rVB2 | 44255 | 33723 | 1.14% | 0.098% |
| 92 | 10.801 | 1434 | 1439 | 1442 | rBV | 1587155 | 1462351 | 49.34% | 4.261% |
| 93 | 10.889 | 1452 | 1454 | 1459 | rBV | 35167 | 38190 | 1.29% | 0.111% |
| 94 | 11.495 | 1554 | 1557 | 1561 | rBV | 704628 | 606222 | 20.46% | 1.766% |
| 95 | 13.083 | 1823 | 1827 | 1830 | rBV | 2679204 | 2479440 | 83.66% | 7.224% |
| 96 | 13.966 | 1973 | 1977 | 1982 | rBV2 | 72122 | 83905 | 2.83% | 0.244% |
| 97 | 14.142 | 2003 | 2007 | 2011 | rBV | 763161 | 724985 | 24.46% | 2.112% |
| 98 | 14.995 | 2149 | 2152 | 2156 | rVB | 76139 | 75996 | 2.56% | 0.221% |
| 99 | 15.677 | 2263 | 2268 | 2278 | rVB | 497441 | 644869 | 21.76% | 1.879% |

Sum of corrected areas: 34323290

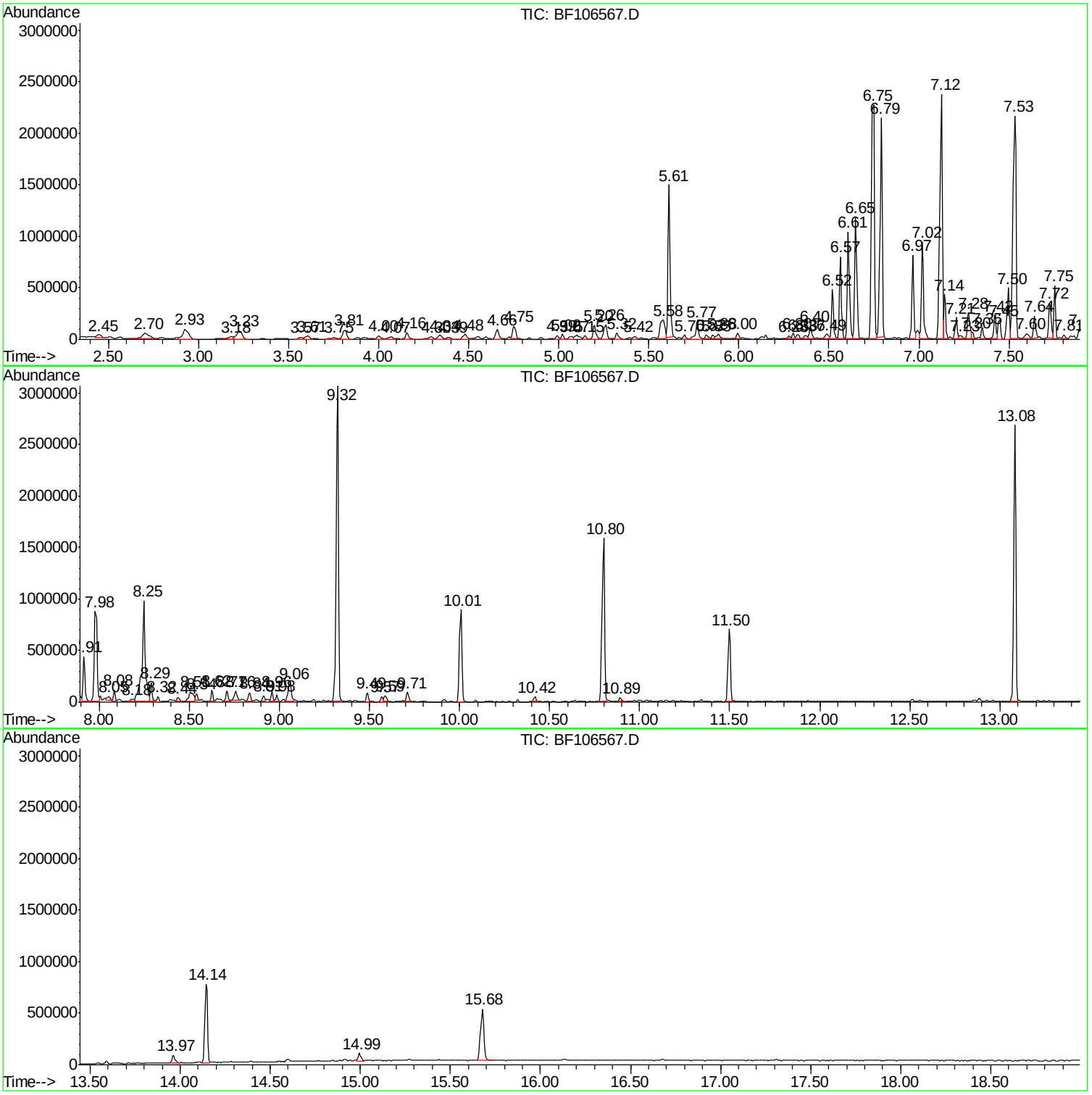
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

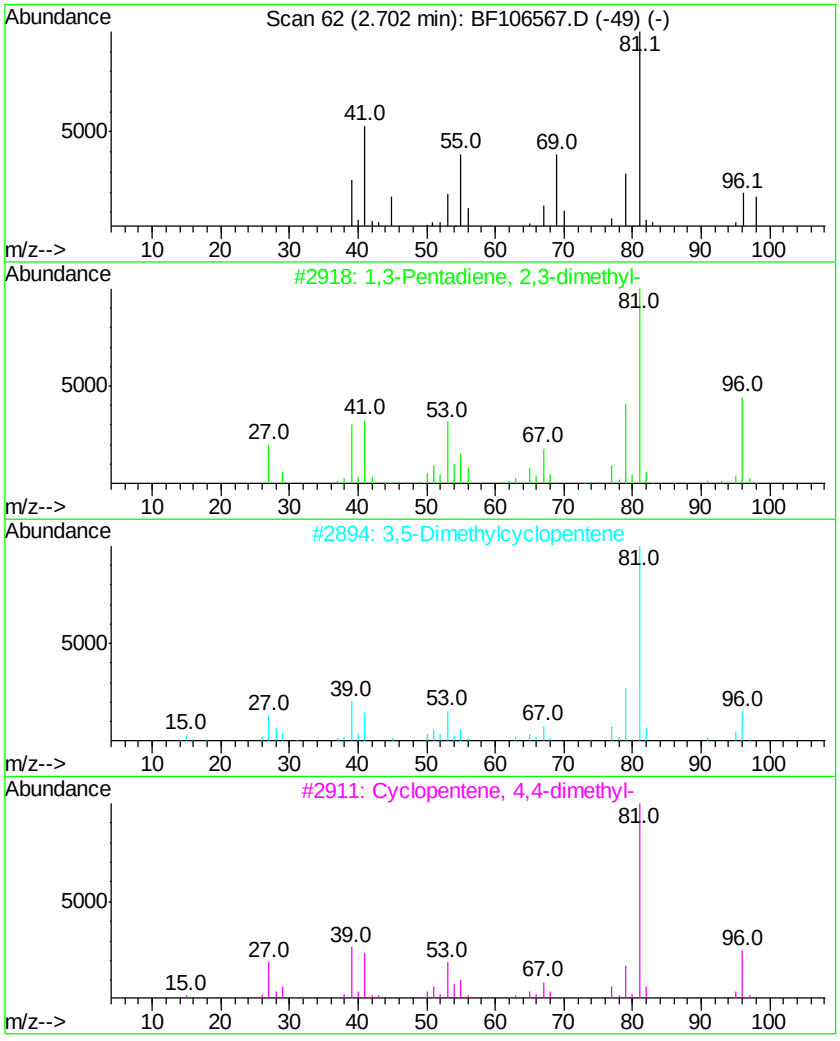
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

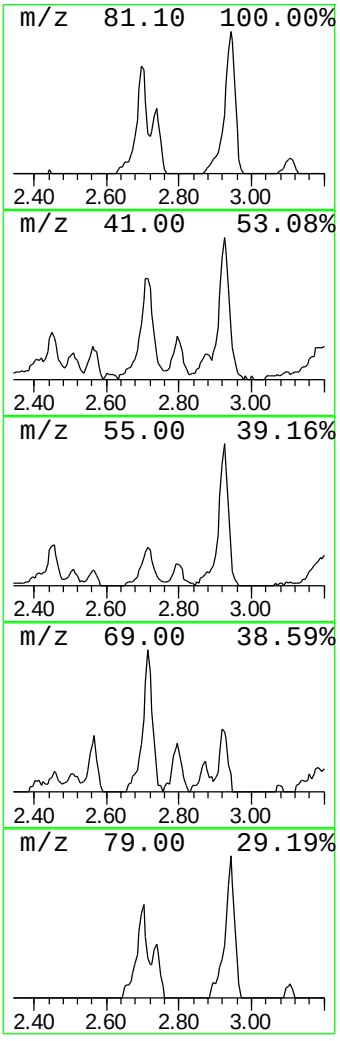
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 1,3-Pentadiene, 2,3-dimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.70 | 4.59 ng | 154272 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Pentadiene, 2,3-dimethyl- | 96 | C7H12 | 001113-56-0 | 76 |
| 2 | 3,5-Dimethylcyclopentene | 96 | C7H12 | 007459-71-4 | 74 |
| 3 | Cyclopentene, 4,4-dimethyl- | 96 | C7H12 | 019037-72-0 | 68 |
| 4 | 2-Hexyne, 4-methyl- | 96 | C7H12 | 020198-49-6 | 59 |
| 5 | 1,4-Pentadiene, 3,3-dimethyl- | 96 | C7H12 | 001112-35-2 | 59 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

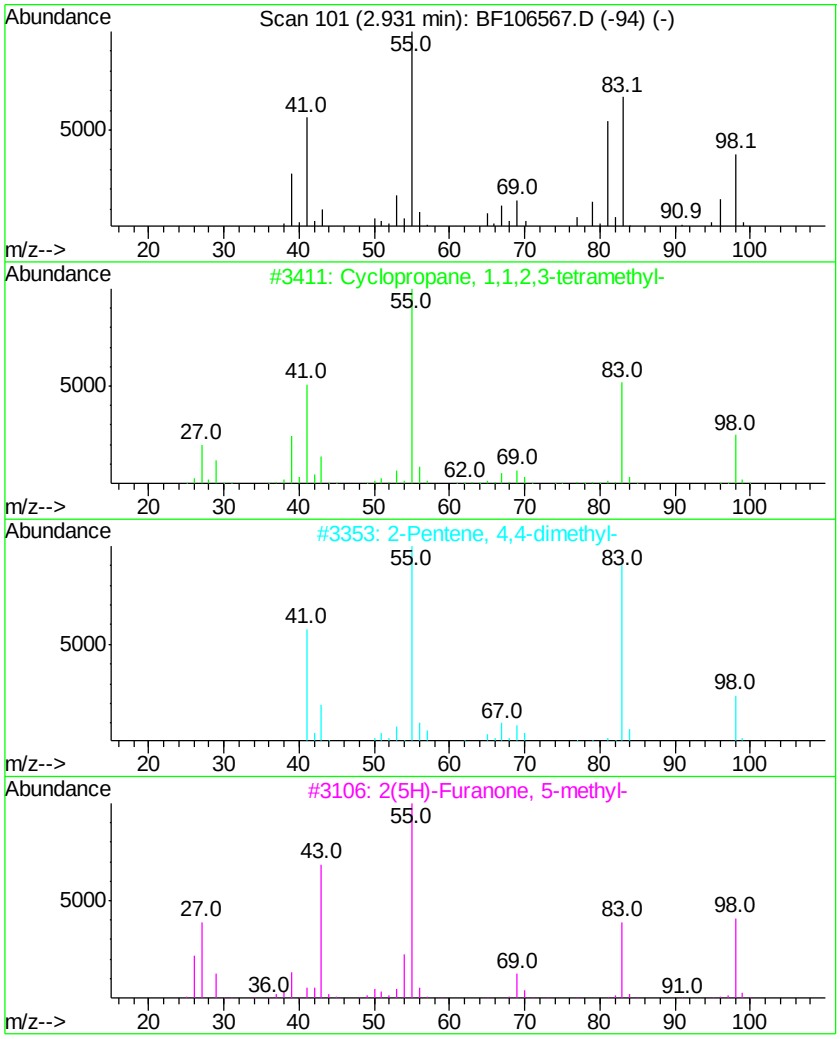
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

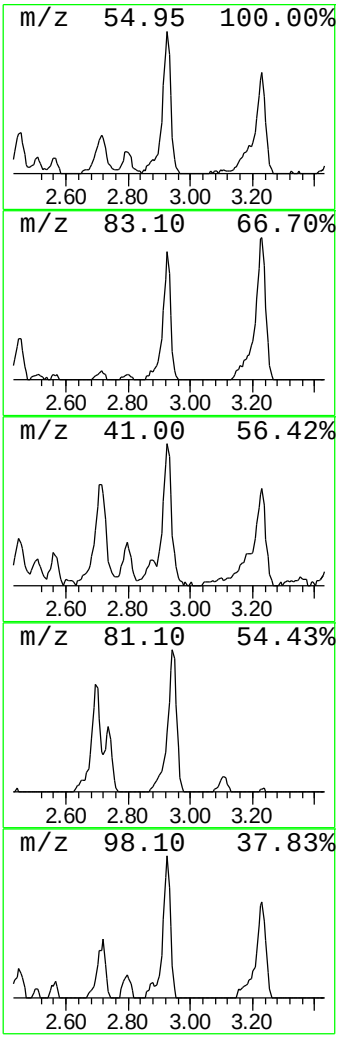
**********

Peak Number 2 Cyclopropane, 1,1,2,3-tetra... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.93 | 6.42 ng | 215885 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane, 1,1,2,3-tetramethyl- | 98 | C7H14 | 074752-93-5 | 78 |
| 2 | 2-Pentene, 4,4-dimethyl- | 98 | C7H14 | 026232-98-4 | 72 |
| 3 | 2(5H)-Furanone, 5-methyl- | 98 | C5H6O2 | 000591-11-7 | 72 |
| 4 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 64 |
| 5 | 1-Pentene, 2,3-dimethyl- | 98 | C7H14 | 003404-72-6 | 64 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

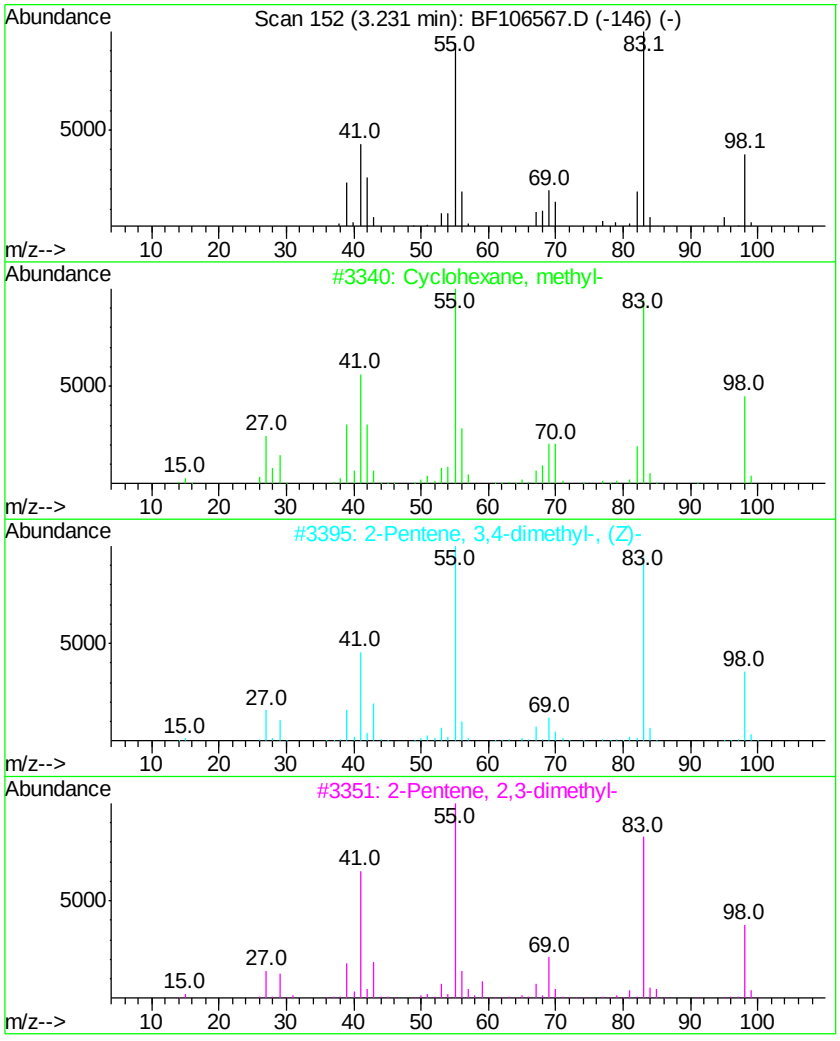
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

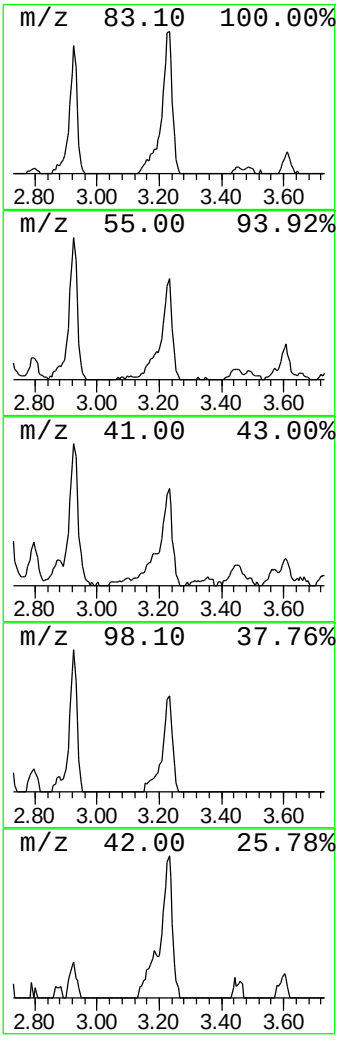
**********

Peak Number 3 Cyclohexane, methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.23 | 4.87 ng | 163691 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 83 |
| 2 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 64 |
| 3 | 2-Pentene, 2,3-dimethyl- | 98 | C7H14 | 010574-37-5 | 59 |
| 4 | 2-Pentene, 4,4-dimethyl-, (Z)- | 98 | C7H14 | 000762-63-0 | 59 |
| 5 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 58 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

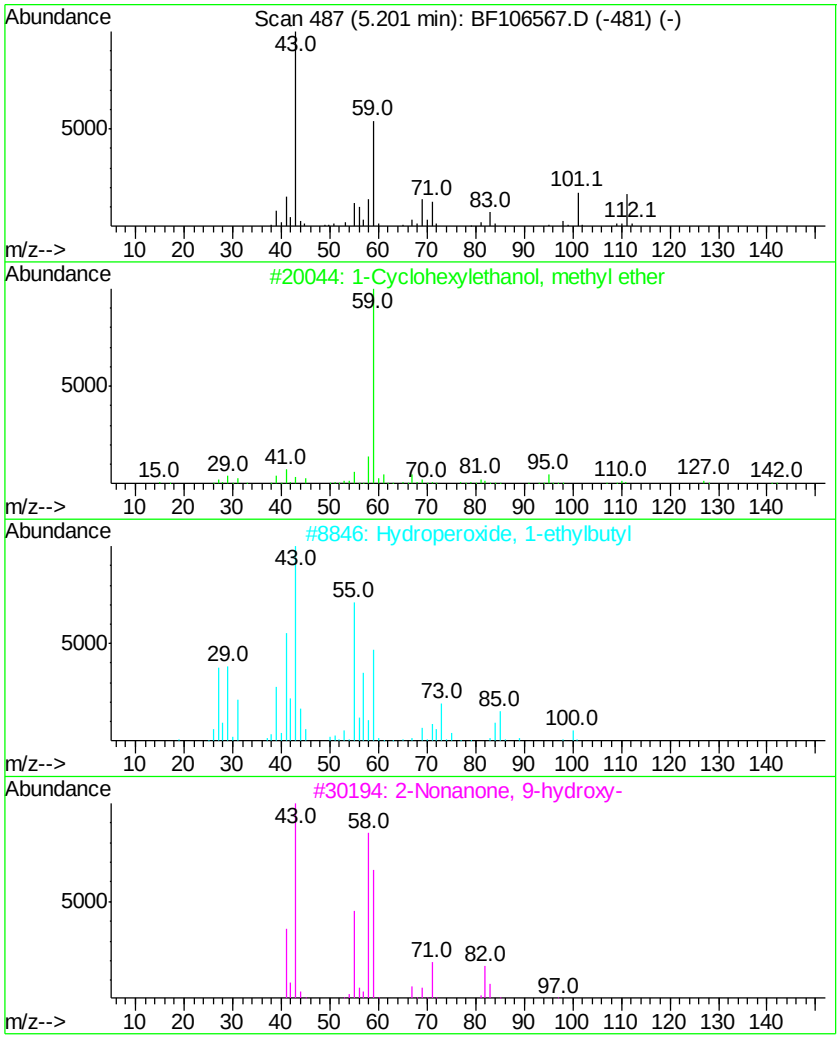
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

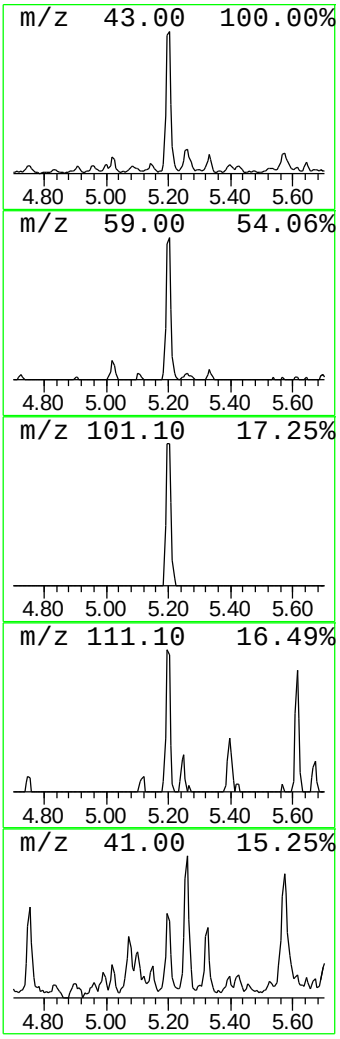
**********

Peak Number 4 unknown5.20 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.20 | 4.66 ng | 156893 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Cyclohexylethanol, methyl ether | 142 | C9H18O | 1000365-12-8 | 35 |
| 2 | Hydroperoxide, 1-ethylbutyl | 118 | C6H14O2 | 024254-56-6 | 33 |
| 3 | 2-Nonanone, 9-hydroxy- | 158 | C9H18O2 | 025368-56-3 | 28 |
| 4 | 3-Octanol | 130 | C8H18O | 000589-98-0 | 25 |
| 5 | 3-Heptanol, 6-methyl- | 130 | C8H18O | 018720-66-6 | 25 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

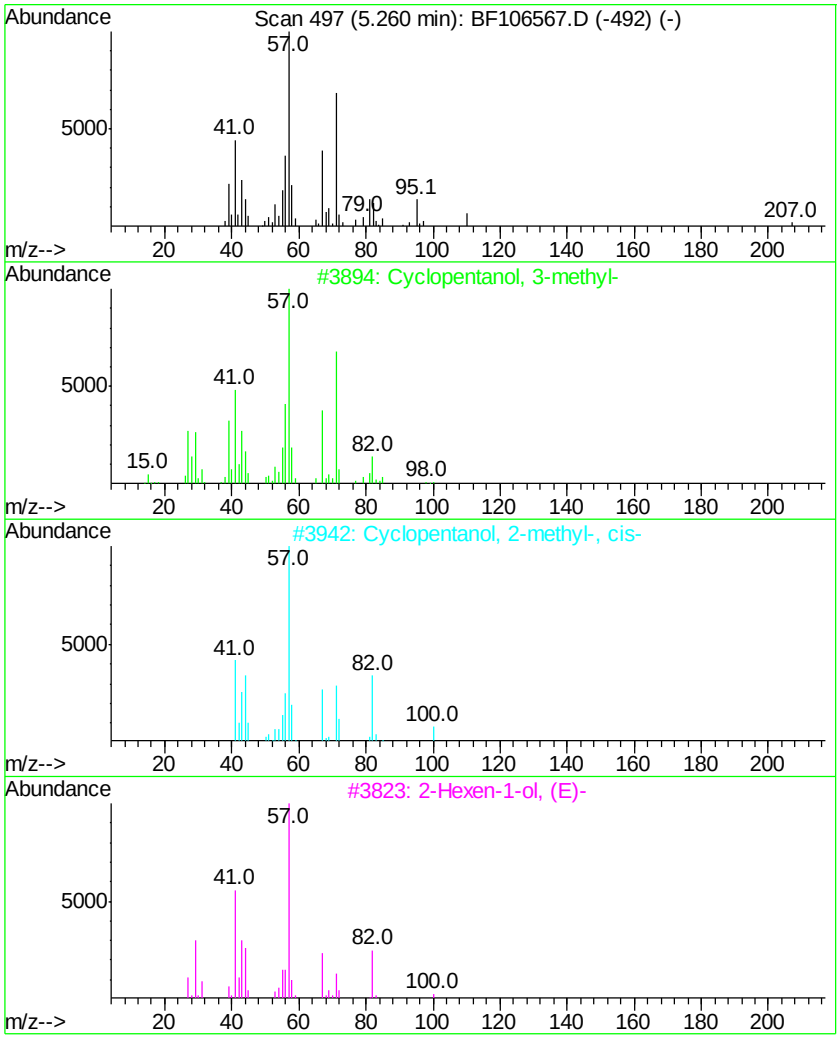
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

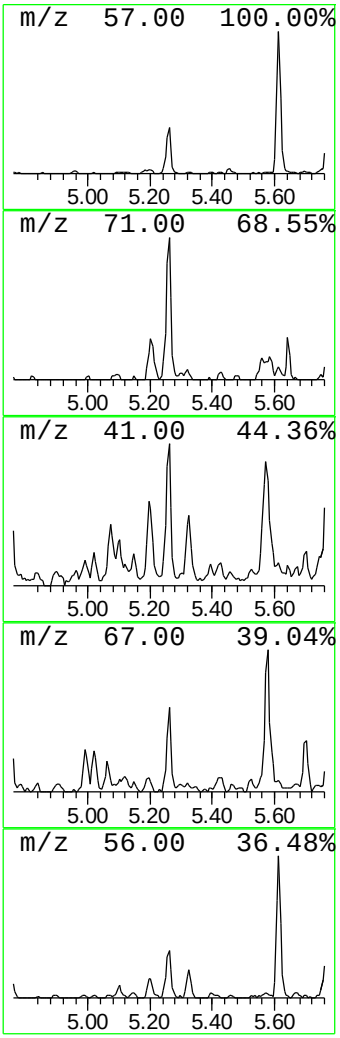
**********

Peak Number 5 Cyclopentanol, 3-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.26 | 4.81 ng | 161830 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentanol, 3-methyl- | 100 | C6H12O | 018729-48-1 | 56 |
| 2 | Cyclopentanol, 2-methyl-, cis- | 100 | C6H12O | 025144-05-2 | 40 |
| 3 | 2-Hexen-1-ol, (E)- | 100 | C6H12O | 000928-95-0 | 32 |
| 4 | Cis-3-methylpent-3-ene-5-ol | 100 | C6H12O | 030804-75-2 | 27 |
| 5 | Cyclohexanol, 1-methyl- | 114 | C7H14O | 000590-67-0 | 27 |



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Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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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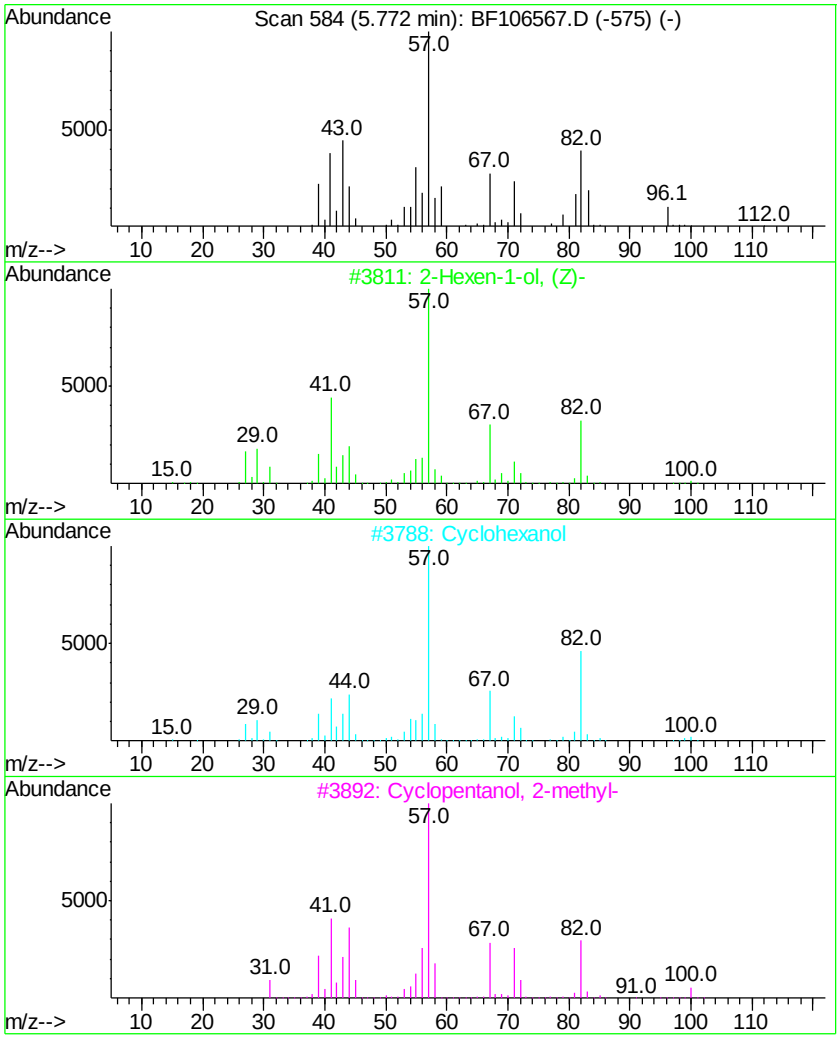
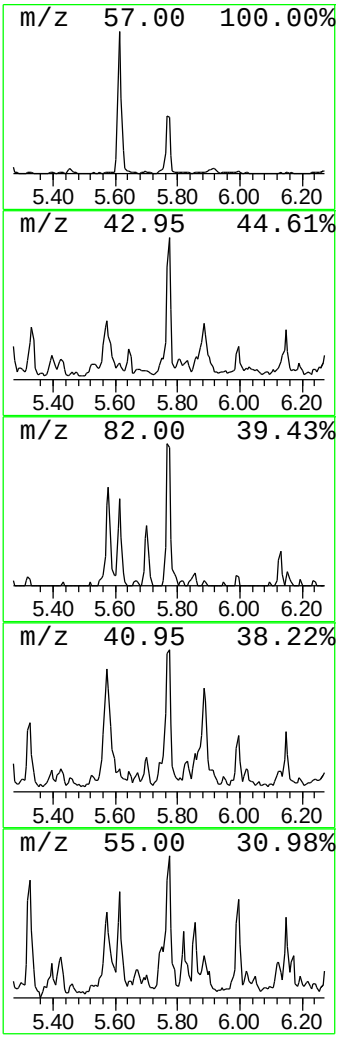
Peak Number 6 2-Hexen-1-ol, (Z)- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.77 | 6.46 ng | 217457 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexen-1-ol, (Z)- | 100 | C6H12O | 000928-94-9 | 52 |
| 2 | Cyclohexanol | 100 | C6H12O | 000108-93-0 | 52 |
| 3 | Cyclopentanol, 2-methyl- | 100 | C6H12O | 024070-77-7 | 38 |
| 4 | 2-Hexen-1-ol, (E)- | 100 | C6H12O | 000928-95-0 | 38 |
| 5 | Cyclopentanol, 2-methyl-, cis- | 100 | C6H12O | 025144-05-2 | 37 |



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Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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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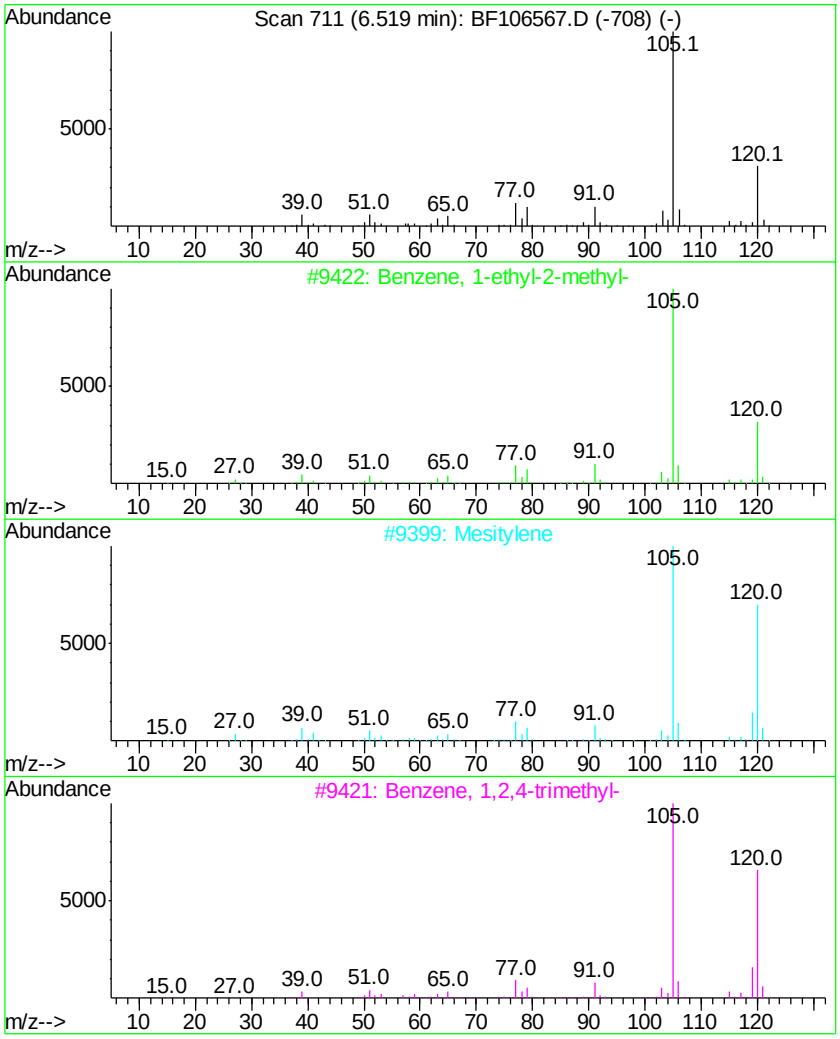
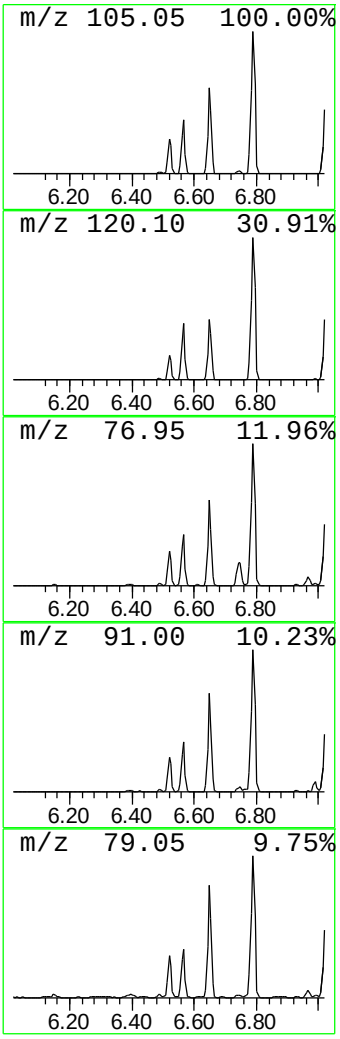
Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.52 | 11.90 ng | 400187 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |



Library Search Compound Report

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Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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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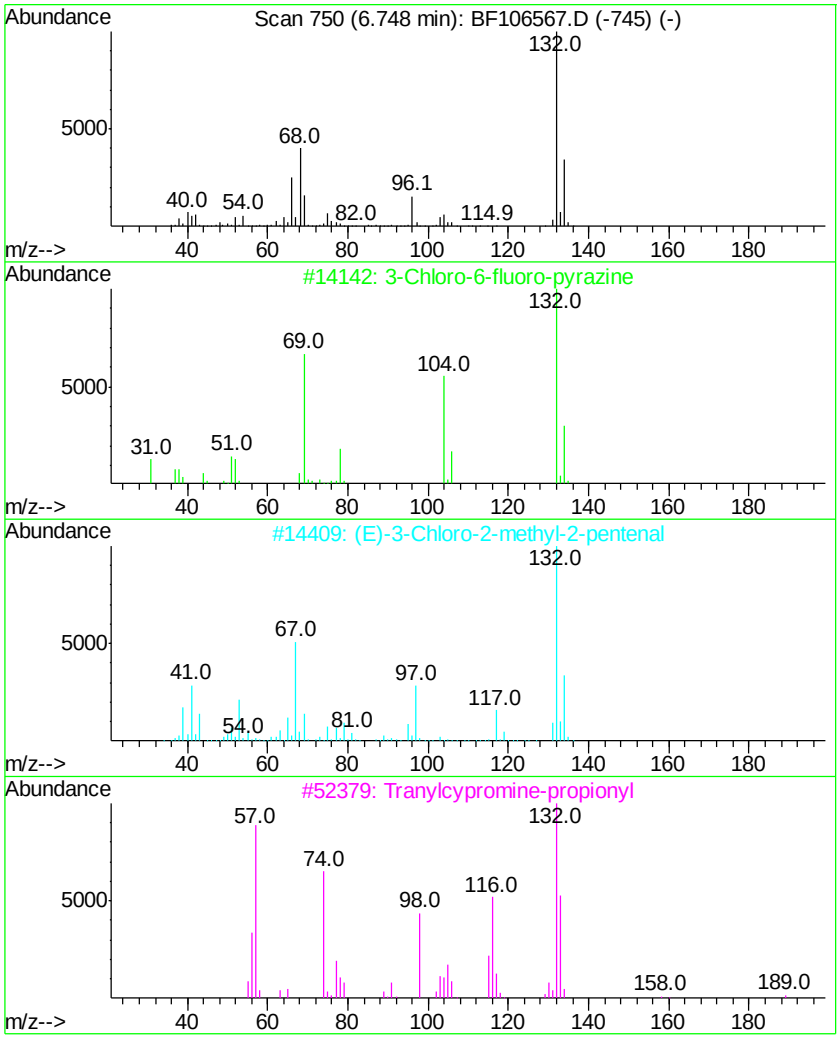
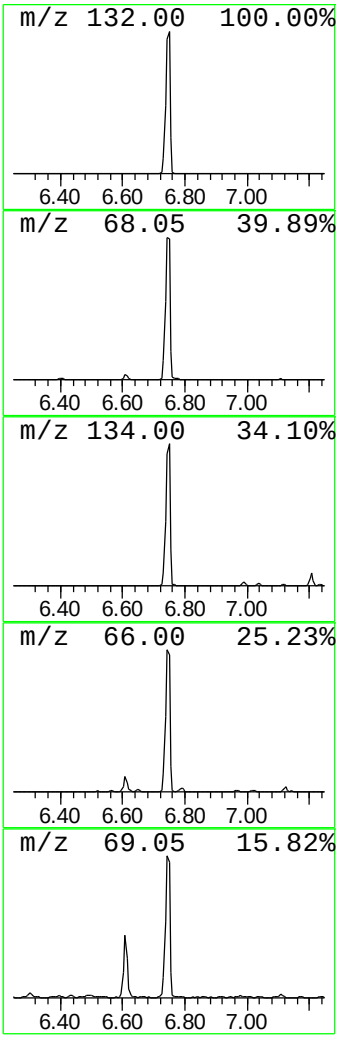
Peak Number 8 unknown6.75 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.75 | 68.64 ng | 2309170 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |



# Library Search Compound Report

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Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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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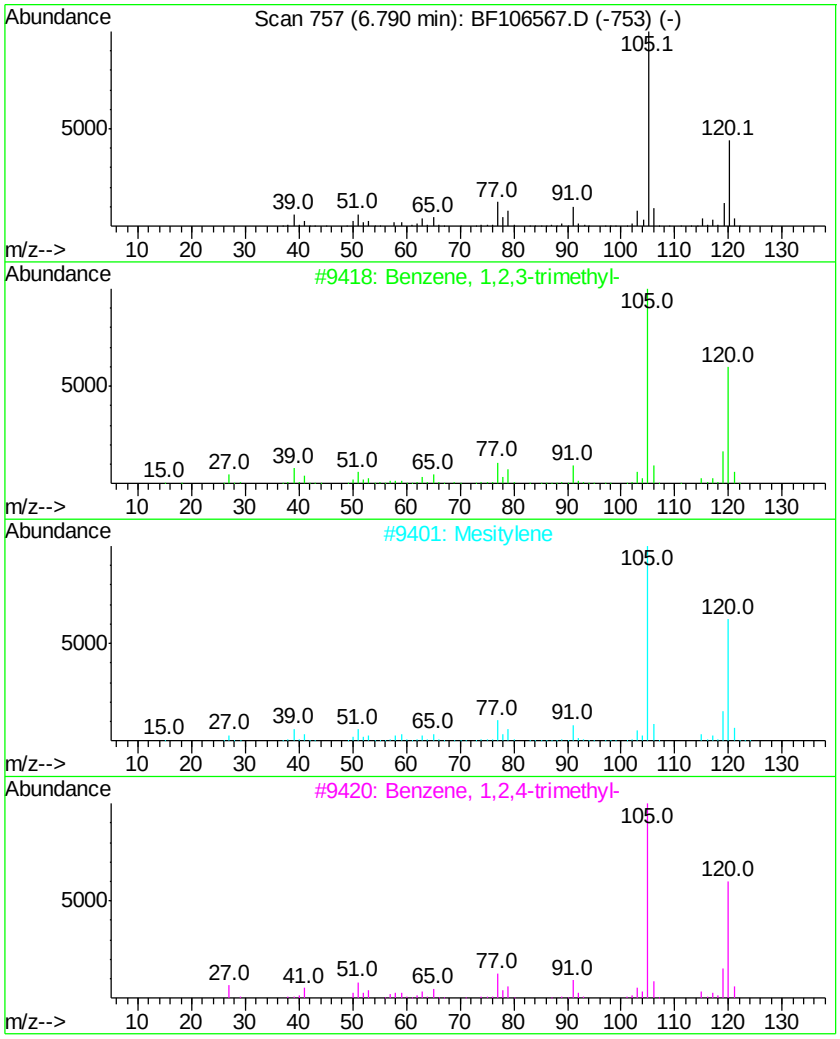
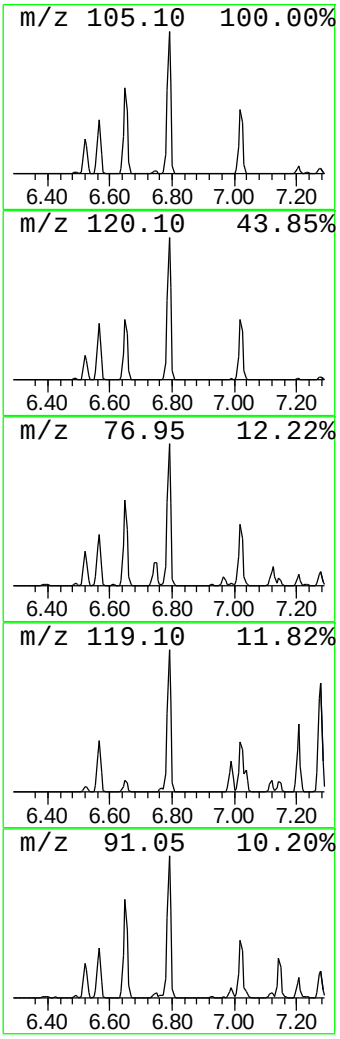
Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.79 | 54.17 ng | 1822120 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 95 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 90 |
| 5 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 90 |



# Library Search Compound Report

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Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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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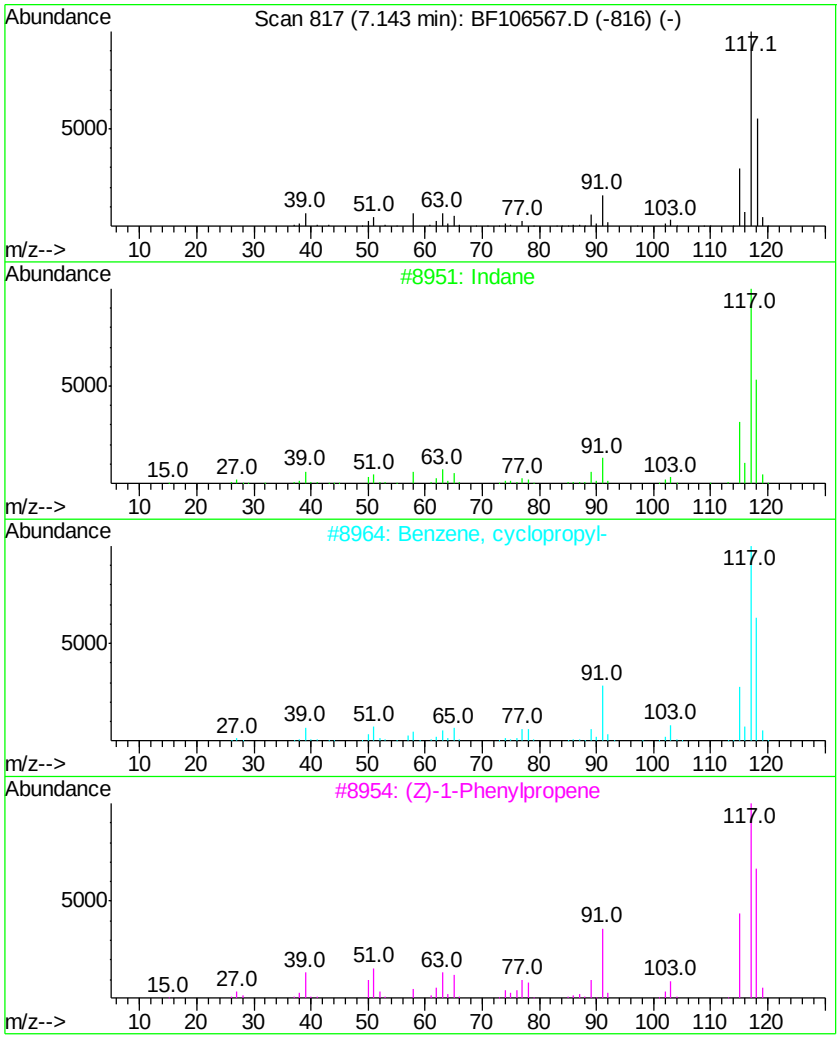
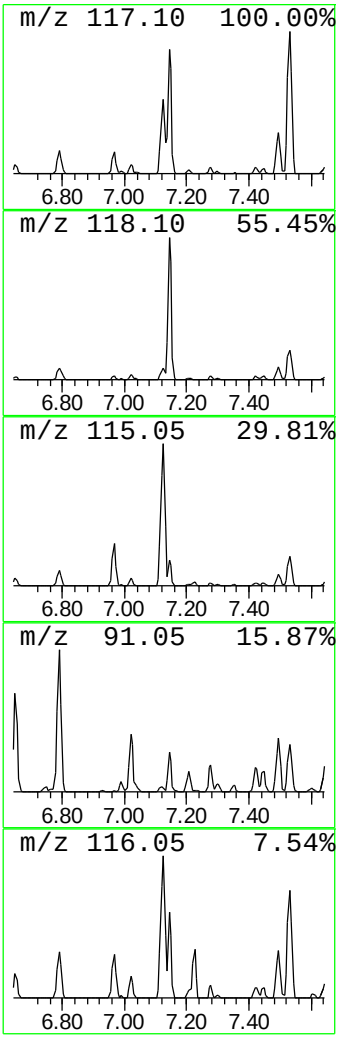
Peak Number 12 Indane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.14 | 8.63 ng | 290479 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 87 |
| 2 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 83 |
| 3 | (Z)-1-Phenylpropene | 118 | C9H10 | 000766-90-5 | 81 |
| 4 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 80 |
| 5 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 80 |



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Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

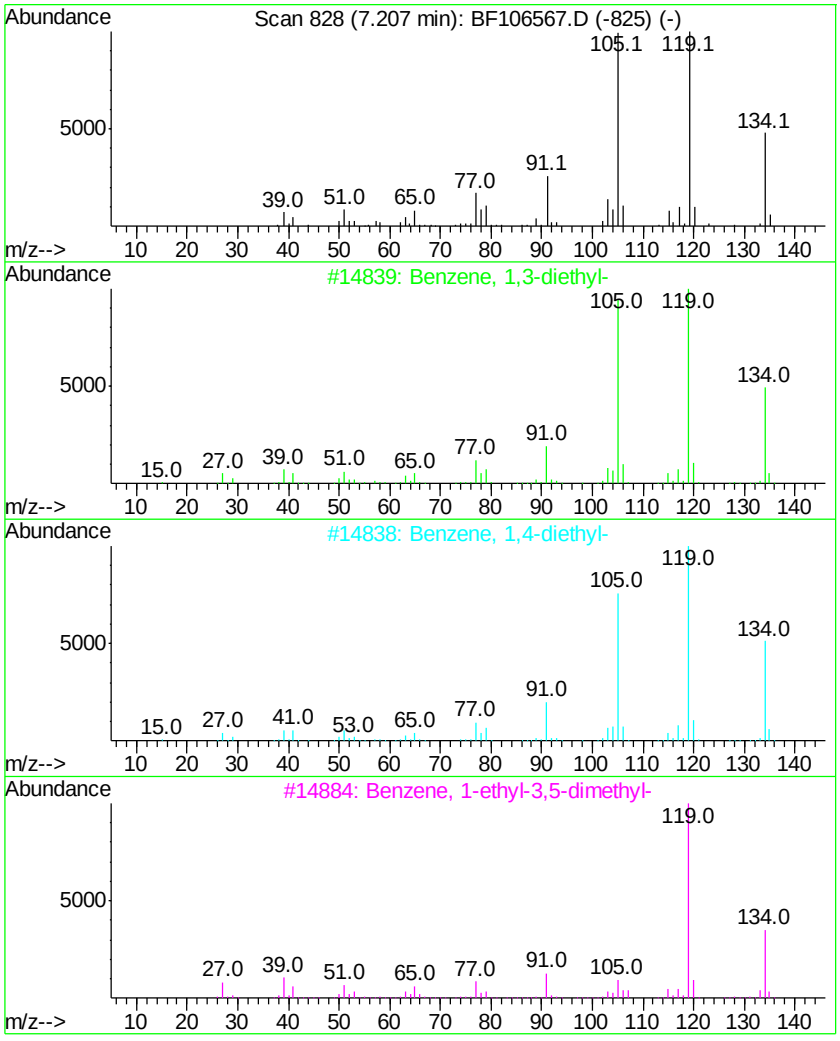
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

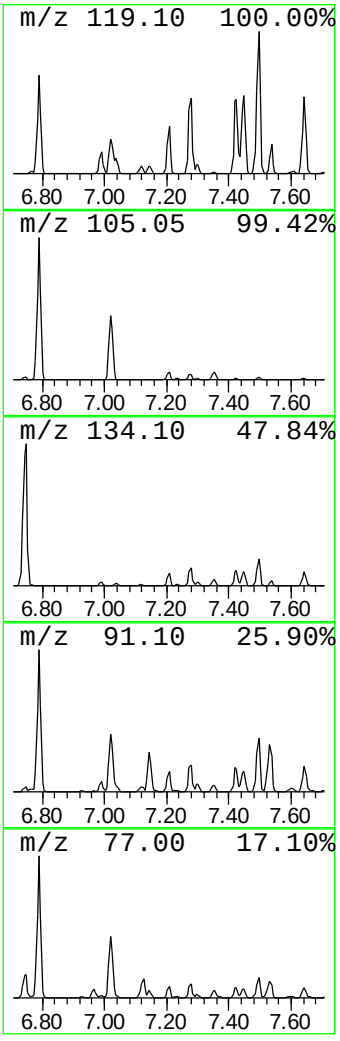
**********

Peak Number 13 Benzene, 1,3-diethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.21 | 4.81 ng | 161807 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 97 |
| 2 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 94 |
| 3 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 90 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 83 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 81 |



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Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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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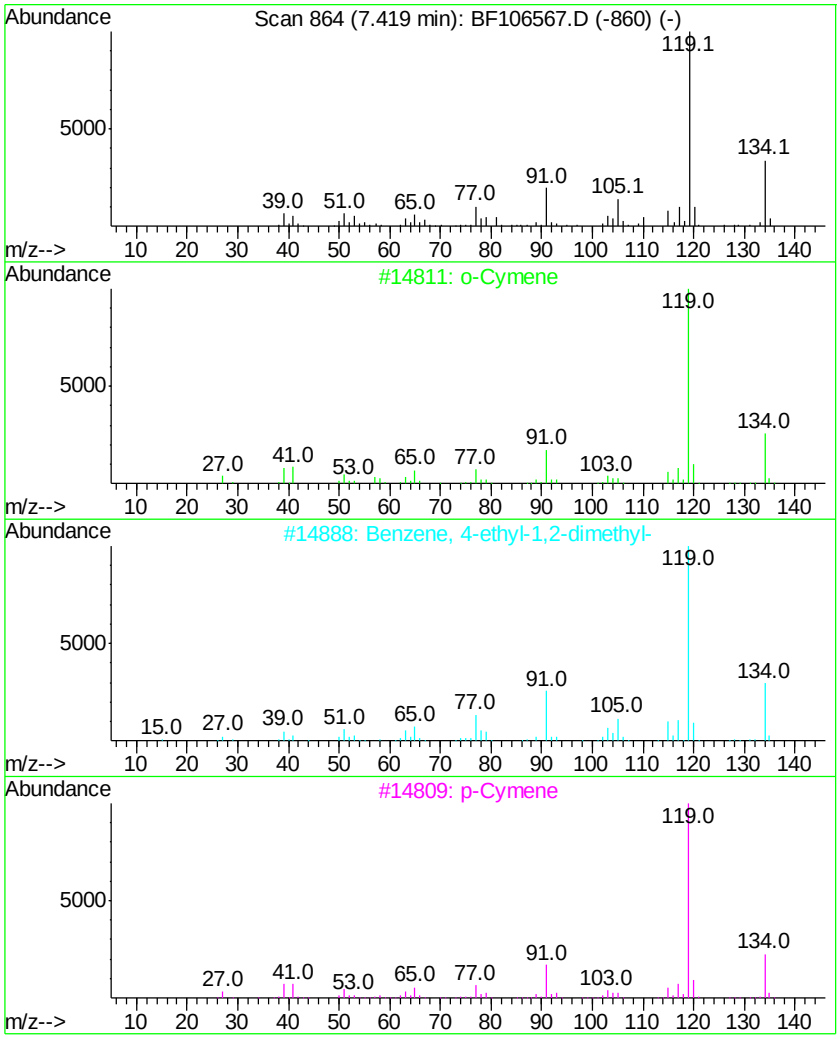
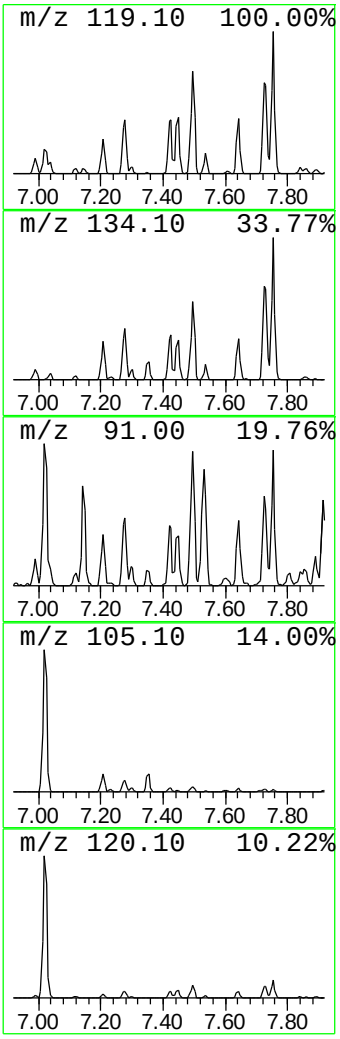
Peak Number 15 o-Cymene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.42 | 6.57 ng | 221036 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 94 |



Library Search Compound Report

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Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

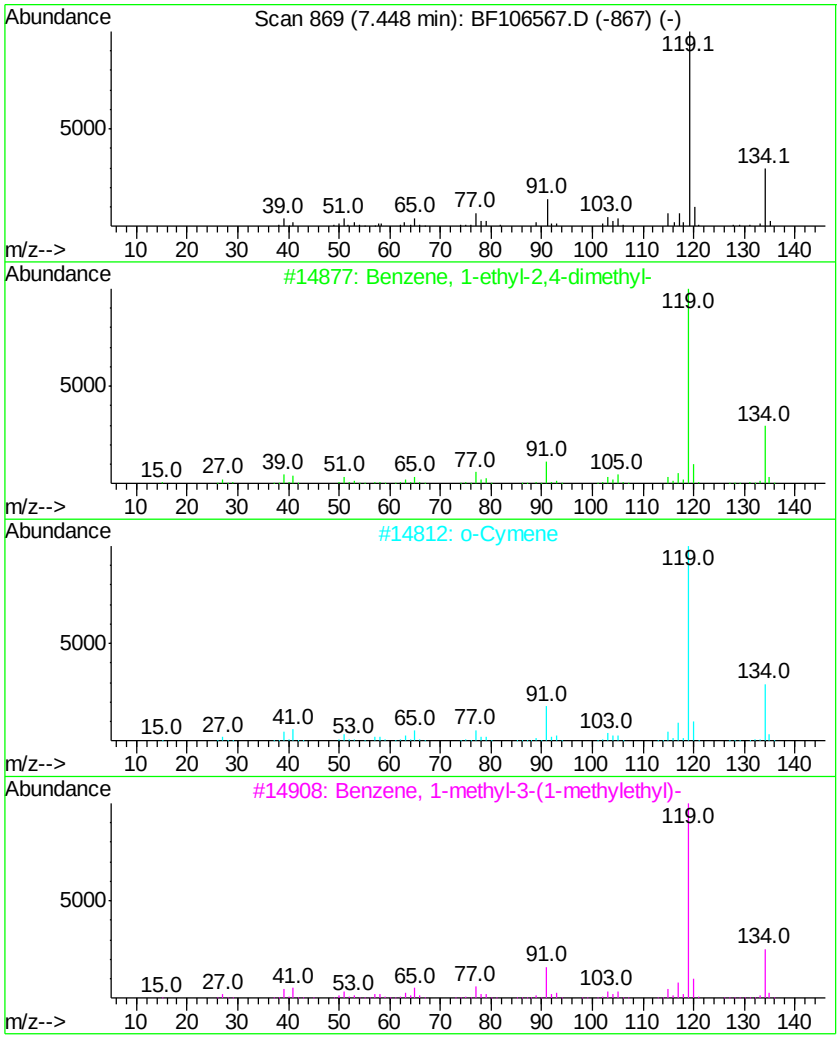
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

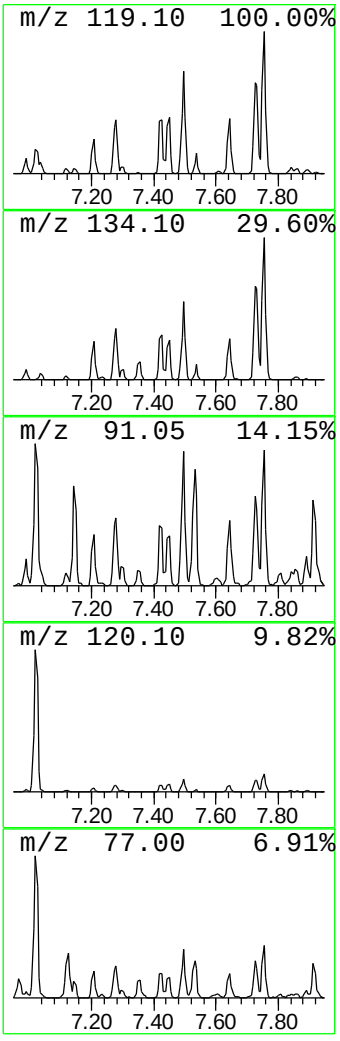
**********

Peak Number 16 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.45 | 4.27 ng | 143759 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 97 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 91 |



Library Search Compound Report

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Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

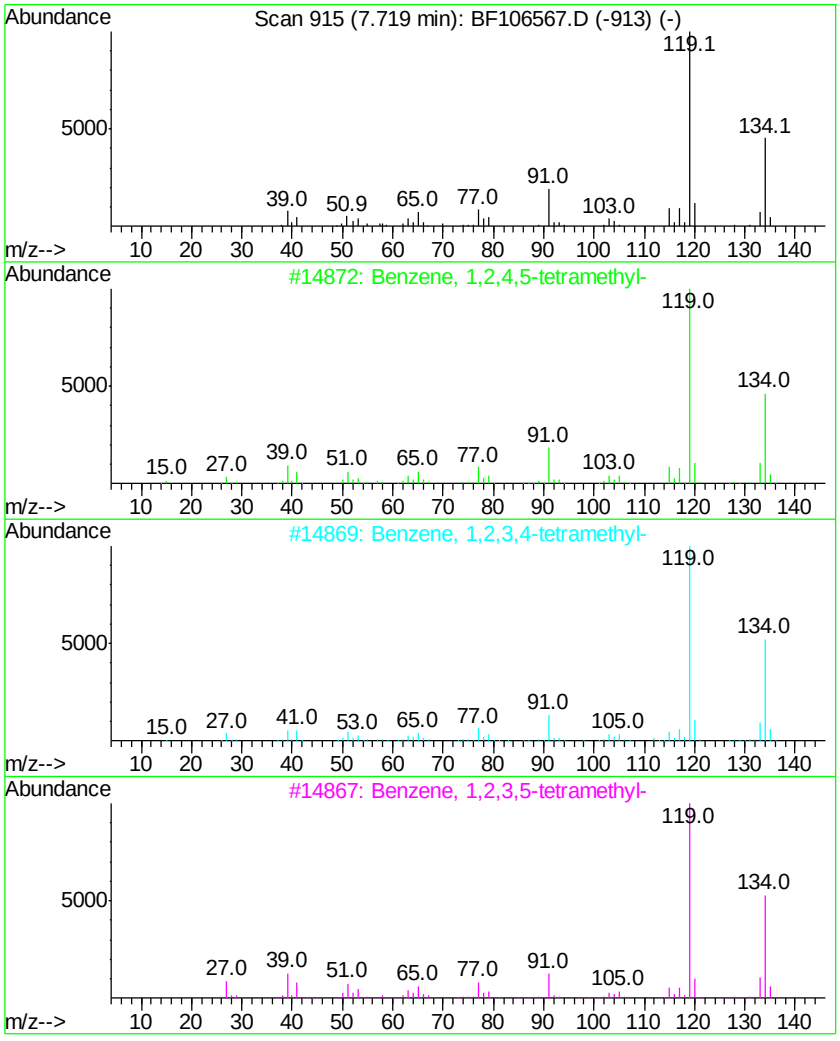
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

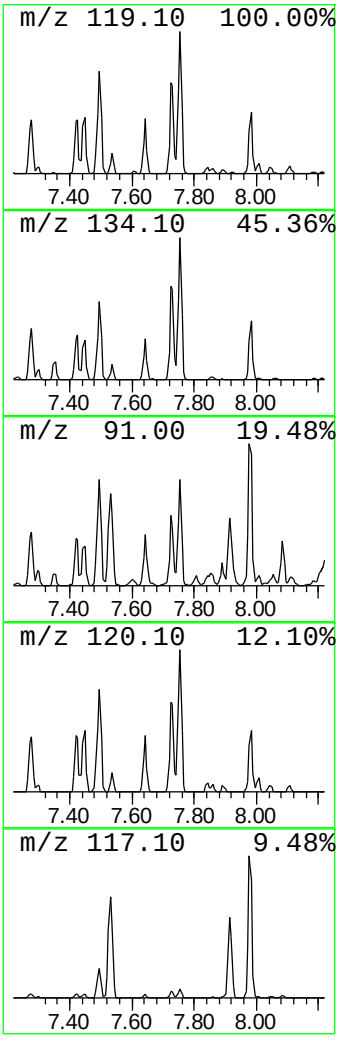
**********

Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.72 | 4.82 ng | 313281 | Naphthalene-d8 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |



Library Search Compound Report

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Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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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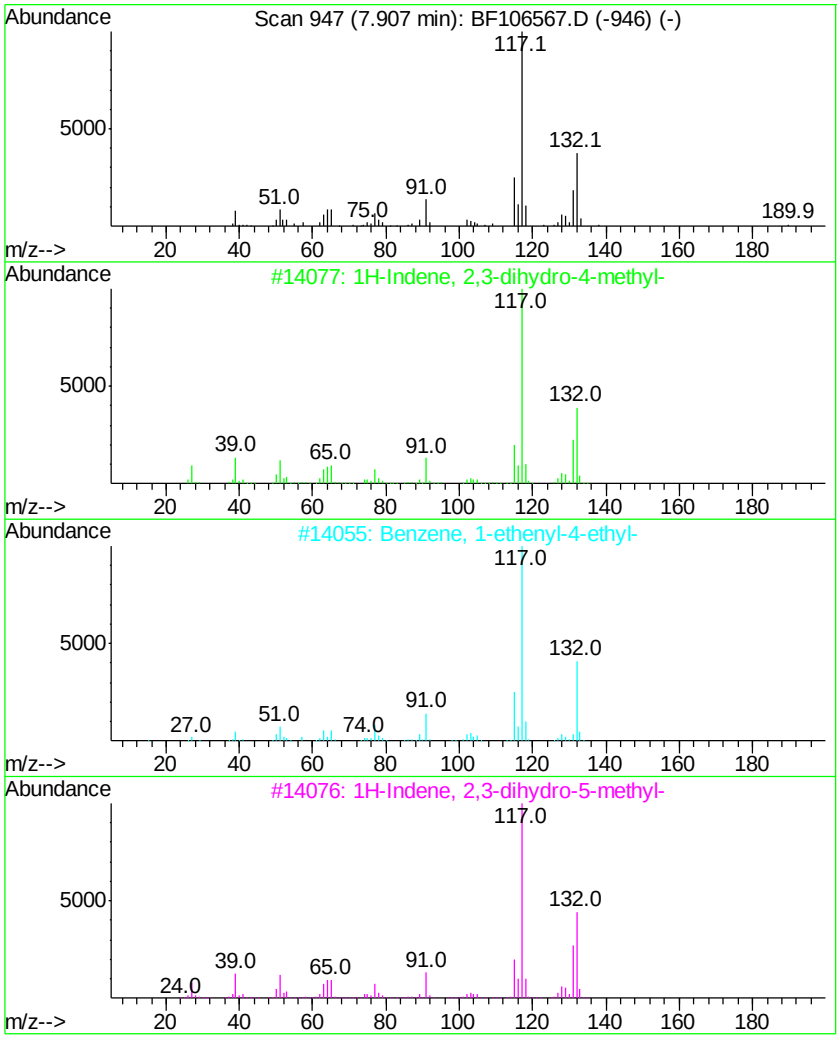
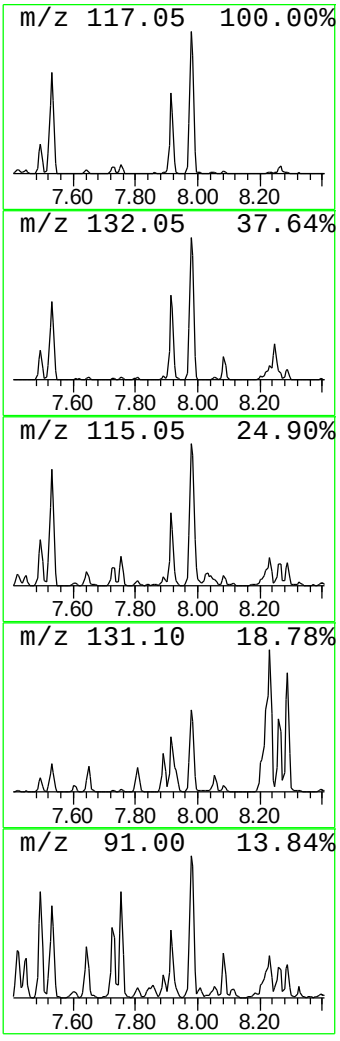
Peak Number 19 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.91 | 5.81 ng | 377145 | Naphthalene-d8 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 95 |
| 2 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 94 |
| 3 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 92 |
| 4 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 90 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 90 |



Library Search Compound Report

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Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
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Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

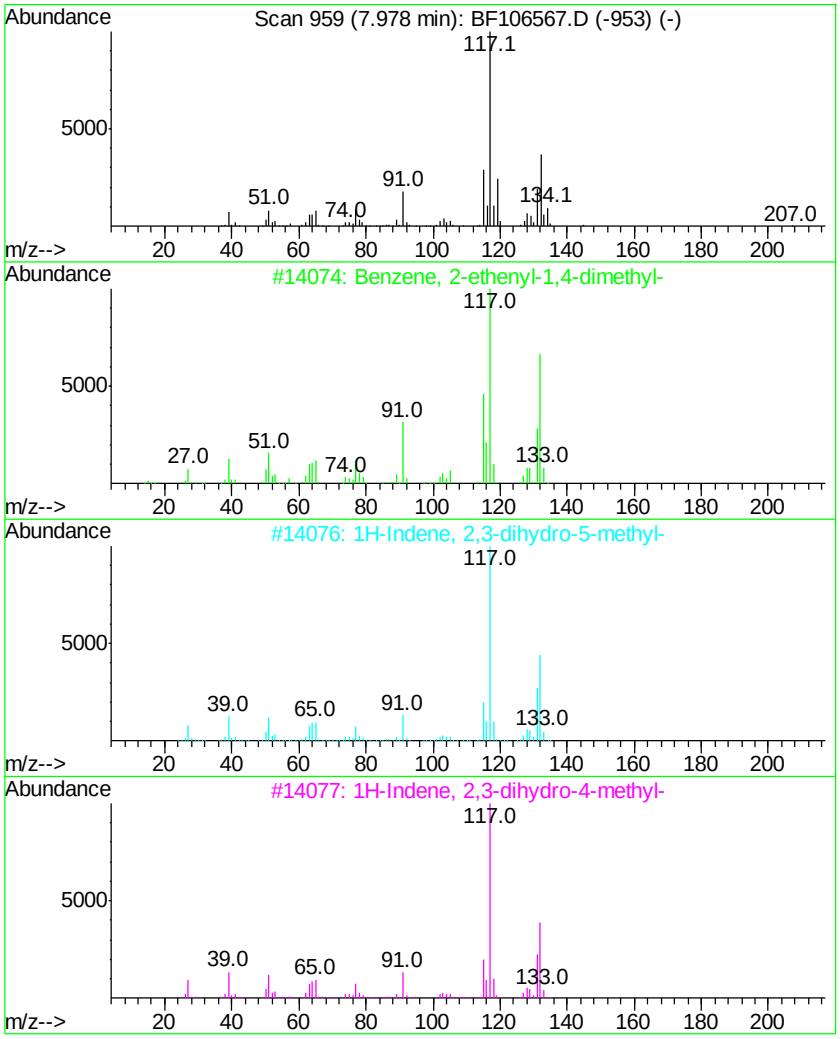
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

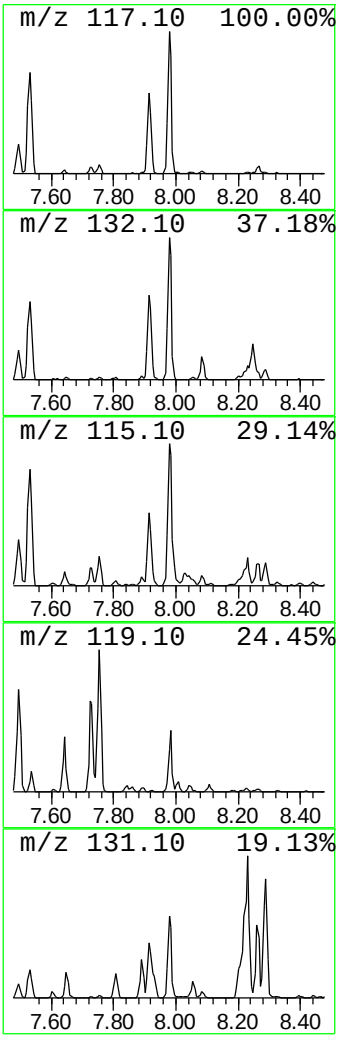
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.98 | 13.04 ng | 847010 | Naphthalene-d8 | 8.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 96 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 95 |
| 3 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 94 |
| 4 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 89 |
| 5 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 89 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061818\
Data File : BF106567.D
Acq On : 19 Jun 2018 5:04
Operator : JU/SJ
Sample : J3562-04
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 1,3-Pentadiene, 2... | 2.70 | 4.6 | ng | 154272 | 1 | 6.97 | 672799 | 20.0 |
| Cyclopropane, 1,1... | 2.93 | 6.4 | ng | 215885 | 1 | 6.97 | 672799 | 20.0 |
| Cyclohexane, methyl- | 3.23 | 4.9 | ng | 163691 | 1 | 6.97 | 672799 | 20.0 |
| unknown5.20 | 5.20 | 4.7 | ng | 156893 | 1 | 6.97 | 672799 | 20.0 |
| Cyclopentanol, 3-... | 5.26 | 4.8 | ng | 161830 | 1 | 6.97 | 672799 | 20.0 |
| 2-Hexen-1-ol, (Z)- | 5.77 | 6.5 | ng | 217457 | 1 | 6.97 | 672799 | 20.0 |
| Benzene, 1-ethyl-... | 6.52 | 11.9 | ng | 400187 | 1 | 6.97 | 672799 | 20.0 |
| unknown6.75 | 6.75 | 68.6 | ng | 2309170 | 1 | 6.97 | 672799 | 20.0 |
| Benzene, 1,2,3-tr... | 6.79 | 54.2 | ng | 1822120 | 1 | 6.97 | 672799 | 20.0 |
| Indane | 7.14 | 8.6 | ng | 290479 | 1 | 6.97 | 672799 | 20.0 |
| Benzene, 1,3-diet... | 7.21 | 4.8 | ng | 161807 | 1 | 6.97 | 672799 | 20.0 |
| o-Cymene | 7.42 | 6.6 | ng | 221036 | 1 | 6.97 | 672799 | 20.0 |
| Benzene, 1-ethyl-... | 7.45 | 4.3 | ng | 143759 | 1 | 6.97 | 672799 | 20.0 |
| Benzene, 1,2,4,5-... | 7.72 | 4.8 | ng | 313281 | 2 | 8.25 | 1298970 | 20.0 |
| 1H-Indene, 2,3-di... | 7.91 | 5.8 | ng | 377145 | 2 | 8.25 | 1298970 | 20.0 |
| Benzene, 2-etheny... | 7.98 | 13.0 | ng | 847010 | 2 | 8.25 | 1298970 | 20.0 |