LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

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-BF123115.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 | 5.024 | 254 | 257 | 261 | rBV | 763120 | 838079 | 7.11% | 0.533% |
| 2 | 5.459 | 293 | 295 | 297 | rBV | 5295101 | 4775680 | 40.50% | 3.039% |
| 3 | 5.859 | 327 | 330 | 334 | rBV3 | 93494 | 189223 | 1.60% | 0.120% |
| 4 | 6.007 | 341 | 343 | 345 | rBV | 1022730 | 1004702 | 8.52% | 0.639% |
| 5 | 6.304 | 367 | 369 | 371 | rVB | 1266251 | 1060538 | 8.99% | 0.675% |
| 6 | 6.350 | 371 | 373 | 378 | rVB4 | 50758 | 128888 | 1.09% | 0.082% |
| 7 | 6.453 | 378 | 382 | 383 | rBV | 168074 | 226239 | 1.92% | 0.144% |
| 8 | 6.499 | 383 | 386 | 388 | rBV | 2651335 | 3487557 | 29.57% | 2.219% |
| 9 | 6.625 | 394 | 397 | 399 | rBV | 8231415 | 7796336 | 66.11% | 4.961% |
| 10 | 6.693 | 401 | 403 | 405 | rBV2 | 134851 | 143183 | 1.21% | 0.091% |
| 11 | 6.807 | 409 | 413 | 415 | rBV2 | 903138 | 1137679 | 9.65% | 0.724% |
| 12 | 6.853 | 415 | 417 | 419 | rBV | 2714873 | 2376486 | 20.15% | 1.512% |
| 13 | 7.013 | 428 | 431 | 432 | rBV | 8078736 | 8358343 | 70.88% | 5.318% |
| 14 | 7.036 | 432 | 433 | 435 | rVV | 2127398 | 1574208 | 13.35% | 1.002% |
| 15 | 7.105 | 437 | 439 | 441 | rVV | 1675116 | 1367327 | 11.59% | 0.870% |
| 16 | 7.196 | 444 | 447 | 449 | rVB2 | 955819 | 1567639 | 13.29% | 0.997% |
| 17 | 7.253 | 449 | 452 | 454 | rBV2 | 167886 | 286060 | 2.43% | 0.182% |
| 18 | 7.425 | 459 | 467 | 470 | rBV2 | 7398278 | 10761606 | 91.26% | 6.848% |
| 19 | 7.505 | 472 | 474 | 476 | rBV2 | 658961 | 781672 | 6.63% | 0.497% |
| 20 | 7.550 | 476 | 478 | 481 | rVB3 | 392893 | 586631 | 4.97% | 0.373% |
| 21 | 7.630 | 481 | 485 | 487 | rVB | 2497718 | 2428137 | 20.59% | 1.545% |
| 22 | 7.676 | 487 | 489 | 490 | rBV2 | 118837 | 180819 | 1.53% | 0.115% |
| 23 | 7.710 | 490 | 492 | 494 | rBV2 | 134277 | 240794 | 2.04% | 0.153% |
| 24 | 7.745 | 494 | 495 | 496 | rVB | 449536 | 308157 | 2.61% | 0.196% |
| 25 | 7.790 | 496 | 499 | 504 | rBV3 | 950964 | 2009662 | 17.04% | 1.279% |
| 26 | 7.882 | 504 | 507 | 509 | rBV | 2267841 | 2273443 | 19.28% | 1.447% |
| 27 | 7.916 | 509 | 510 | 511 | rVB | 215106 | 147455 | 1.25% | 0.094% |
| 28 | 7.950 | 511 | 513 | 517 | rVB4 | 343572 | 672666 | 5.70% | 0.428% |
| 29 | 8.008 | 517 | 518 | 521 | rBV | 409331 | 433554 | 3.68% | 0.276% |
| 30 | 8.076 | 521 | 524 | 527 | rBV2 | 1101705 | 1894452 | 16.06% | 1.205% |
| 31 | 8.145 | 527 | 530 | 533 | rBV2 | 2707339 | 4600170 | 39.01% | 2.927% |
| 32 | 8.190 | 533 | 534 | 536 | rVB | 894120 | 653431 | 5.54% | 0.416% |
| 33 | 8.236 | 536 | 538 | 539 | rBV2 | 180271 | 282123 | 2.39% | 0.180% |
| 34 | 8.270 | 539 | 541 | 542 | rVB2 | 587824 | 678249 | 5.75% | 0.432% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 8.293 | 542 | 543 | 544 | rBV | 249585 | 239512 | 2.03% | 0.152% |
| 36 | 8.339 | 545 | 547 | 548 | rBV | 428832 | 327230 | 2.77% | 0.208% |
| 37 | 8.385 | 548 | 551 | 553 | rBV2 | 1383597 | 1847010 | 15.66% | 1.175% |
| 38 | 8.522 | 559 | 563 | 565 | rBV3 | 844550 | 1249779 | 10.60% | 0.795% |
| 39 | 8.556 | 565 | 566 | 568 | rVV | 522445 | 628000 | 5.33% | 0.400% |
| 40 | 8.613 | 569 | 571 | 573 | rVB2 | 495984 | 581759 | 4.93% | 0.370% |
| 41 | 8.648 | 573 | 574 | 575 | rBV | 196582 | 143457 | 1.22% | 0.091% |
| 42 | 8.705 | 577 | 579 | 580 | rBV2 | 235826 | 227641 | 1.93% | 0.145% |
| 43 | 8.808 | 586 | 588 | 589 | rBV2 | 551855 | 724126 | 6.14% | 0.461% |
| 44 | 8.842 | 589 | 591 | 593 | rVV3 | 350572 | 585281 | 4.96% | 0.372% |
| 45 | 8.888 | 593 | 595 | 597 | rVV2 | 380005 | 554199 | 4.70% | 0.353% |
| 46 | 8.956 | 597 | 601 | 603 | rVV | 4654598 | 6037413 | 51.20% | 3.842% |
| 47 | 9.036 | 606 | 608 | 610 | rVV2 | 667397 | 1062609 | 9.01% | 0.676% |
| 48 | 9.082 | 610 | 612 | 614 | rVV2 | 342746 | 614101 | 5.21% | 0.391% |
| 49 | 9.139 | 614 | 617 | 619 | rVV2 | 677541 | 1212268 | 10.28% | 0.771% |
| 50 | 9.173 | 619 | 620 | 622 | rVV2 | 345507 | 406436 | 3.45% | 0.259% |
| 51 | 9.219 | 622 | 624 | 626 | rVV | 8912074 | 9599609 | 81.40% | 6.108% |
| 52 | 9.253 | 626 | 627 | 630 | rVB3 | 194140 | 314255 | 2.66% | 0.200% |
| 53 | 9.345 | 630 | 635 | 637 | rBV6 | 559897 | 1735954 | 14.72% | 1.105% |
| 54 | 9.425 | 640 | 642 | 645 | rVB3 | 438562 | 697690 | 5.92% | 0.444% |
| 55 | 9.482 | 645 | 647 | 649 | rBV2 | 616660 | 1233054 | 10.46% | 0.785% |
| 56 | 9.573 | 651 | 655 | 658 | rVV3 | 1785466 | 4177627 | 35.43% | 2.658% |
| 57 | 9.676 | 661 | 664 | 668 | rVB4 | 424066 | 1085772 | 9.21% | 0.691% |
| 58 | 9.756 | 668 | 671 | 672 | rBV2 | 437285 | 501542 | 4.25% | 0.319% |
| 59 | 9.802 | 672 | 675 | 676 | rVB2 | 472080 | 724177 | 6.14% | 0.461% |
| 60 | 9.859 | 677 | 680 | 681 | rBV2 | 545455 | 908388 | 7.70% | 0.578% |
| 61 | 9.893 | 681 | 683 | 685 | rVB | 3377574 | 3159018 | 26.79% | 2.010% |
| 62 | 9.939 | 685 | 687 | 689 | rVB3 | 1418356 | 1932580 | 16.39% | 1.230% |
| 63 | 9.985 | 689 | 691 | 694 | rBV3 | 656859 | 870865 | 7.38% | 0.554% |
| 64 | 10.053 | 694 | 697 | 703 | rVB4 | 1073746 | 2808955 | 23.82% | 1.787% |
| 65 | 10.145 | 703 | 705 | 707 | rBV2 | 225924 | 363316 | 3.08% | 0.231% |
| 66 | 10.179 | 707 | 708 | 710 | rBV2 | 597322 | 794615 | 6.74% | 0.506% |
| 67 | 10.225 | 710 | 712 | 713 | rBV | 916611 | 1112087 | 9.43% | 0.708% |
| 68 | 10.248 | 713 | 714 | 716 | rVV | 942713 | 1653797 | 14.02% | 1.052% |
| 69 | 10.282 | 716 | 717 | 719 | rVB | 1573005 | 1319245 | 11.19% | 0.839% |
| 70 | 10.351 | 719 | 723 | 725 | rBV3 | 800769 | 1175092 | 9.96% | 0.748% |
| 71 | 10.419 | 727 | 729 | 734 | rBV2 | 1450661 | 3979660 | 33.75% | 2.532% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.602 | 744 | 745 | 747 | rBV2 | 351056 | 461151 | 3.91% | 0.293% |
| 73 | 10.648 | 747 | 749 | 750 | rVV | 712942 | 972461 | 8.25% | 0.619% |
| 74 | 10.693 | 750 | 753 | 756 | rVV | 7662081 | 11792546 | 100.00% | 7.504% |
| 75 | 10.773 | 756 | 760 | 761 | rVV3 | 1066564 | 2153688 | 18.26% | 1.370% |
| 76 | 10.819 | 762 | 764 | 767 | rVB2 | 1883987 | 2685030 | 22.77% | 1.708% |
| 77 | 10.876 | 767 | 769 | 770 | rBV | 331850 | 396534 | 3.36% | 0.252% |
| 78 | 11.048 | 782 | 784 | 786 | rVB2 | 415530 | 507214 | 4.30% | 0.323% |
| 79 | 11.105 | 786 | 789 | 795 | rVB6 | 441119 | 1293400 | 10.97% | 0.823% |
| 80 | 11.379 | 811 | 813 | 815 | rBV | 2921652 | 2572703 | 21.82% | 1.637% |
| 81 | 11.859 | 852 | 855 | 858 | rVB | 680856 | 864273 | 7.33% | 0.550% |
| 82 | 11.928 | 858 | 861 | 862 | rBV | 243282 | 326575 | 2.77% | 0.208% |
| 83 | 12.751 | 932 | 933 | 935 | rVB | 128599 | 122862 | 1.04% | 0.078% |
| 84 | 12.968 | 949 | 952 | 954 | rBV | 7677600 | 7386237 | 62.63% | 4.700% |
| 85 | 13.871 | 1029 | 1031 | 1036 | rBV | 185983 | 225952 | 1.92% | 0.144% |
| 86 | 14.008 | 1041 | 1043 | 1046 | rBV | 1421342 | 1899310 | 16.11% | 1.209% |
| 87 | 15.437 | 1165 | 1168 | 1171 | rBV | 1254967 | 1659543 | 14.07% | 1.056% |

Sum of corrected areas: 157158786

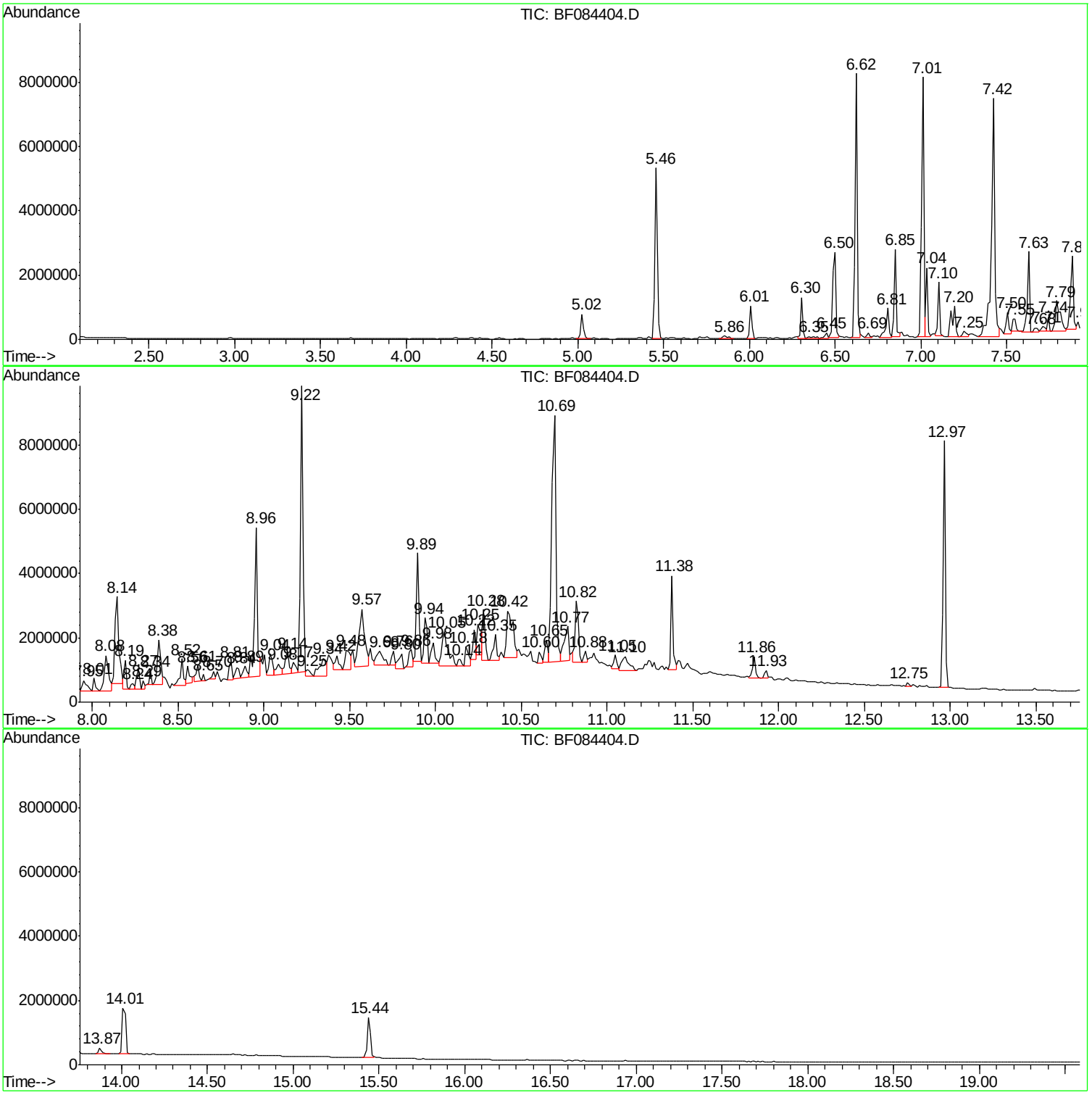
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

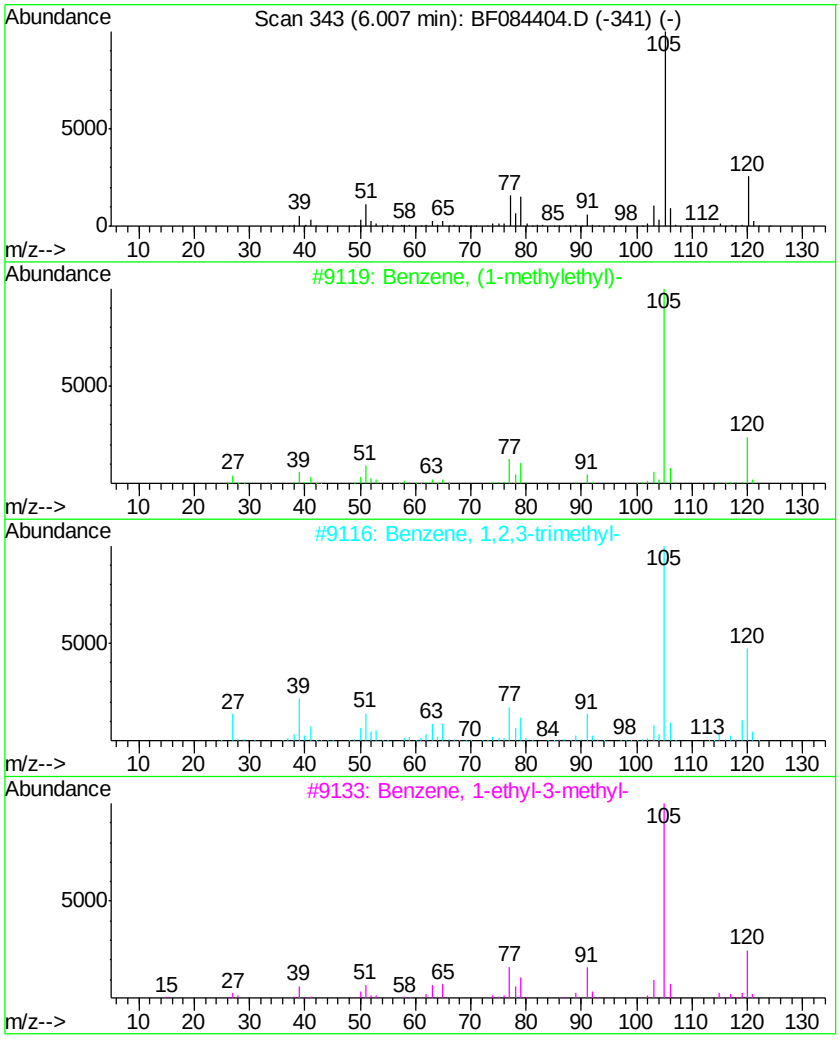
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

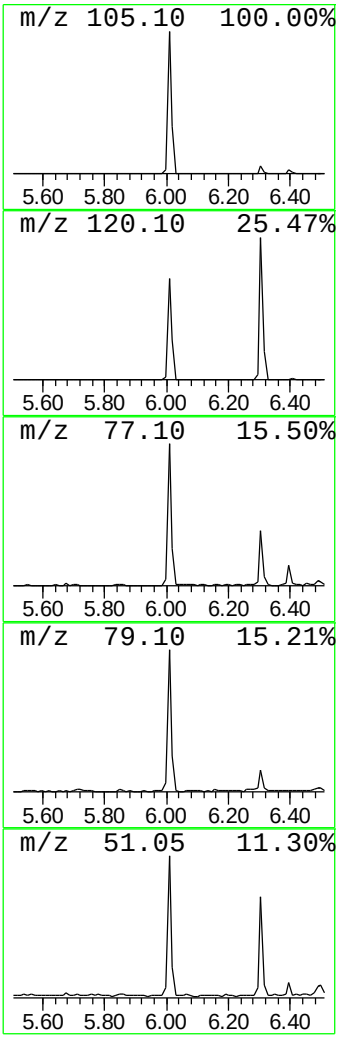
**********

Peak Number 1 Benzene, (1-methylethyl)- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.01 | 8.46 ng | 1004700 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 94 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 83 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 80 |
| 5 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 80 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

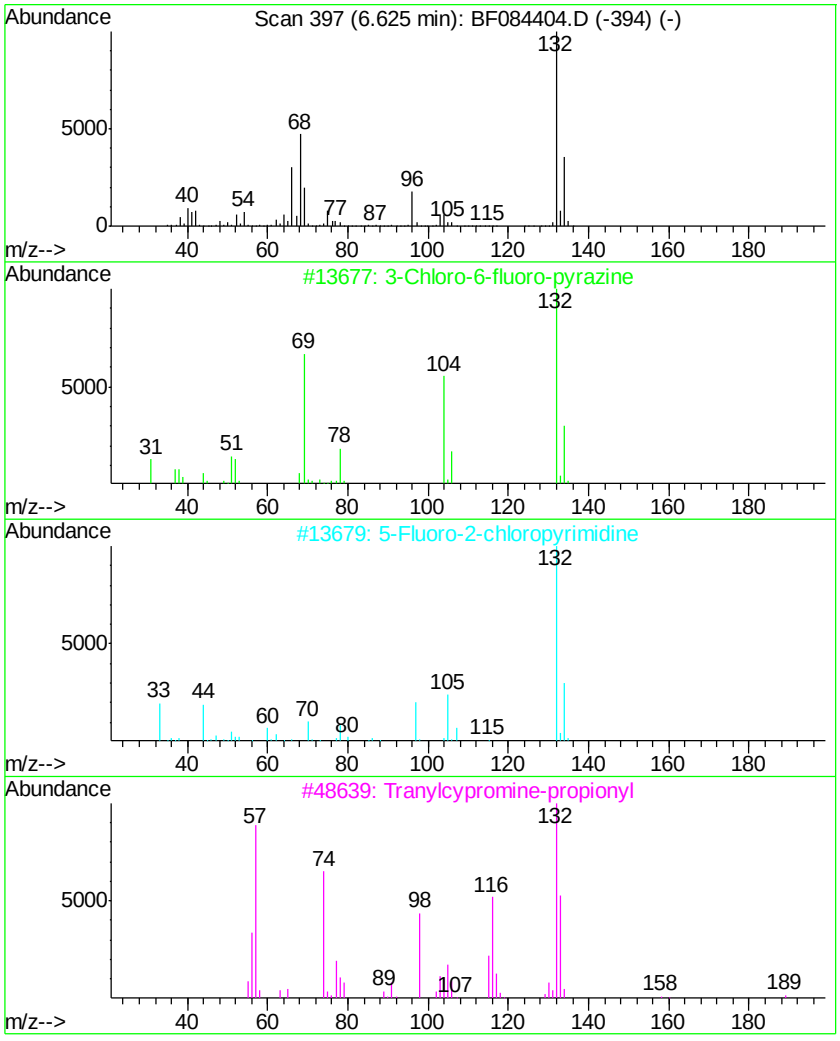
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

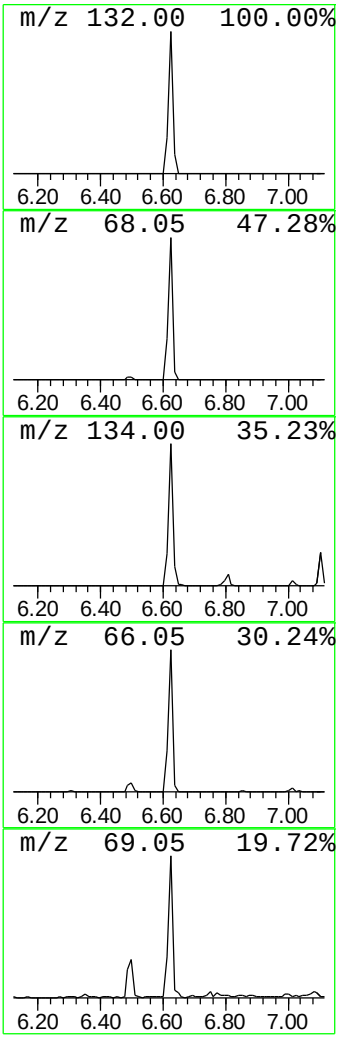
**********

Peak Number 3 unknown6.62 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.62 | 65.61 ng | 7796340 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2 | 1000241-93-9 | 10 |
| 5 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

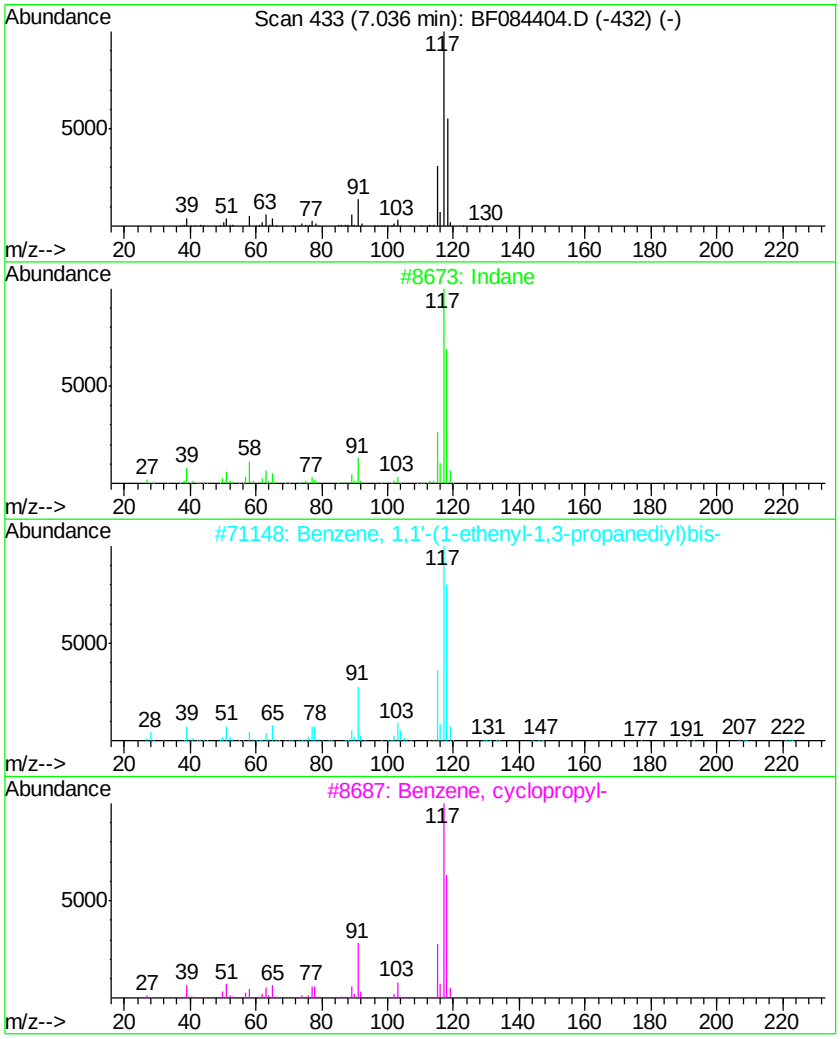
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

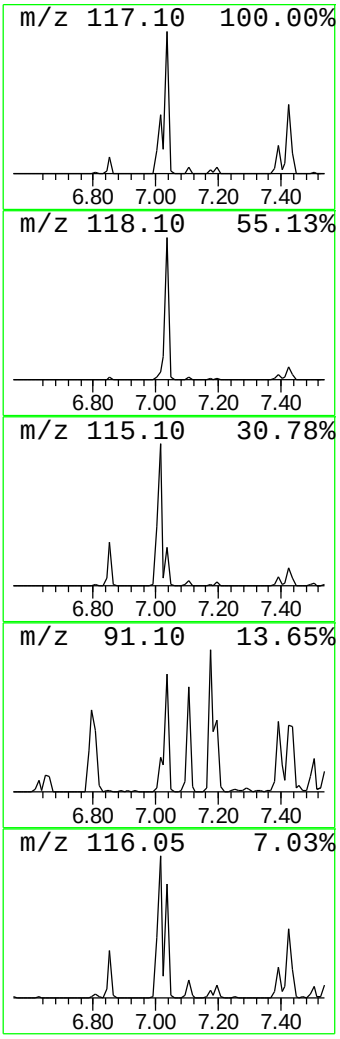
**********

Peak Number 5 Indane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.04 | 13.25 ng | 1574210 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 80 |
| 2 | Benzene, 1,1'-(1-ethenyl-1,3-pro... | 222 | C17H18 | 061141-97-7 | 74 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 72 |
| 4 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 64 |
| 5 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 59 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

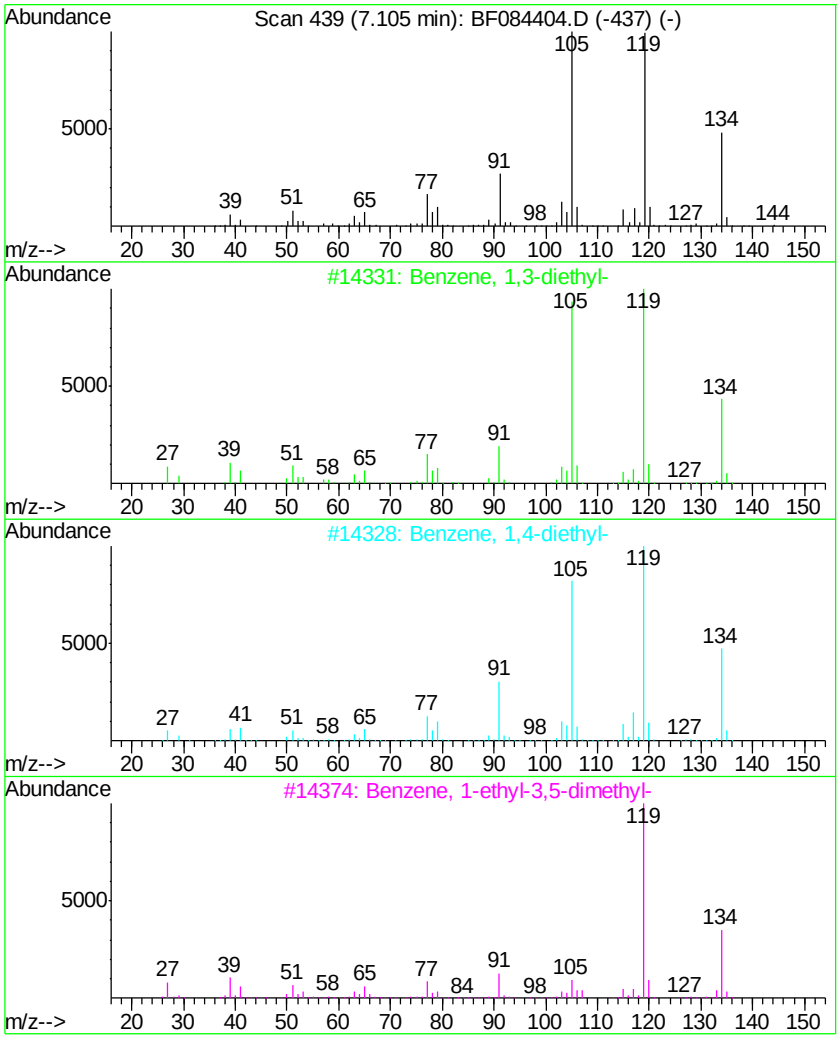
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

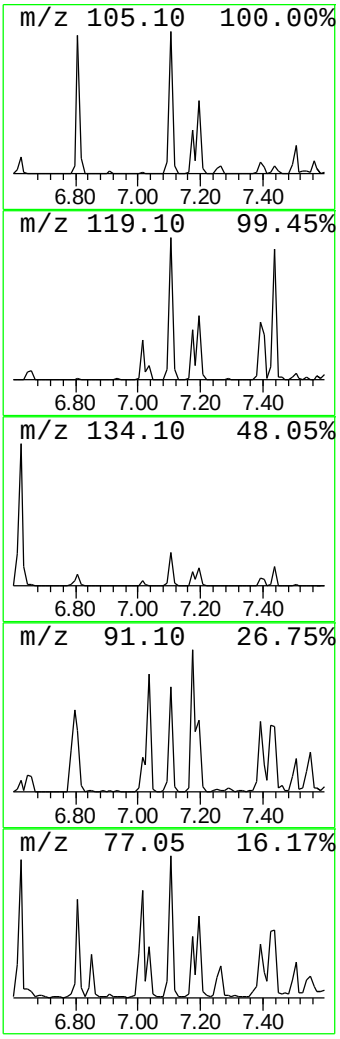
**********

Peak Number 6 Benzene, 1,3-diethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.10 | 11.51 ng | 1367330 | 1,4-Dichlorobenzene-d4 | 6.85 |

| 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 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 83 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

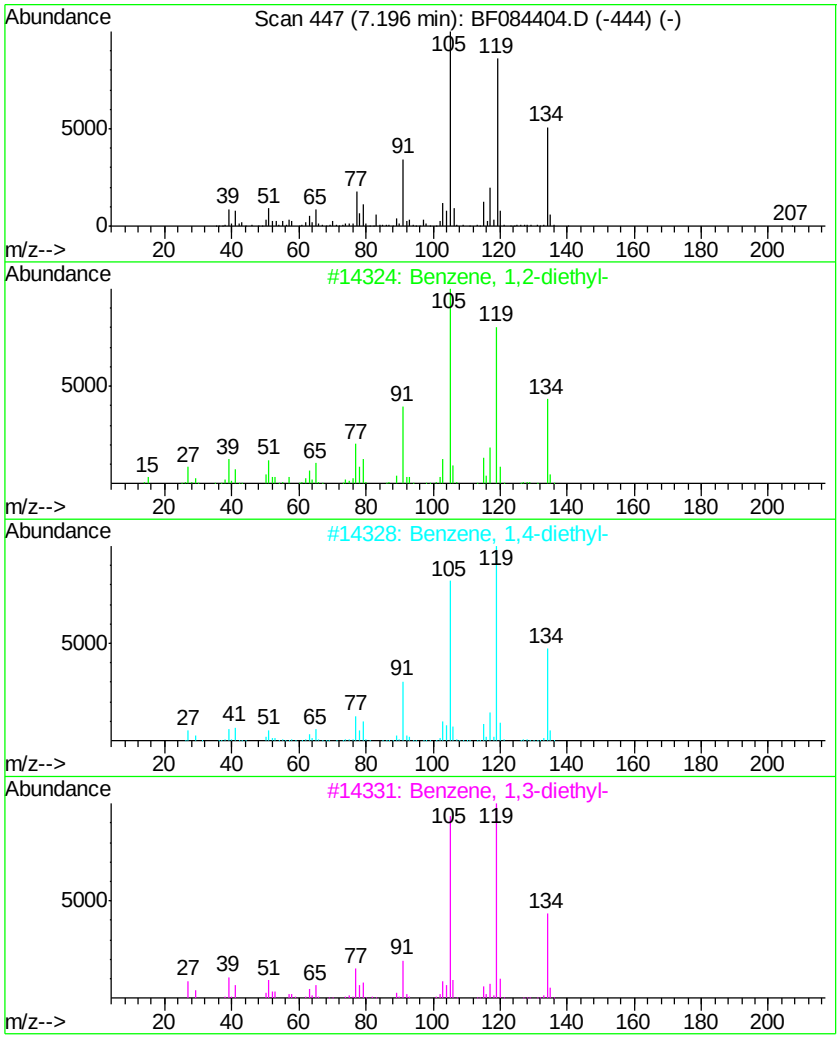
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

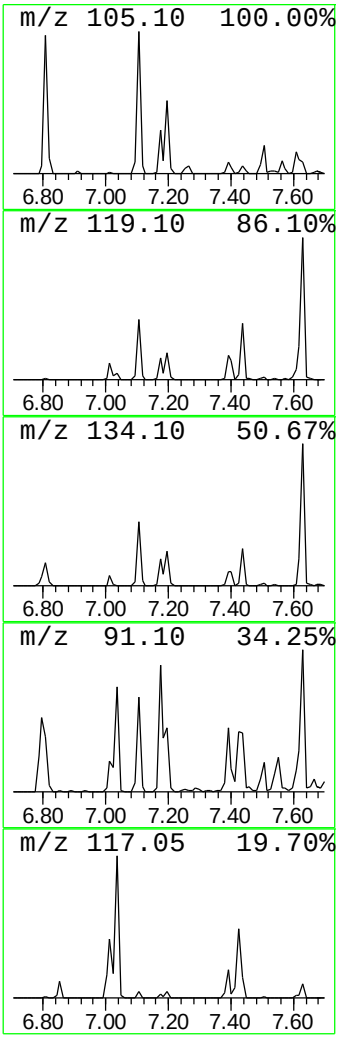
**********

Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.20 | 13.19 ng | 1567640 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 97 |
| 2 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 94 |
| 3 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 93 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 87 |
| 5 | 1,3,8-p-Menthatriene | 134 | C10H14 | 021195-59-5 | 80 |



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Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

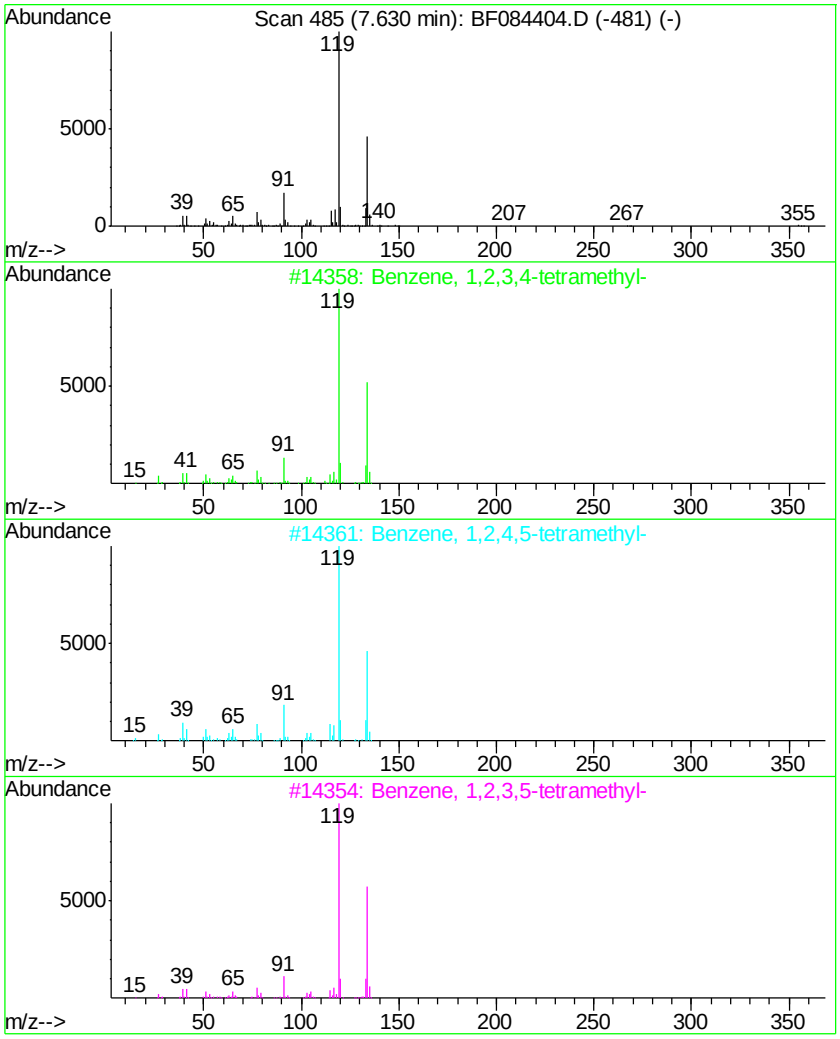
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

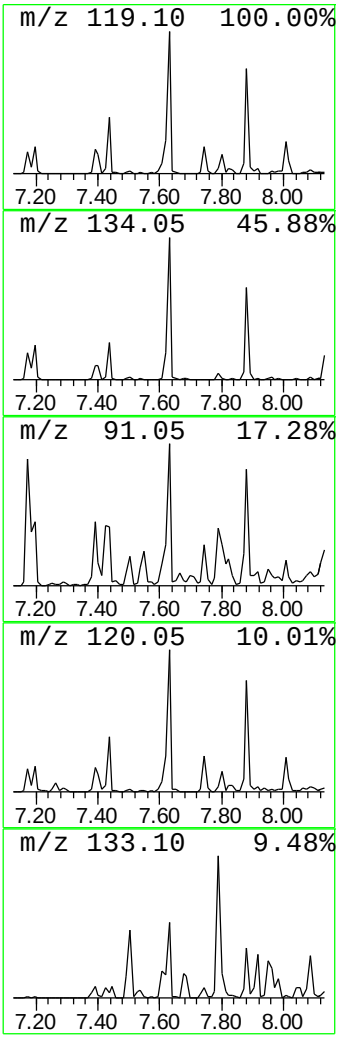
**********

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.63 | 10.56 ng | 2428140 | Naphthalene-d8 | 8.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |



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Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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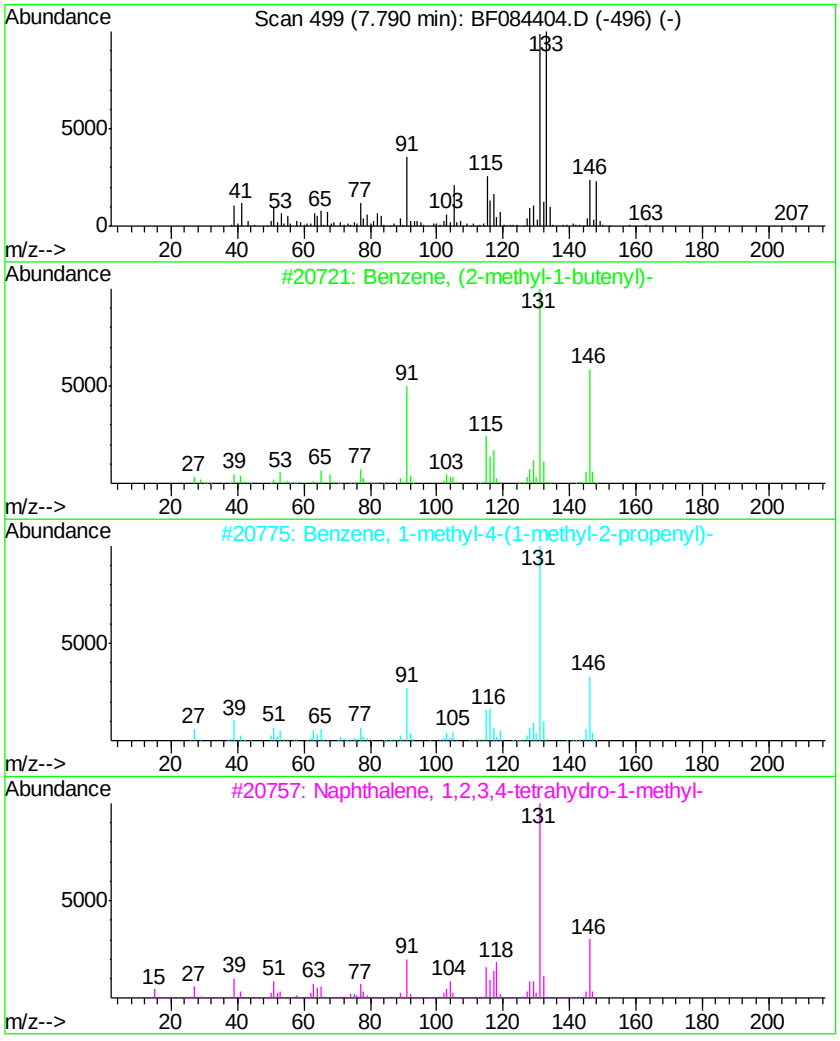
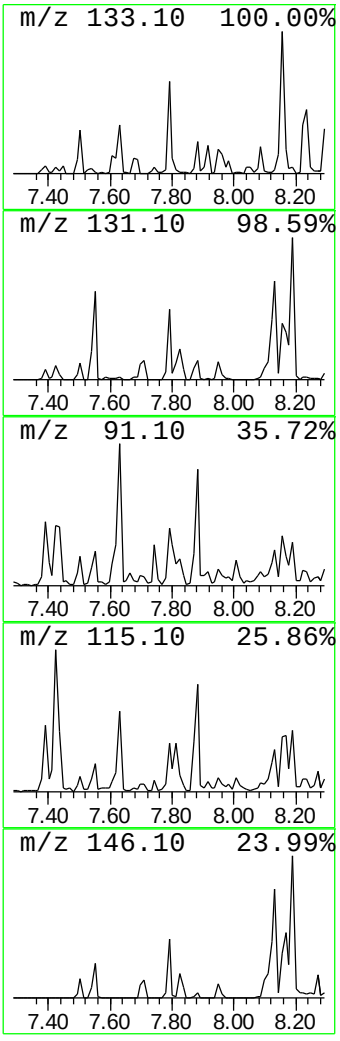
Peak Number 9 Benzene, (2-methyl-1-butenyl)- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.79 | 8.74 ng | 2009660 | Naphthalene-d8 | 8.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 95 |
| 2 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 87 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 70 |
| 4 | 1H-Indene,2,3-dihydro-2,2-dimethyl- | 146 | C11H14 | 020836-11-7 | 55 |
| 5 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 55 |



# Library Search Compound Report

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Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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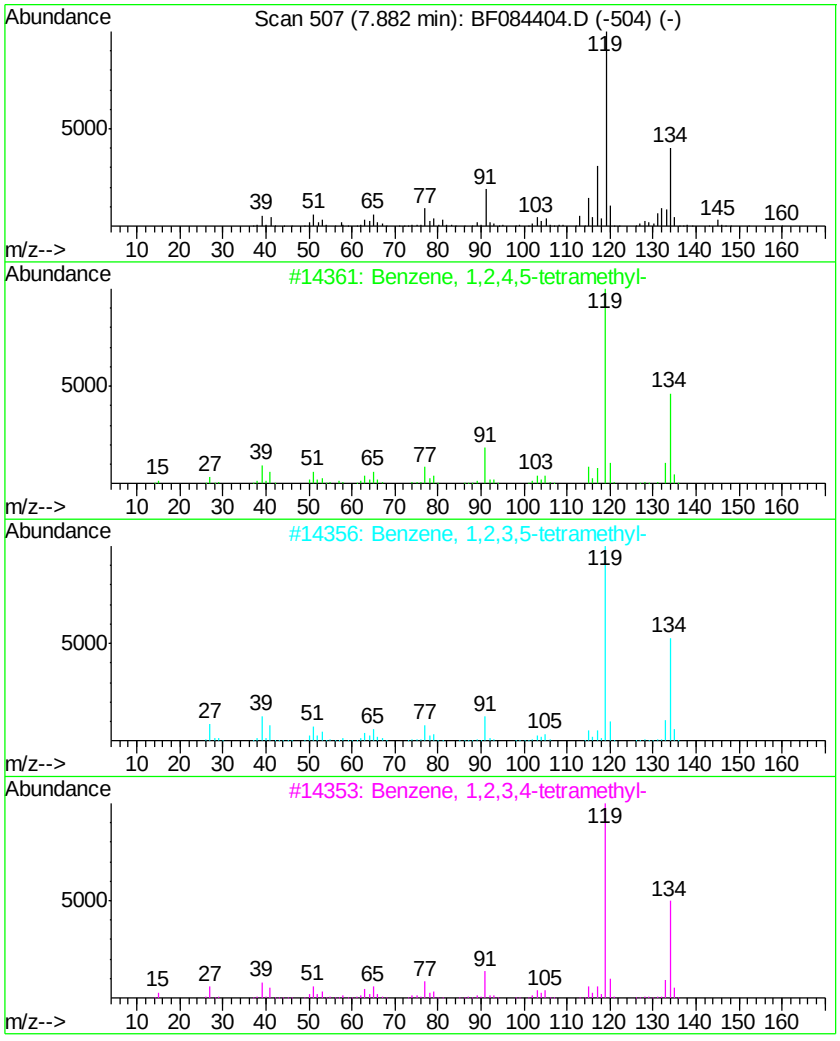
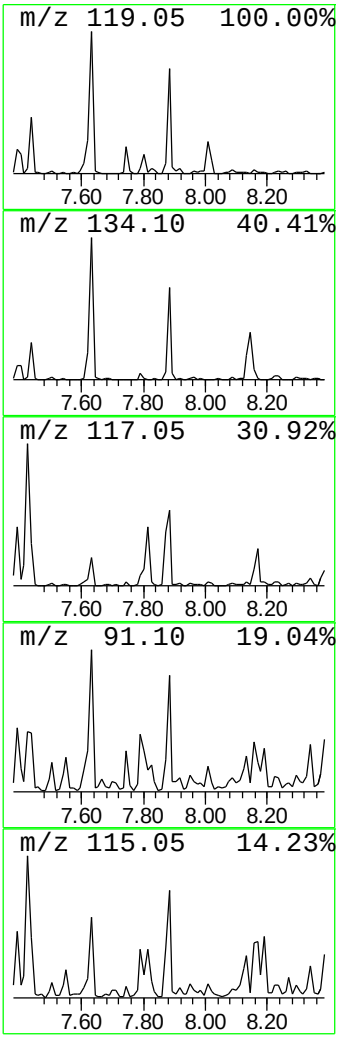
Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.88 | 9.88 ng | 2273440 | Naphthalene-d8 | 8.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 93 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 81 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 81 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 81 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 81 |



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Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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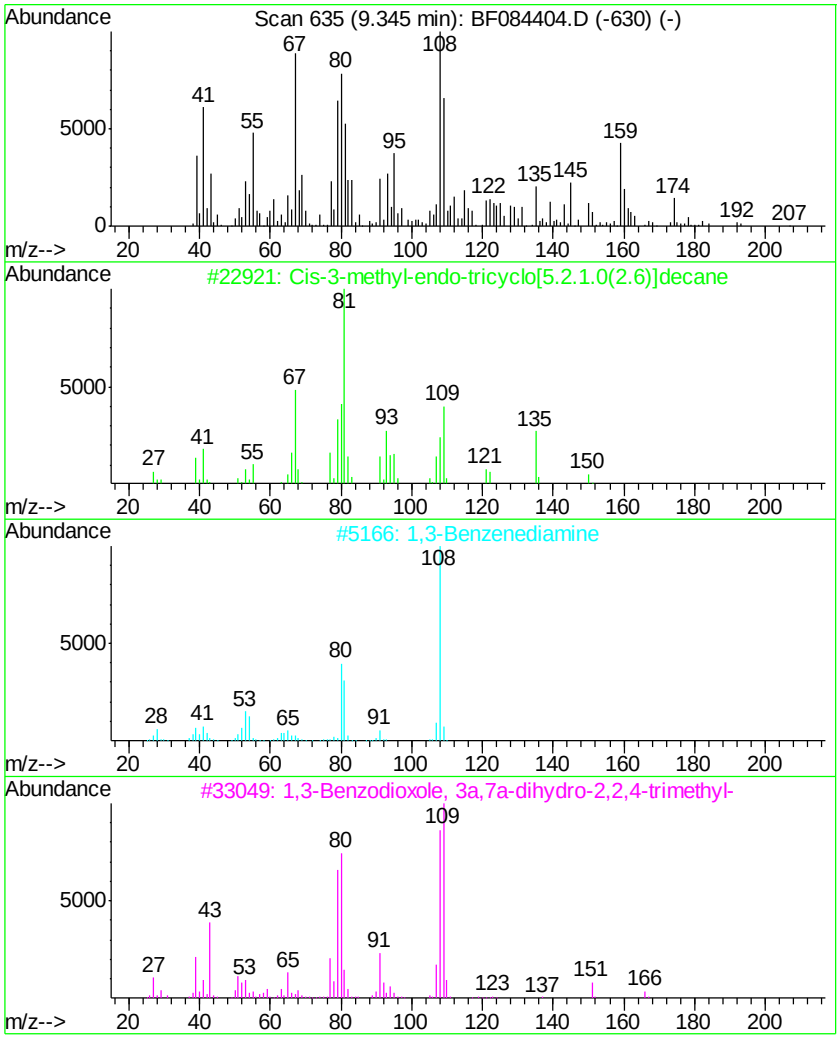
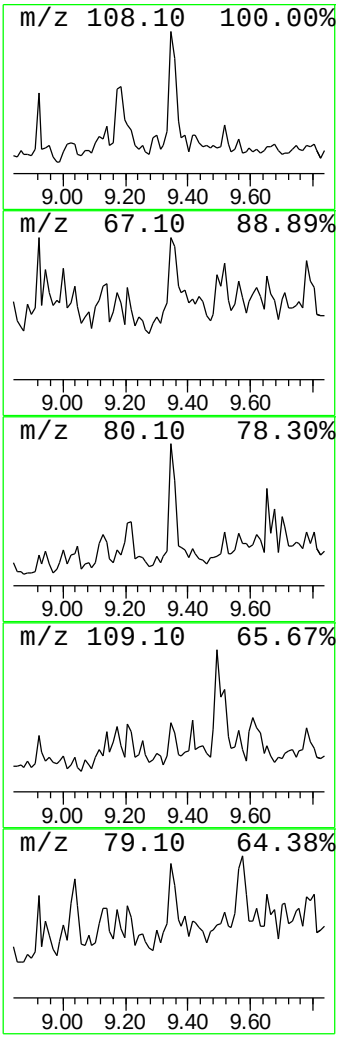
Peak Number 12 Cis-3-methyl-endo-tricyclo[... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.34 | 10.99 ng | 1735950 | Acenaphthene-d10 | 9.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cis-3-methyl-endo-tricyclo[5.2.1... | 150 | C11H18 | 1000215-29-0 | 72 |
| 2 | 1,3-Benzenediamine | 108 | C6H8N2 | 000108-45-2 | 60 |
| 3 | 1,3-Benzodioxole, 3a,7a-dihydro-... | 166 | C10H14O2 | 135502-40-8 | 58 |
| 4 | 11-Methylene-tricyclo[5.3.1.1(2,... | 176 | C13H20 | 1000193-95-2 | 53 |
| 5 | cis-Bicyclo[4.3.0]-3-nonene | 122 | C9H14 | 085236-78-8 | 52 |



# Library Search Compound Report

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Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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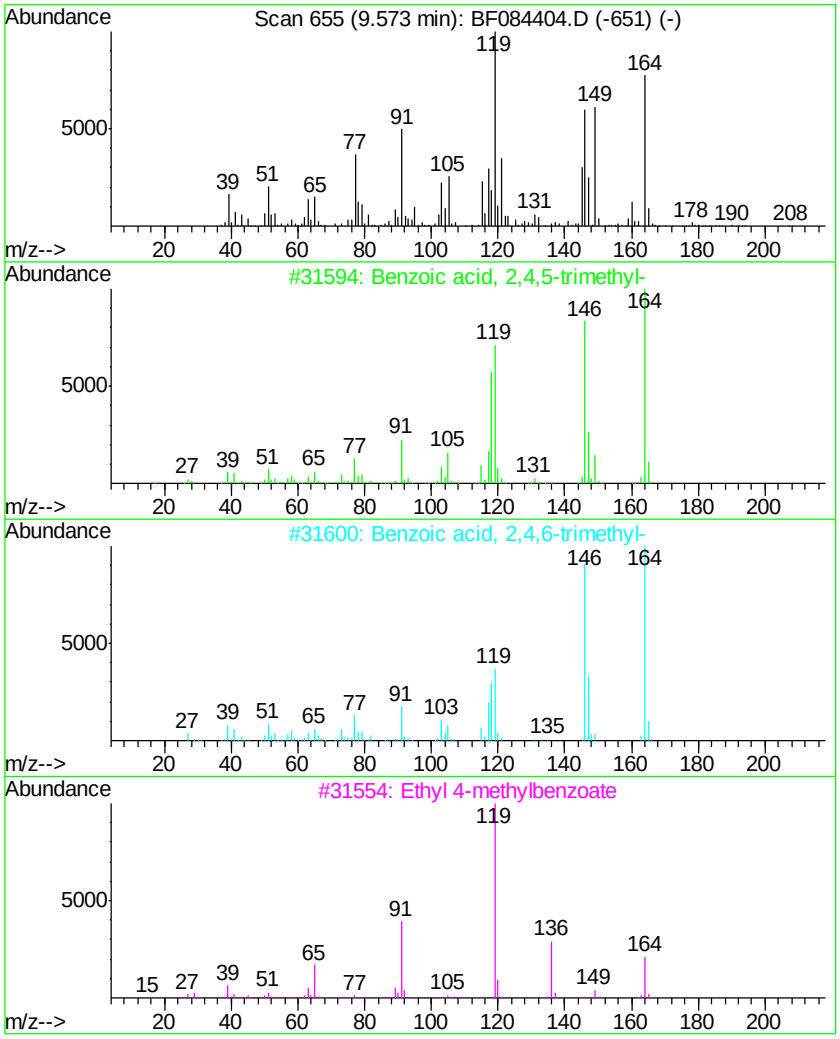
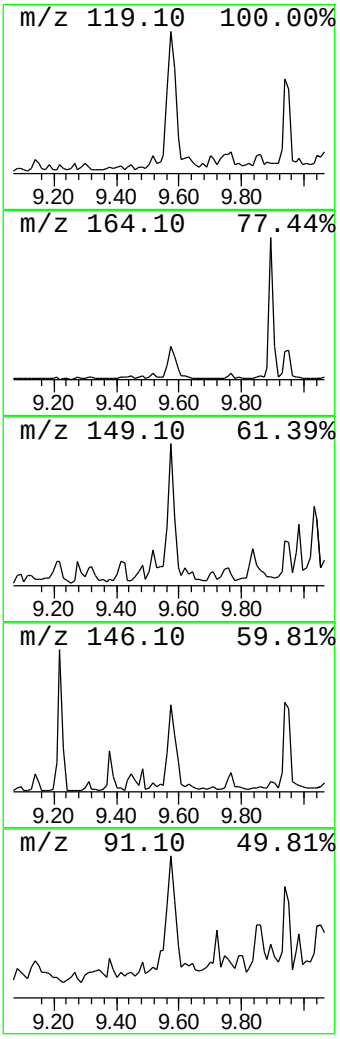
Peak Number 13 Benzoic acid, 2,4,5-trimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.57 | 26.45 ng | 4177630 | Acenaphthene-d10 | 9.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, 2,4,5-trimethyl- | 164 | C10H12O2 | 000528-90-5 | 68 |
| 2 | Benzoic acid, 2,4,6-trimethyl- | 164 | C10H12O2 | 000480-63-7 | 58 |
| 3 | Ethyl 4-methylbenzoate | 164 | C10H12O2 | 000094-08-6 | 45 |
| 4 | Acetic acid, (2,4-xylyl)- | 164 | C10H12O2 | 006331-04-0 | 43 |
| 5 | Ethyl o-methylbenzoate | 164 | C10H12O2 | 000087-24-1 | 43 |



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Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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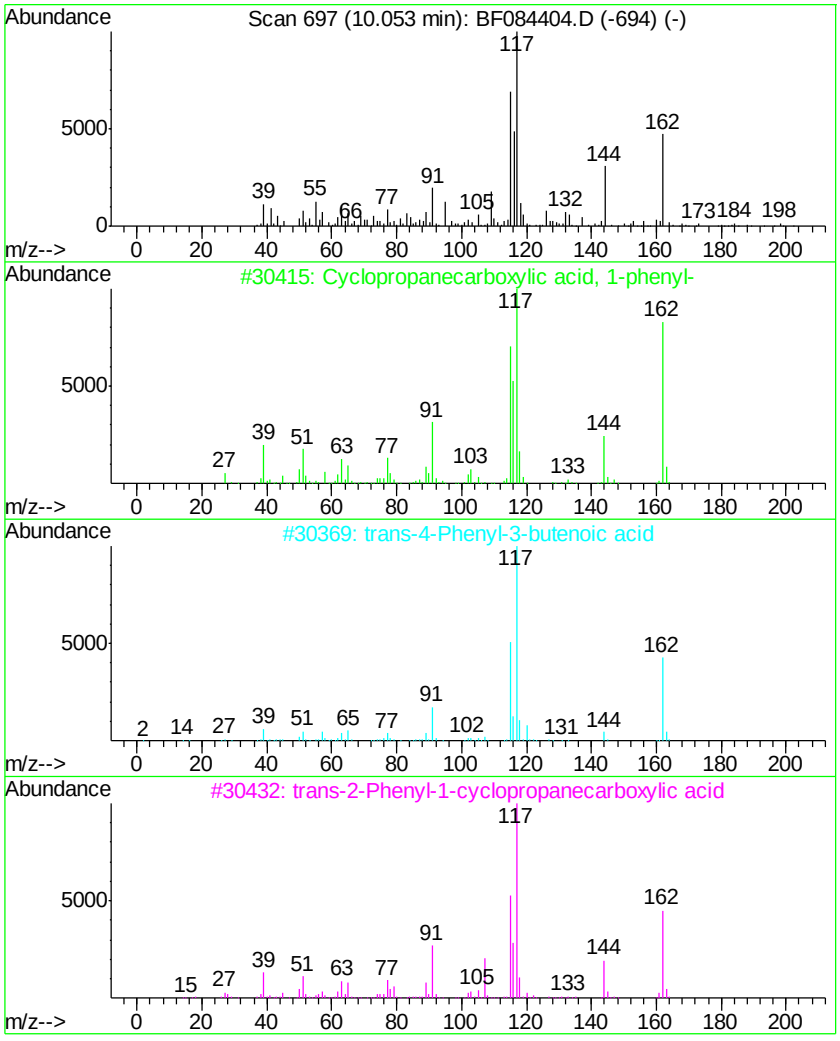
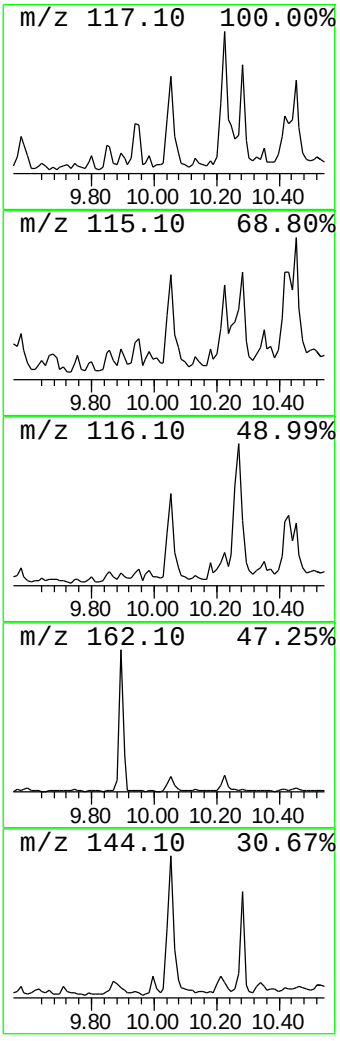
Peak Number 14 Cyclopropanecarboxylic acid... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.05 | 17.78 ng | 2808960 | Acenaphthene-d10 | 9.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropanecarboxylic acid, 1-p... | 162 | C10H10O2 | 006120-95-2 | 87 |
| 2 | trans-4-Phenyl-3-butenoic acid | 162 | C10H10O2 | 001914-58-5 | 70 |
| 3 | trans-2-Phenyl-1-cyclopropanecar... | 162 | C10H10O2 | 000939-90-2 | 64 |
| 4 | 3-Butenoic acid, 4-phenyl- | 162 | C10H10O2 | 002243-53-0 | 47 |
| 5 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 43 |



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Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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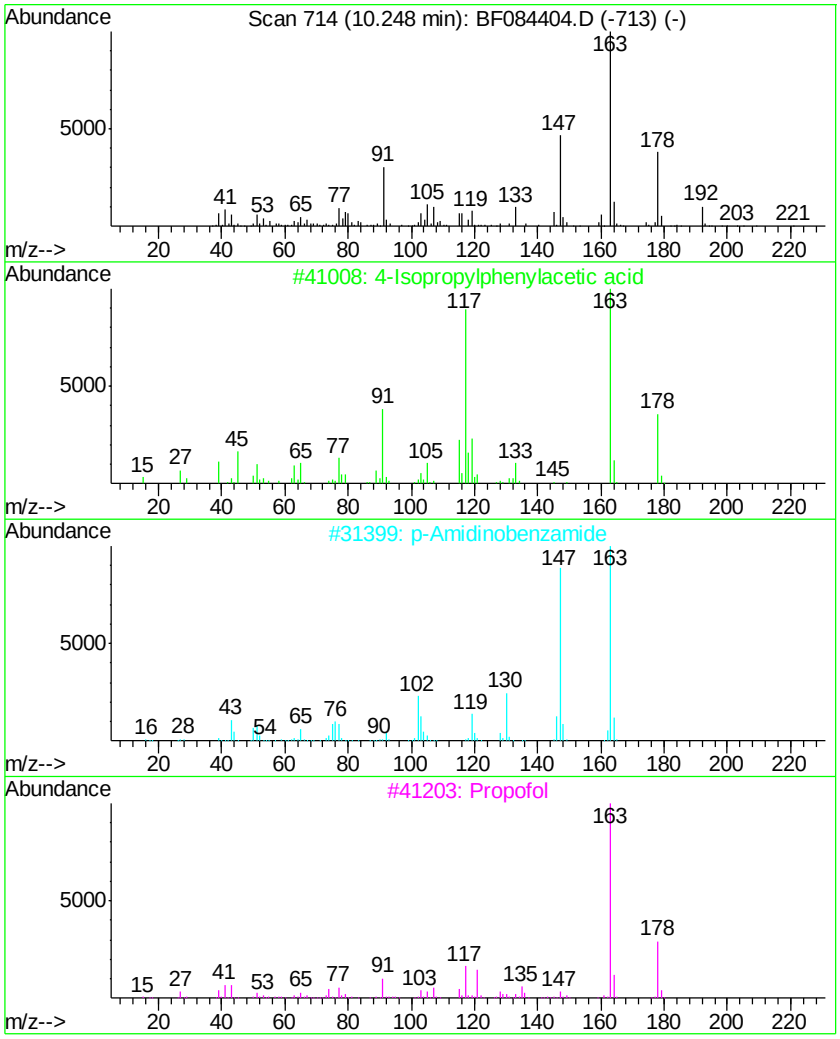
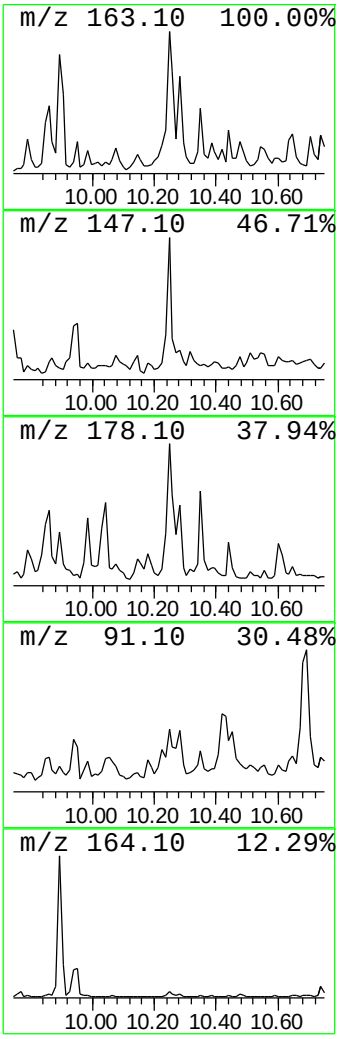
Peak Number 15 4-Isopropylphenylacetic acid Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.25 | 10.47 ng | 1653800 | Acenaphthene-d10 | 9.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Isopropylphenylacetic acid | 178 | C11H14O2 | 004476-28-2 | 58 |
| 2 | p-Amidinobenzamide | 163 | C8H9N3O | 054050-86-1 | 53 |
| 3 | Propofol | 178 | C12H18O | 002078-54-8 | 52 |
| 4 | Benzenemethanol, 4-(1,1-dimethyl... | 178 | C12H18O | 034386-42-0 | 50 |
| 5 | Benzene, 1-(1,1-dimethylethyl)-2... | 178 | C12H18O | 000088-40-4 | 50 |



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Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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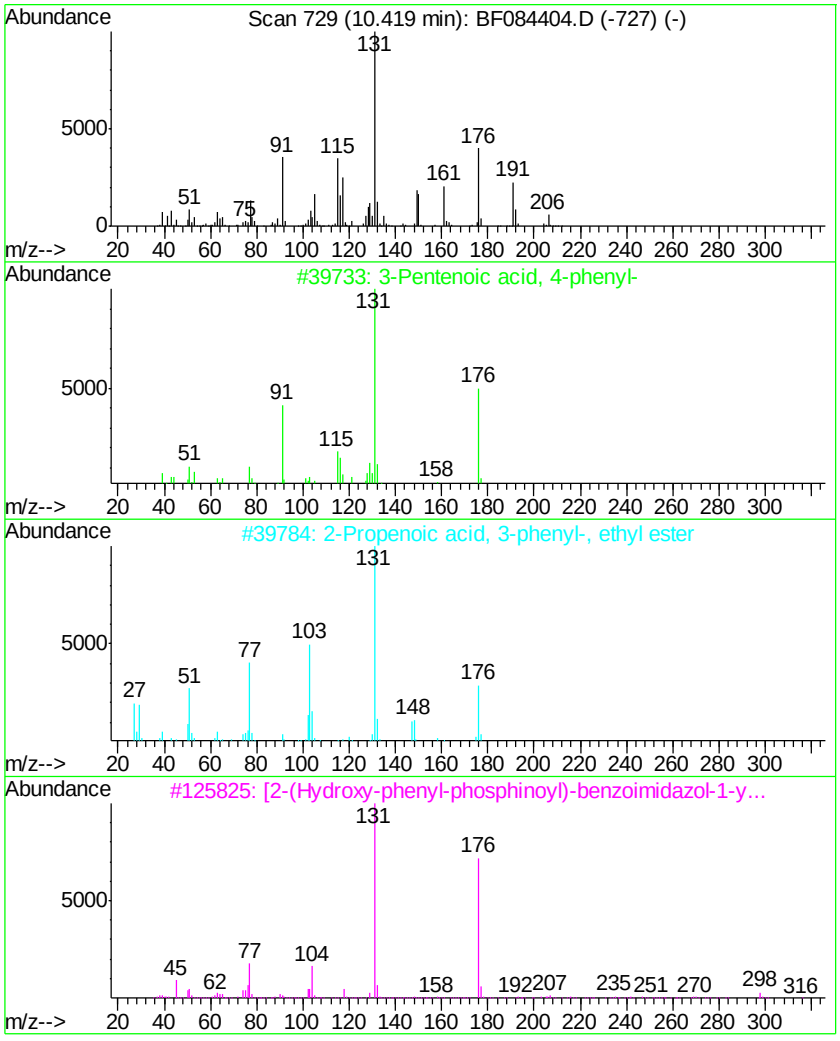
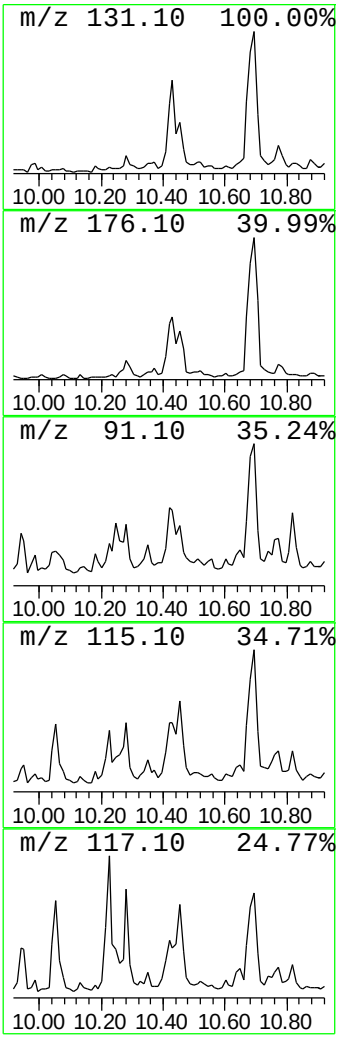
Peak Number 17 unknown10.42 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.42 | 25.20 ng | 3979660 | Acenaphthene-d10 | 9.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Pentenoic acid, 4-phenyl- | 176 | C11H12O2 | 053774-19-9 | 49 |
| 2 | 2-Propenoic acid, 3-phenyl-, eth... | 176 | C11H12O2 | 000103-36-6 | 47 |
| 3 | [2-(Hydroxy-phenyl-phosphinoyl)-... | 316 | C15H13N2O4P | 300566-65-8 | 37 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 32 |
| 5 | Benzene, (2-chloro-2-butenyl)- | 166 | C10H11Cl | 054411-12-0 | 30 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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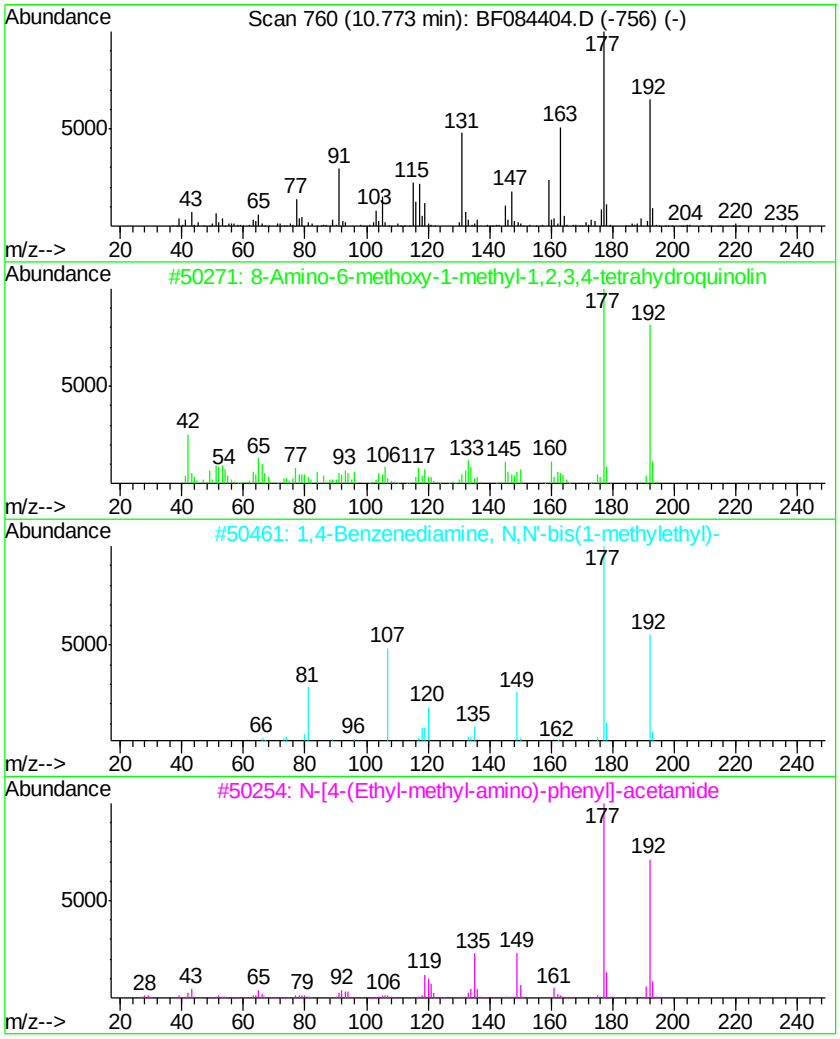
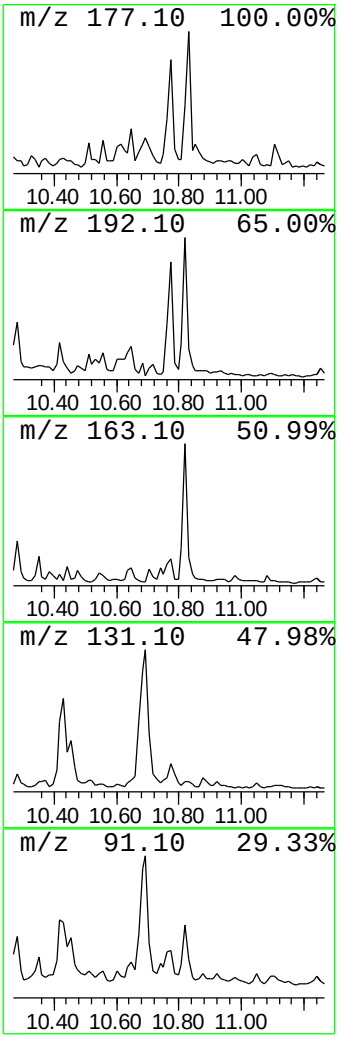
Peak Number 18 unknown10.77 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.77 | 16.74 ng | 2153690 | Phenanthrene-d10 | 11.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 8-Amino-6-methoxy-1-methyl-1,2,3... | 192 | C11H16N2O | 059353-30-9 | 43 |
| 2 | 1,4-Benzenediamine, N,N'-bis(1-m... | 192 | C12H20N2 | 004251-01-8 | 43 |
| 3 | N-[4-(Ethyl-methyl-amino)-phenyl... | 192 | C11H16N2O | 099981-45-0 | 43 |
| 4 | Benzo[c][1,2,5]-thiadiazole, 4,5... | 192 | C10H12N2S | 106148-64-5 | 38 |
| 5 | 1H-Benzimidazole, 1-methyl-5-nitro- | 177 | C8H7N3O2 | 005381-78-2 | 30 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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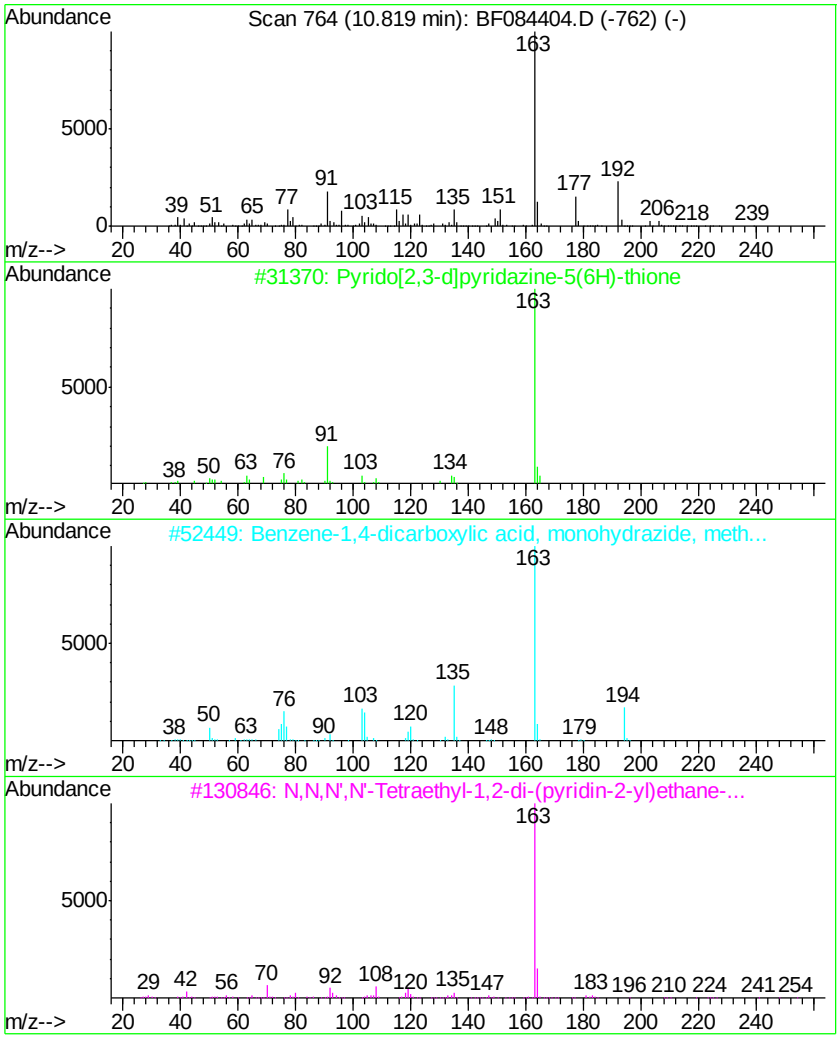
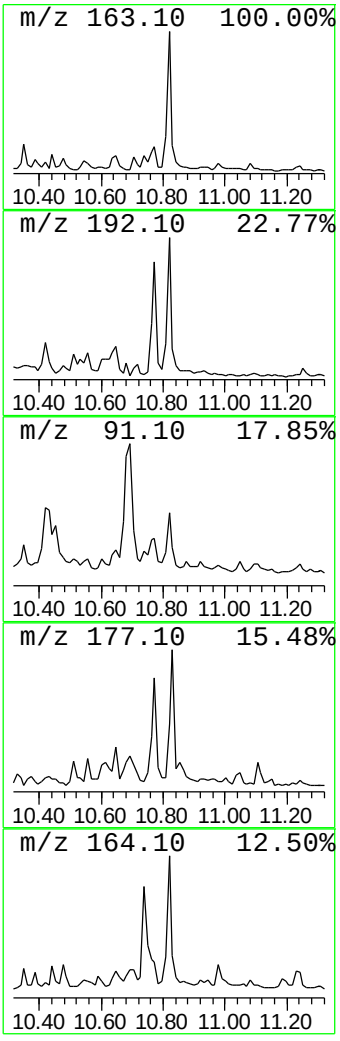
Peak Number 19 Pyrido[2,3-d]pyridazine-5(6... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.82 | 20.87 ng | 2685030 | Phenanthrene-d10 | 11.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrido[2,3-d]pyridazine-5(6H)-th... | 163 | C7H5N3S | 015370-85-1 | 52 |
| 2 | Benzene-1,4-dicarboxylic acid, m... | 194 | C9H10N2O3 | 013188-55-1 | 50 |
| 3 | N,N,N',N'-Tetraethyl-1,2-di-(pyr... | 326 | C20H30N4 | 1000191-42-2 | 50 |
| 4 | Benzeneacetic acid, .alpha.,.alp... | 209 | C10H11NO4 | 126802-52-6 | 50 |
| 5 | 1,3-Dioxolane, 2-(bromomethyl)-2... | 256 | C11H13BrO2 | 024169-43-5 | 50 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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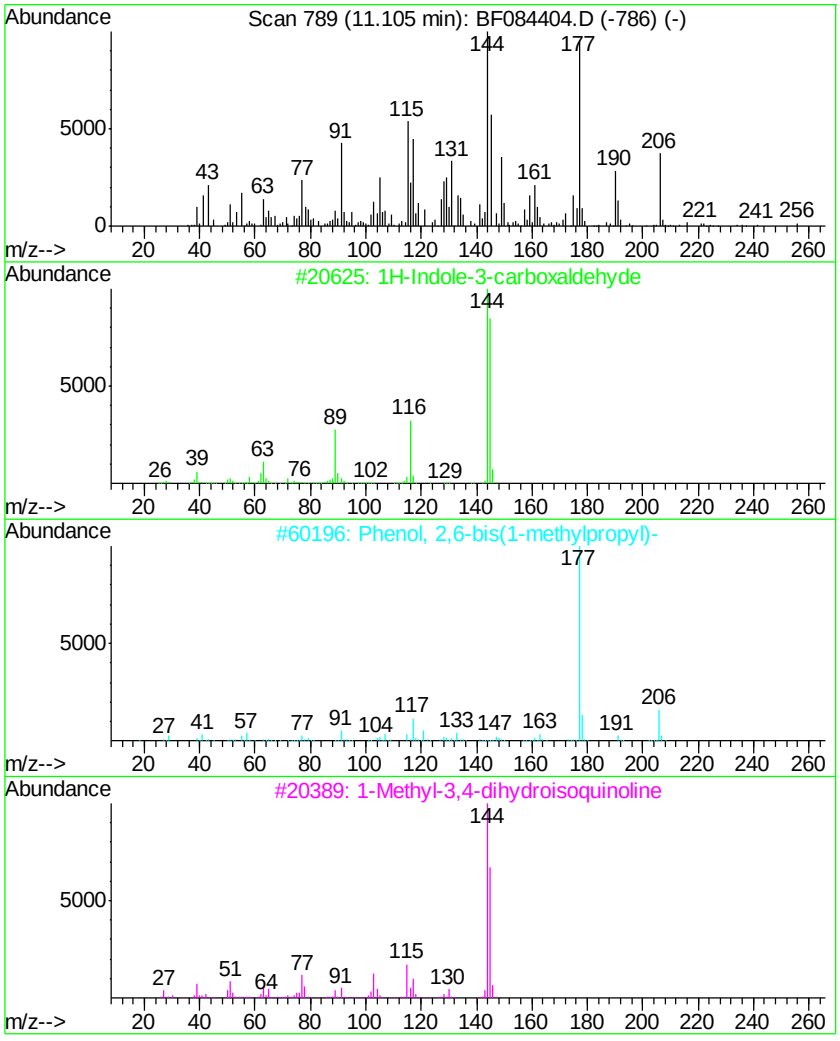
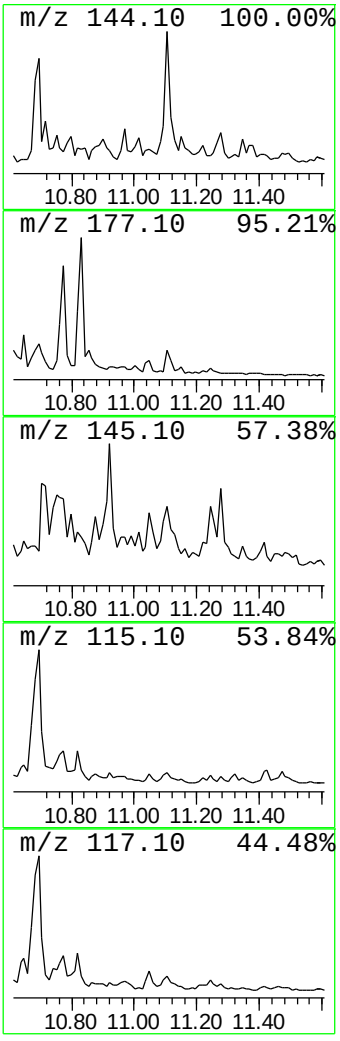
Peak Number 20 unknown11.11 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.11 | 10.05 ng | 1293400 | Phenanthrene-d10 | 11.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indole-3-carboxaldehyde | 145 | C9H7NO | 000487-89-8 | 30 |
| 2 | Phenol, 2,6-bis(1-methylpropyl)- | 206 | C14H22O | 005510-99-6 | 30 |
| 3 | 1-Methyl-3,4-dihydroisoquinoline | 145 | C10H11N | 002412-58-0 | 25 |
| 4 | 4-Isoquinolinamine | 144 | C9H8N2 | 023687-25-4 | 25 |
| 5 | 8-Quinolinamine | 144 | C9H8N2 | 000578-66-5 | 25 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
Data File : BF084404.D
Acq On : 12 Jan 2016 3:13
Operator : SJ/UM
Sample : H1066-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-15R

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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 |
| Benzene, (1-methy... | 6.01 | 8.5 | ng | 1004700 | 1 | 6.85 | 2376490 | 20.0 |
| unknown6.62 | 6.62 | 65.6 | ng | 7796340 | 1 | 6.85 | 2376490 | 20.0 |
| Indane | 7.04 | 13.3 | ng | 1574210 | 1 | 6.85 | 2376490 | 20.0 |
| Benzene, 1,3-diet... | 7.10 | 11.5 | ng | 1367330 | 1 | 6.85 | 2376490 | 20.0 |
| Benzene, 1,2-diet... | 7.20 | 13.2 | ng | 1567640 | 1 | 6.85 | 2376490 | 20.0 |
| Benzene, 1,2,3,4-... | 7.63 | 10.6 | ng | 2428140 | 2 | 8.14 | 4600170 | 20.0 |
| Benzene, (2-methy... | 7.79 | 8.7 | ng | 2009660 | 2 | 8.14 | 4600170 | 20.0 |
| Benzene, 1,2,4,5-... | 7.88 | 9.9 | ng | 2273440 | 2 | 8.14 | 4600170 | 20.0 |
| Cis-3-methyl-endo... | 9.34 | 11.0 | ng | 1735950 | 3 | 9.89 | 3159020 | 20.0 |
| Benzoic acid, 2,4... | 9.57 | 26.4 | ng | 4177630 | 3 | 9.89 | 3159020 | 20.0 |
| Cyclopropanecarbo... | 10.05 | 17.8 | ng | 2808960 | 3 | 9.89 | 3159020 | 20.0 |
| 4-Isopropylphenyl... | 10.25 | 10.5 | ng | 1653800 | 3 | 9.89 | 3159020 | 20.0 |
| unknown10.42 | 10.42 | 25.2 | ng | 3979660 | 3 | 9.89 | 3159020 | 20.0 |
| unknown10.77 | 10.77 | 16.7 | ng | 2153690 | 4 | 11.38 | 2572700 | 20.0 |
| Pyrido[2,3-d]pyri... | 10.82 | 20.9 | ng | 2685030 | 4 | 11.38 | 2572700 | 20.0 |
| unknown11.11 | 11.11 | 10.1 | ng | 1293400 | 4 | 11.38 | 2572700 | 20.0 |