LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

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-BF012417.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 | 3.195 | 94 | 97 | 99 | rBV | 45113 | 83959 | 1.47% | 0.086% |
| 2 | 5.161 | 266 | 269 | 271 | rBV | 536319 | 708478 | 12.41% | 0.728% |
| 3 | 5.219 | 272 | 274 | 278 | rVB2 | 68564 | 133490 | 2.34% | 0.137% |
| 4 | 5.447 | 290 | 294 | 296 | rBV | 51765 | 77908 | 1.36% | 0.080% |
| 5 | 5.481 | 296 | 297 | 300 | rVB | 67626 | 77323 | 1.35% | 0.079% |
| 6 | 5.584 | 304 | 306 | 308 | rVV | 2687603 | 2433229 | 42.62% | 2.499% |
| 7 | 5.687 | 313 | 315 | 317 | rBV | 255021 | 278866 | 4.88% | 0.286% |
| 8 | 5.744 | 318 | 320 | 324 | rVB | 183292 | 242507 | 4.25% | 0.249% |
| 9 | 5.847 | 327 | 329 | 330 | rBV2 | 111876 | 109406 | 1.92% | 0.112% |
| 10 | 5.881 | 330 | 332 | 334 | rVB | 101526 | 119899 | 2.10% | 0.123% |
| 11 | 6.007 | 338 | 343 | 345 | rBV4 | 55522 | 114972 | 2.01% | 0.118% |
| 12 | 6.133 | 348 | 354 | 355 | rBV3 | 137600 | 211090 | 3.70% | 0.217% |
| 13 | 6.167 | 355 | 357 | 358 | rBV | 58777 | 72940 | 1.28% | 0.075% |
| 14 | 6.201 | 358 | 360 | 361 | rBV | 153616 | 129902 | 2.28% | 0.133% |
| 15 | 6.224 | 361 | 362 | 365 | rVB2 | 110036 | 175067 | 3.07% | 0.180% |
| 16 | 6.282 | 365 | 367 | 371 | rVB4 | 68273 | 136226 | 2.39% | 0.140% |
| 17 | 6.384 | 374 | 376 | 378 | rBV2 | 62243 | 70839 | 1.24% | 0.073% |
| 18 | 6.419 | 378 | 379 | 382 | rVB | 197471 | 219222 | 3.84% | 0.225% |
| 19 | 6.464 | 382 | 383 | 384 | rBV | 96959 | 75220 | 1.32% | 0.077% |
| 20 | 6.544 | 384 | 390 | 391 | rBV3 | 62597 | 153272 | 2.68% | 0.157% |
| 21 | 6.567 | 391 | 392 | 394 | rBV | 261899 | 228180 | 4.00% | 0.234% |
| 22 | 6.624 | 394 | 397 | 400 | rBV | 1163735 | 1782619 | 31.22% | 1.831% |
| 23 | 6.670 | 400 | 401 | 403 | rVB | 96706 | 101842 | 1.78% | 0.105% |
| 24 | 6.750 | 405 | 408 | 410 | rBV | 3478606 | 4190443 | 73.39% | 4.304% |
| 25 | 6.819 | 411 | 414 | 415 | rBV | 263701 | 332942 | 5.83% | 0.342% |
| 26 | 6.842 | 415 | 416 | 419 | rVB2 | 120873 | 163743 | 2.87% | 0.168% |
| 27 | 6.922 | 419 | 423 | 425 | rBV4 | 416100 | 677492 | 11.87% | 0.696% |
| 28 | 6.967 | 425 | 427 | 429 | rVB2 | 1038004 | 1094015 | 19.16% | 1.124% |
| 29 | 7.036 | 432 | 433 | 438 | rVB2 | 199083 | 281411 | 4.93% | 0.289% |
| 30 | 7.127 | 438 | 441 | 446 | rBV2 | 3508505 | 5155377 | 90.29% | 5.295% |
| 31 | 7.219 | 446 | 449 | 451 | rBV2 | 787209 | 778423 | 13.63% | 0.799% |
| 32 | 7.253 | 451 | 452 | 454 | rVB2 | 105931 | 125806 | 2.20% | 0.129% |
| 33 | 7.310 | 454 | 457 | 461 | rVB2 | 620052 | 1456917 | 25.52% | 1.496% |
| 34 | 7.379 | 461 | 463 | 464 | rBV2 | 280124 | 362841 | 6.35% | 0.373% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

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-BF012417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 7.413 | 464 | 466 | 470 | rBV3 | 422069 | 804685 | 14.09% | 0.826% |
| 36 | 7.470 | 470 | 471 | 472 | rBV | 261140 | 266305 | 4.66% | 0.274% |
| 37 | 7.516 | 472 | 475 | 476 | rBV2 | 1783499 | 2835915 | 49.67% | 2.913% |
| 38 | 7.550 | 476 | 478 | 480 | rVB | 2901850 | 3373648 | 59.09% | 3.465% |
| 39 | 7.596 | 480 | 482 | 483 | rVB2 | 266395 | 249893 | 4.38% | 0.257% |
| 40 | 7.619 | 483 | 484 | 487 | rVB3 | 698961 | 798975 | 13.99% | 0.821% |
| 41 | 7.665 | 487 | 488 | 489 | rBV | 463569 | 407160 | 7.13% | 0.418% |
| 42 | 7.745 | 493 | 495 | 497 | rVB | 1300924 | 1405992 | 24.62% | 1.444% |
| 43 | 7.802 | 497 | 500 | 501 | rBV | 592977 | 747440 | 13.09% | 0.768% |
| 44 | 7.847 | 501 | 504 | 508 | rVB3 | 992792 | 1289590 | 22.59% | 1.324% |
| 45 | 7.939 | 508 | 512 | 513 | rBV2 | 808295 | 2096638 | 36.72% | 2.153% |
| 46 | 7.973 | 513 | 515 | 516 | rVB | 386680 | 309452 | 5.42% | 0.318% |
| 47 | 7.996 | 516 | 517 | 519 | rBV2 | 1019721 | 1434326 | 25.12% | 1.473% |
| 48 | 8.030 | 519 | 520 | 522 | rVB2 | 1055144 | 1306303 | 22.88% | 1.342% |
| 49 | 8.099 | 522 | 526 | 528 | rBV4 | 701992 | 2078223 | 36.40% | 2.134% |
| 50 | 8.133 | 528 | 529 | 530 | rVB | 549874 | 376939 | 6.60% | 0.387% |
| 51 | 8.213 | 534 | 536 | 537 | rVB2 | 552942 | 547024 | 9.58% | 0.562% |
| 52 | 8.270 | 537 | 541 | 544 | rBV3 | 2350633 | 5709645 | 100.00% | 5.864% |
| 53 | 8.385 | 548 | 551 | 553 | rBV3 | 418023 | 768320 | 13.46% | 0.789% |
| 54 | 8.465 | 555 | 558 | 561 | rBV2 | 1370882 | 2808736 | 49.19% | 2.885% |
| 55 | 8.522 | 561 | 563 | 566 | rBV4 | 590364 | 816540 | 14.30% | 0.839% |
| 56 | 8.613 | 569 | 571 | 572 | rVB2 | 776702 | 865976 | 15.17% | 0.889% |
| 57 | 8.636 | 572 | 573 | 576 | rVB3 | 864125 | 1349269 | 23.63% | 1.386% |
| 58 | 8.727 | 576 | 581 | 582 | rBV3 | 1218271 | 2788254 | 48.83% | 2.864% |
| 59 | 8.773 | 583 | 585 | 588 | rVB4 | 803096 | 1247225 | 21.84% | 1.281% |
| 60 | 8.819 | 588 | 589 | 591 | rVB2 | 1031151 | 820428 | 14.37% | 0.843% |
| 61 | 8.865 | 591 | 593 | 595 | rVB2 | 832850 | 1275890 | 22.35% | 1.310% |
| 62 | 8.933 | 595 | 599 | 601 | rBV2 | 1739366 | 3263563 | 57.16% | 3.352% |
| 63 | 8.967 | 601 | 602 | 604 | rBV2 | 691374 | 720941 | 12.63% | 0.740% |
| 64 | 9.025 | 605 | 607 | 608 | rVB | 520208 | 403435 | 7.07% | 0.414% |
| 65 | 9.059 | 608 | 610 | 611 | rBV2 | 701950 | 750725 | 13.15% | 0.771% |
| 66 | 9.093 | 611 | 613 | 616 | rBV3 | 964177 | 1882074 | 32.96% | 1.933% |
| 67 | 9.162 | 616 | 619 | 621 | rBV4 | 744465 | 1920497 | 33.64% | 1.972% |
| 68 | 9.299 | 628 | 631 | 634 | rBV4 | 848770 | 2415752 | 42.31% | 2.481% |
| 69 | 9.356 | 634 | 636 | 640 | rVB | 3980020 | 5230297 | 91.60% | 5.372% |
| 70 | 9.413 | 640 | 641 | 643 | rBV | 1725861 | 2506396 | 43.90% | 2.574% |
| 71 | 9.539 | 649 | 652 | 653 | rBV3 | 916341 | 1584825 | 27.76% | 1.628% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

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-BF012417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 9.825 | 671 | 677 | 679 | rBV5 | 1090182 | 3764460 | 65.93% | 3.866% |
| 73 | 9.893 | 681 | 683 | 685 | rVB | 1397887 | 1364573 | 23.90% | 1.401% |
| 74 | 9.973 | 688 | 690 | 693 | rBV3 | 874683 | 1553408 | 27.21% | 1.595% |
| 75 | 10.042 | 693 | 696 | 698 | rVV2 | 1300066 | 2189619 | 38.35% | 2.249% |
| 76 | 10.099 | 699 | 701 | 702 | rVB | 837047 | 952711 | 16.69% | 0.978% |
| 77 | 10.385 | 723 | 726 | 728 | rBV | 806469 | 1951399 | 34.18% | 2.004% |
| 78 | 13.128 | 964 | 966 | 969 | rVB | 1643211 | 2026612 | 35.49% | 2.081% |
| 79 | 14.179 | 1056 | 1058 | 1061 | rVB | 645866 | 836342 | 14.65% | 0.859% |
| 80 | 15.677 | 1186 | 1189 | 1192 | rVB | 658434 | 913758 | 16.00% | 0.938% |

Sum of corrected areas: 97366044

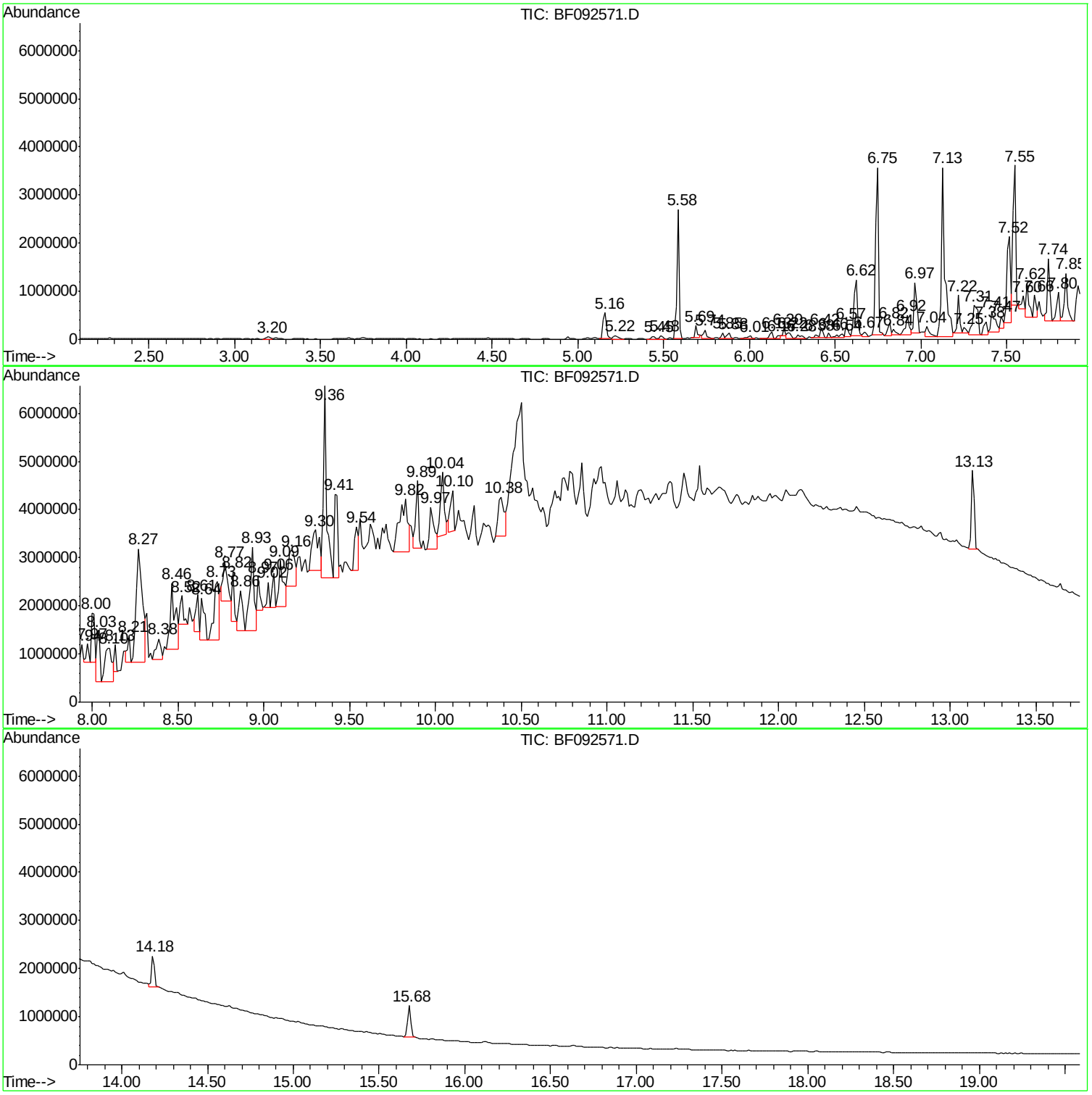
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

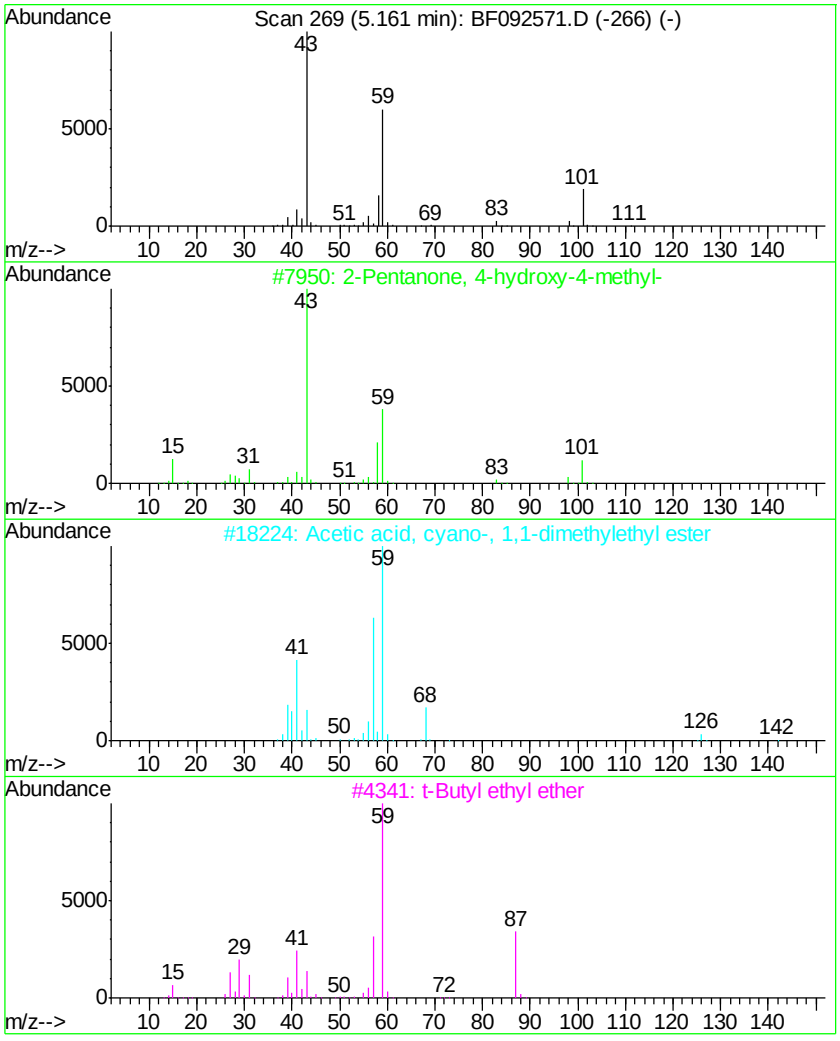
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

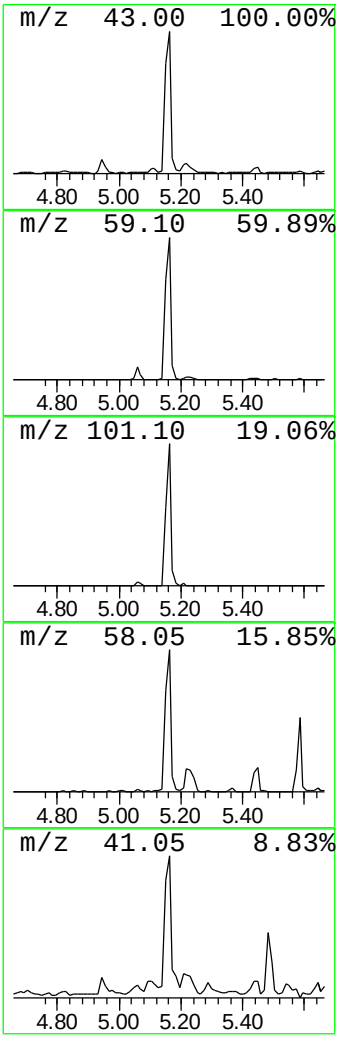
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.16 | 12.95 ng | 708478 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 3 | t-Butyl ethyl ether | 102 | C6H14O | 1000118-18-4 | 9 |
| 4 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 9 |
| 5 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

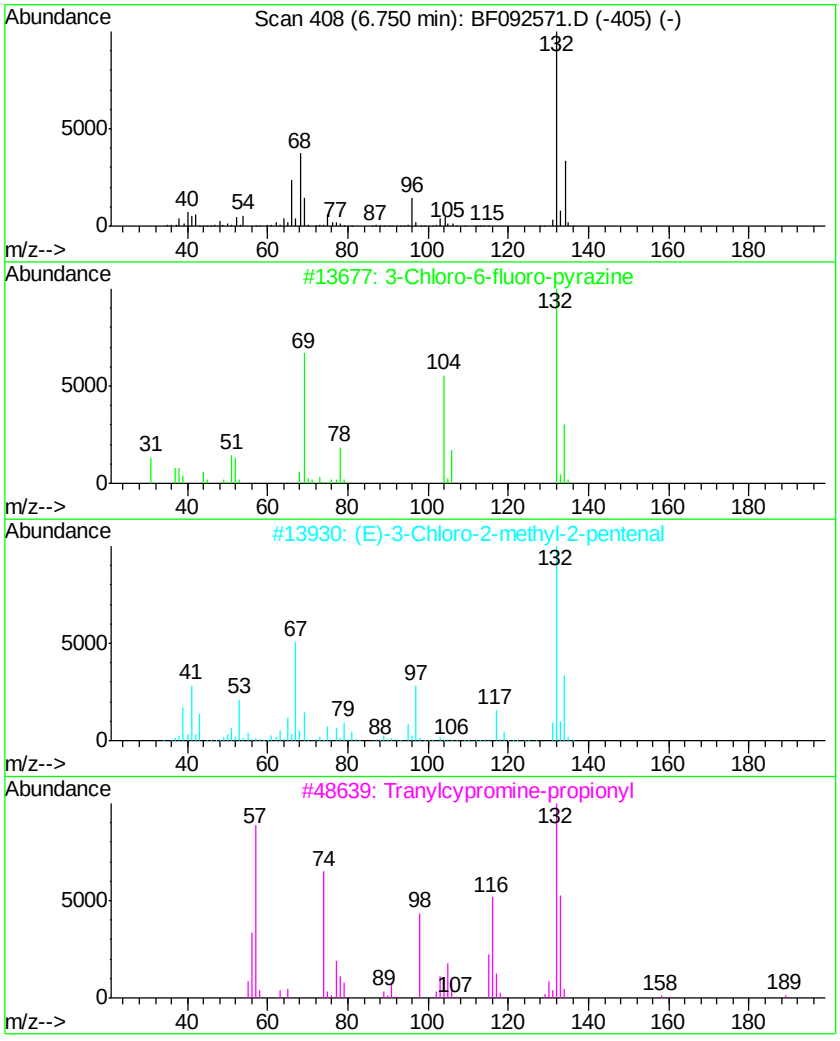
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

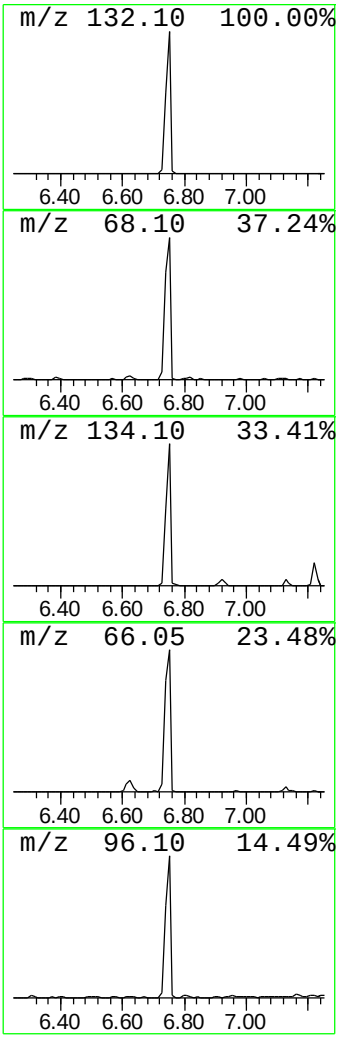
**********

Peak Number 2 unknown6.75 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.75 | 76.61 ng | 4190440 | 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 | 35 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 5 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

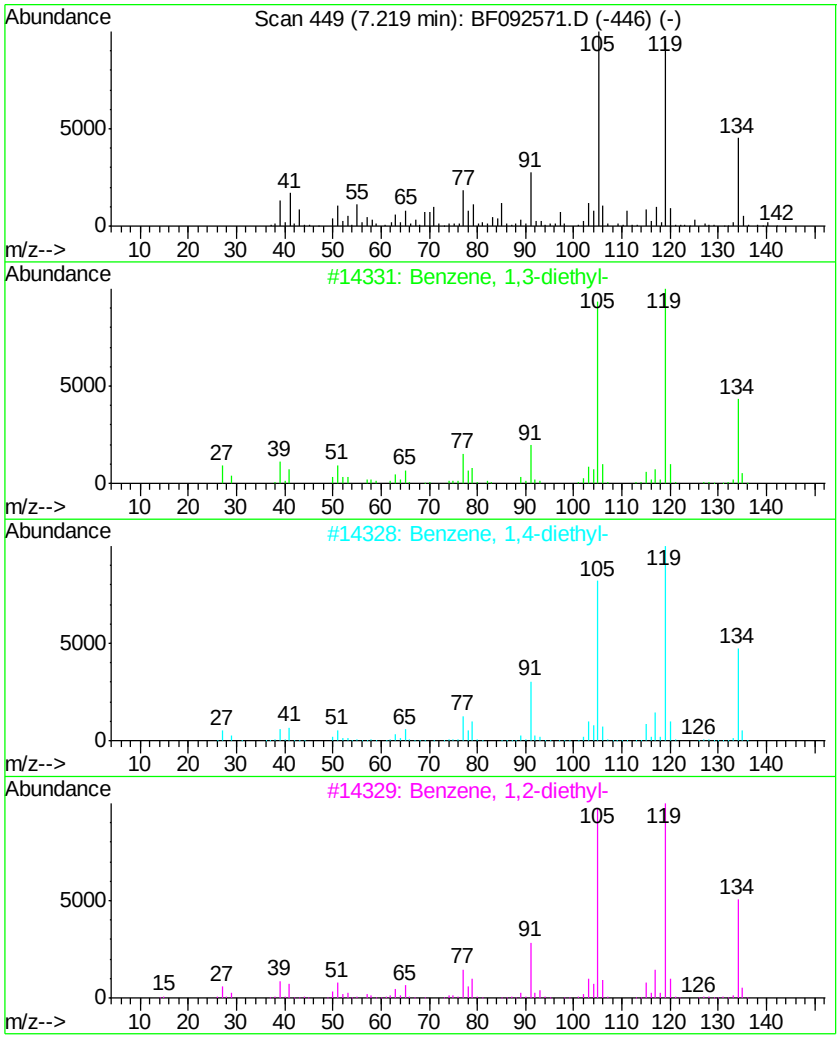
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

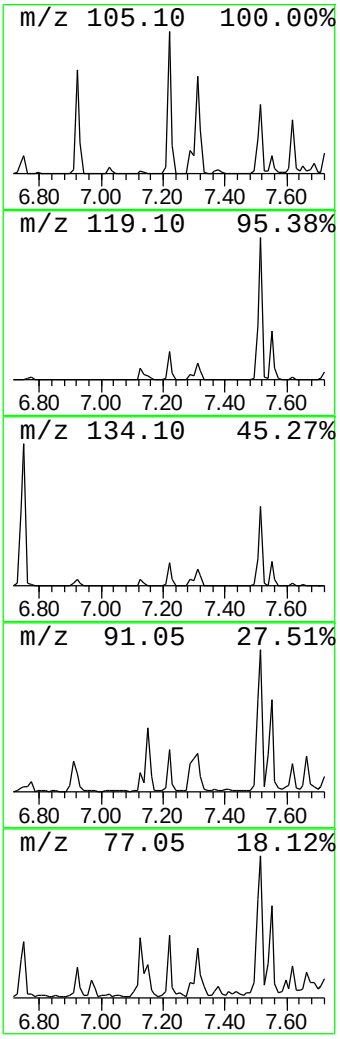
**********

Peak Number 4 Benzene, 1,3-diethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.22 | 14.23 ng | 778423 | 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 | 96 |
| 2 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 95 |
| 3 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 94 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 90 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 87 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

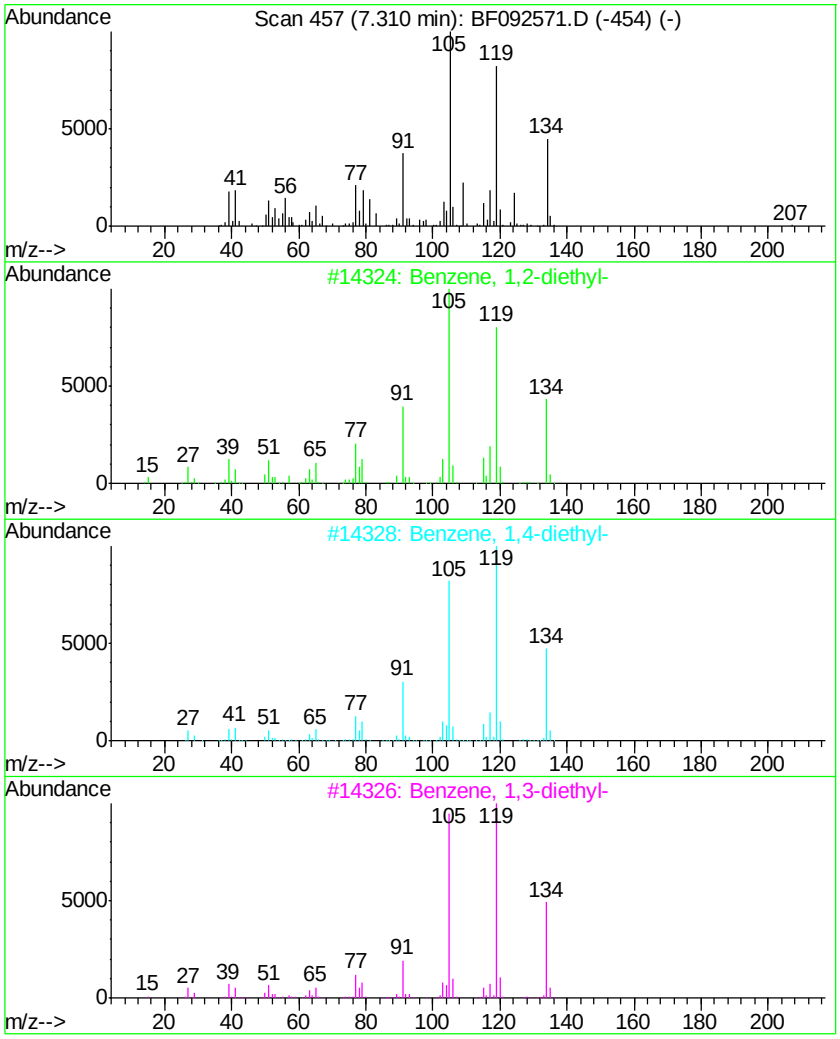
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

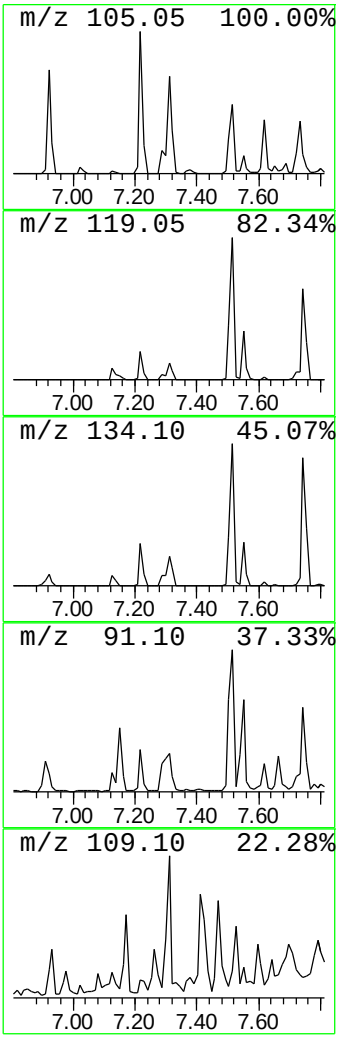
**********

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.31 | 26.63 ng | 1456920 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 96 |
| 2 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 93 |
| 3 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 83 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 70 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 68 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

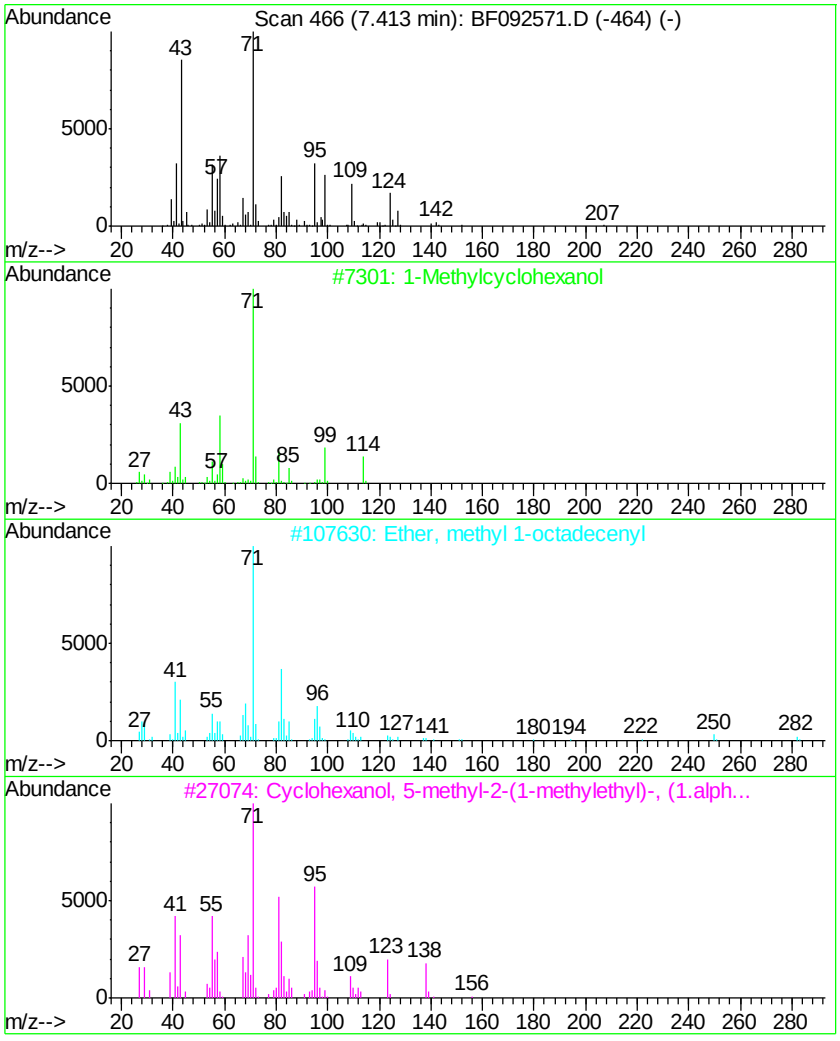
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

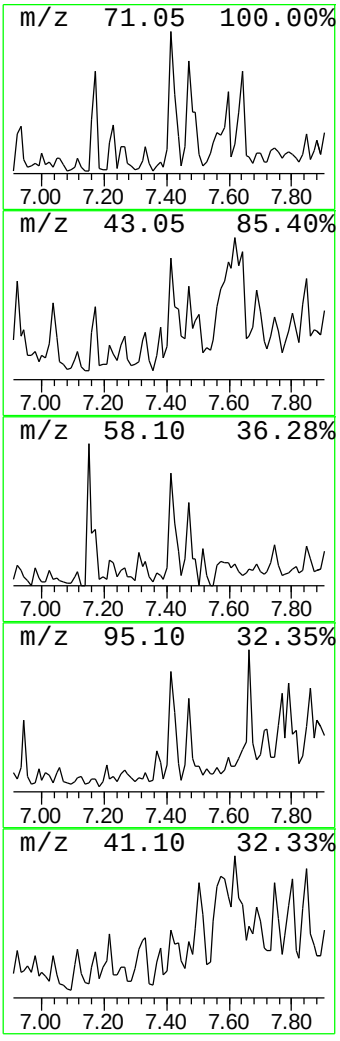
**********

Peak Number 6 unknown7.41 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.41 | 14.71 ng | 804685 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Methylcyclohexanol | 114 | C7H14O | 000590-67-0 | 43 |
| 2 | Ether, methyl 1-octadecenyl | 282 | C19H38O | 026537-06-4 | 38 |
| 3 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 000491-02-1 | 38 |
| 4 | Cyclooctane, methoxy- | 142 | C9H18O | 013213-32-6 | 38 |
| 5 | Oxirane, butyl- | 100 | C6H12O | 001436-34-6 | 37 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

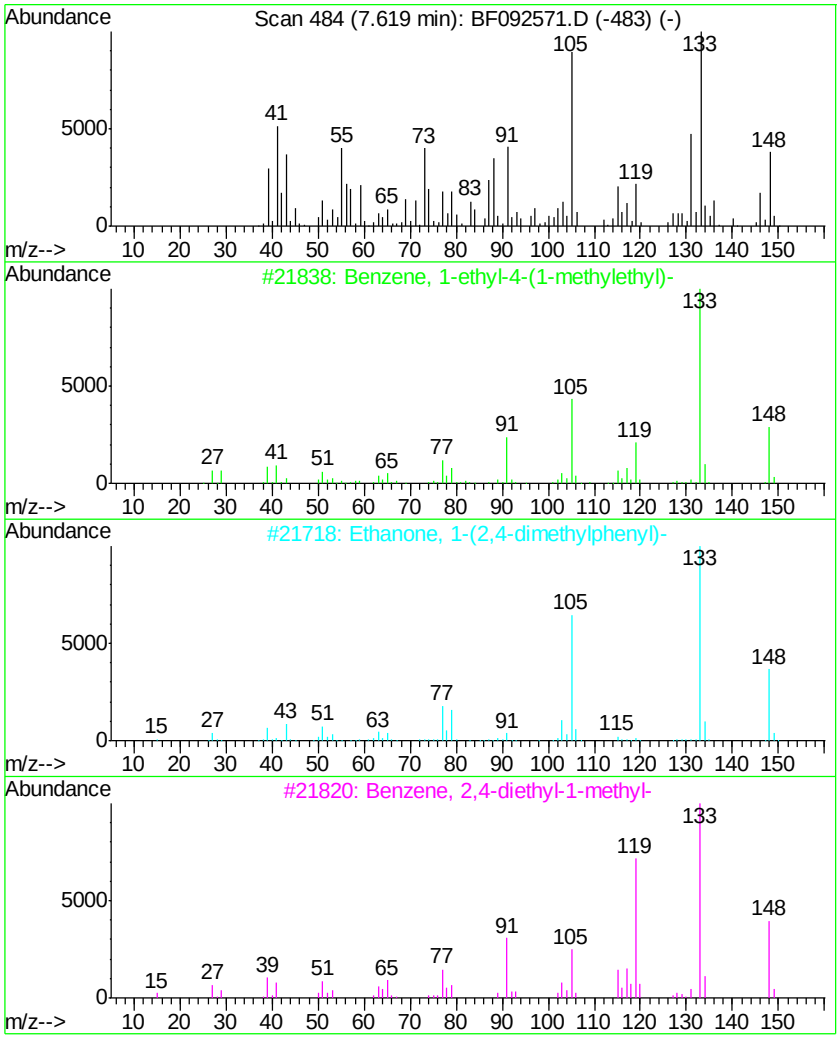
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

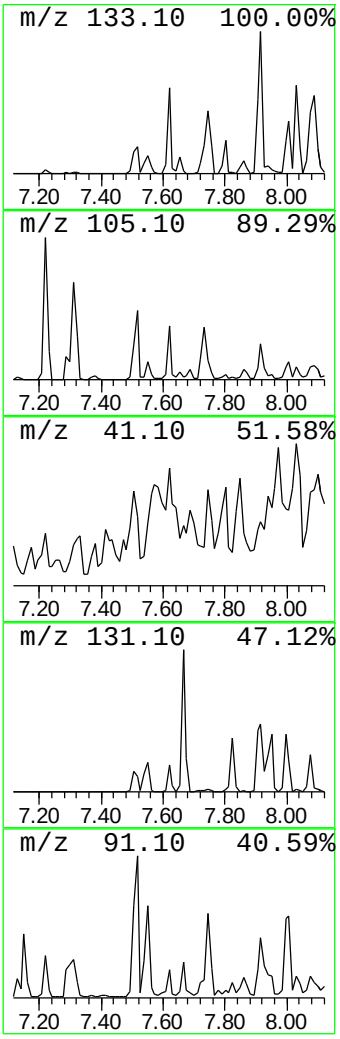
**********

Peak Number 7 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.62 | 14.61 ng | 798975 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 50 |
| 2 | Ethanone, 1-(2,4-dimethylphenyl)- | 148 | C10H12O | 000089-74-7 | 46 |
| 3 | Benzene, 2,4-diethyl-1-methyl- | 148 | C11H16 | 001758-85-6 | 46 |
| 4 | Ethanone, 1-(3,4-dimethylphenyl)- | 148 | C10H12O | 003637-01-2 | 46 |
| 5 | Benzene, 1-ethyl-3-(1-methylethyl)- | 148 | C11H16 | 004920-99-4 | 46 |



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Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

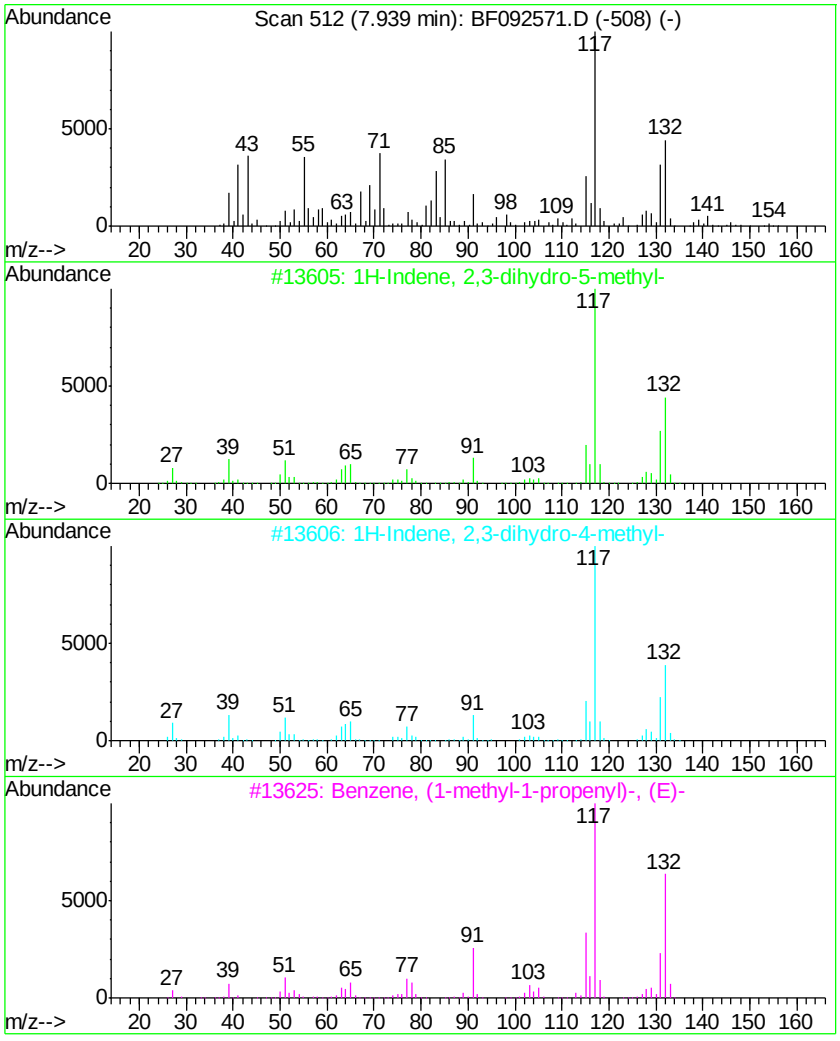
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

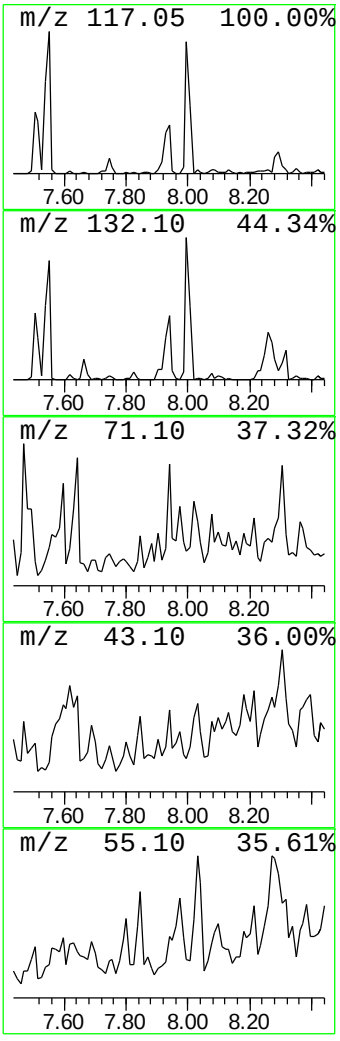
**********

Peak Number 8 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.94 | 7.34 ng | 2096640 | Naphthalene-d8 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 70 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 64 |
| 4 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 64 |
| 5 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 52 |



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Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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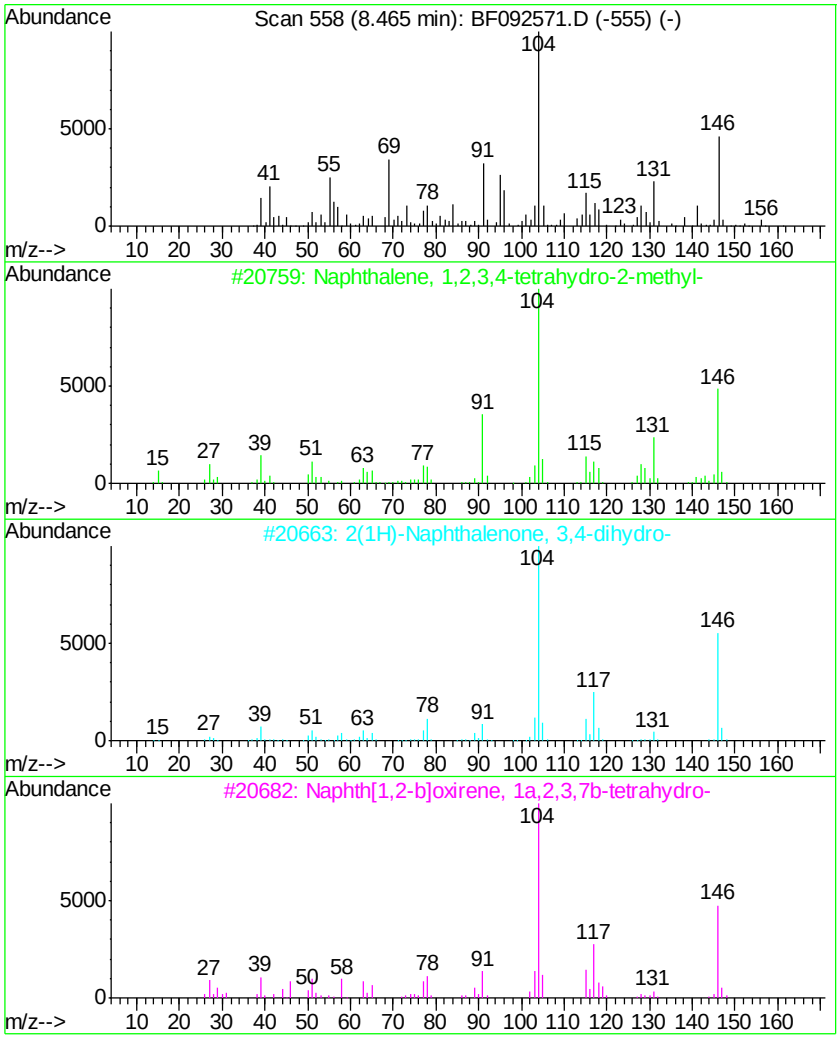
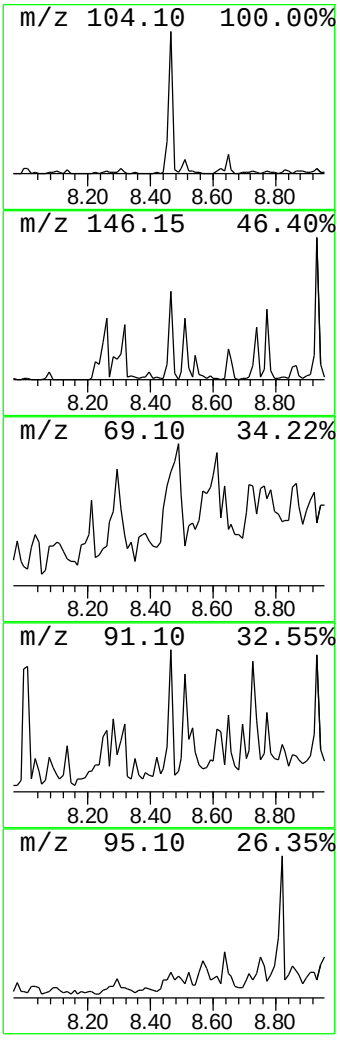
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.46 | 9.84 ng | 2808740 | Naphthalene-d8 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 89 |
| 2 | 2(1H)-Naphthalenone, 3,4-dihydro- | 146 | C10H10O | 000530-93-8 | 49 |
| 3 | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O | 002461-34-9 | 49 |
| 4 | 2,6-Difluorobenzoic acid, 2-phen... | 262 | C15H12F2O2 | 1000293-48-2 | 35 |
| 5 | Acetic acid, 2-phenylethyl ester | 164 | C10H12O2 | 000103-45-7 | 27 |



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Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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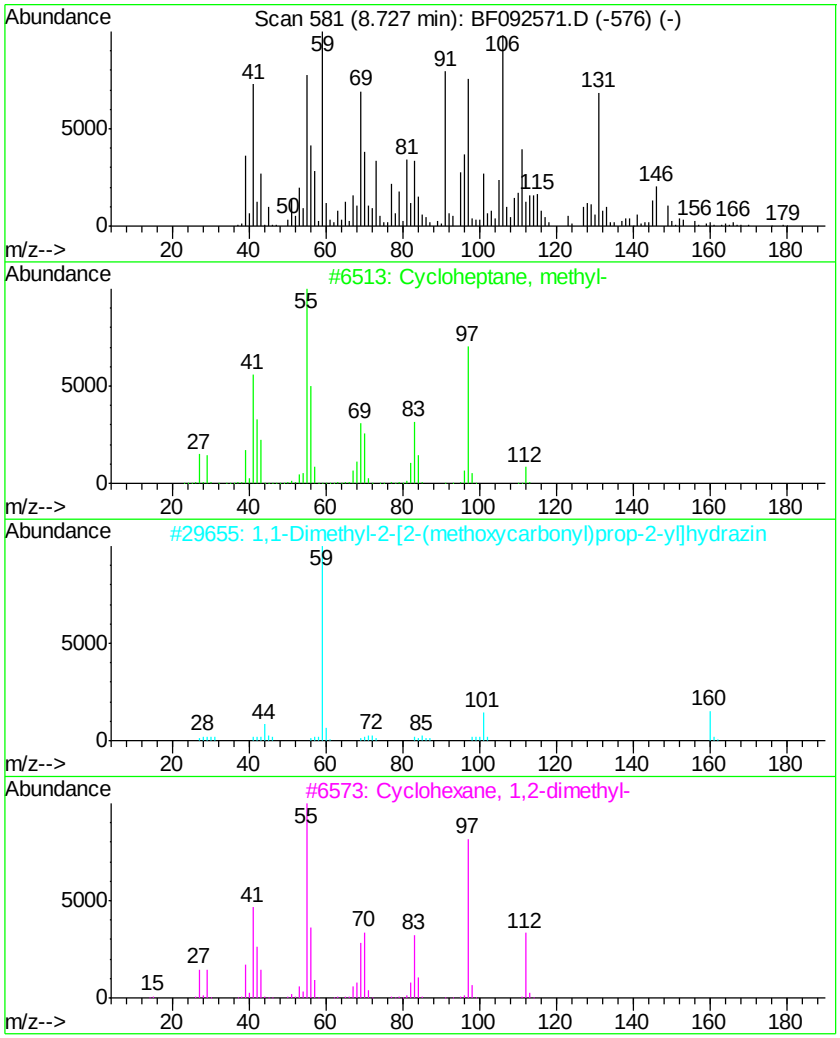
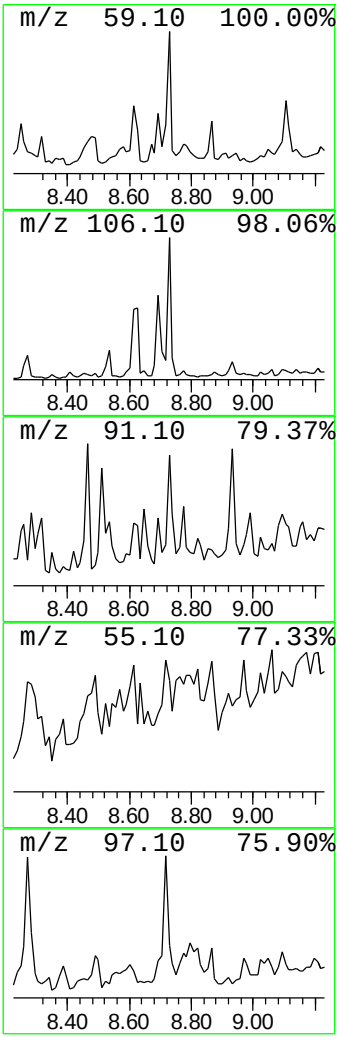
Peak Number 10 unknown8.73 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.73 | 9.77 ng | 2788250 | Naphthalene-d8 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloheptane, methyl- | 112 | C8H16 | 004126-78-7 | 25 |
| 2 | 1,1-Dimethyl-2-[2-(methoxycarbon... | 160 | C7H16N2O2 | 097812-30-1 | 15 |
| 3 | Cyclohexane, 1,2-dimethyl- | 112 | C8H16 | 000583-57-3 | 15 |
| 4 | Propanenitrile, 3-(phenylamino)- | 146 | C9H10N2 | 001075-76-9 | 11 |
| 5 | Ethanol, 2-(phenylamino)- | 137 | C8H11NO | 000122-98-5 | 11 |



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Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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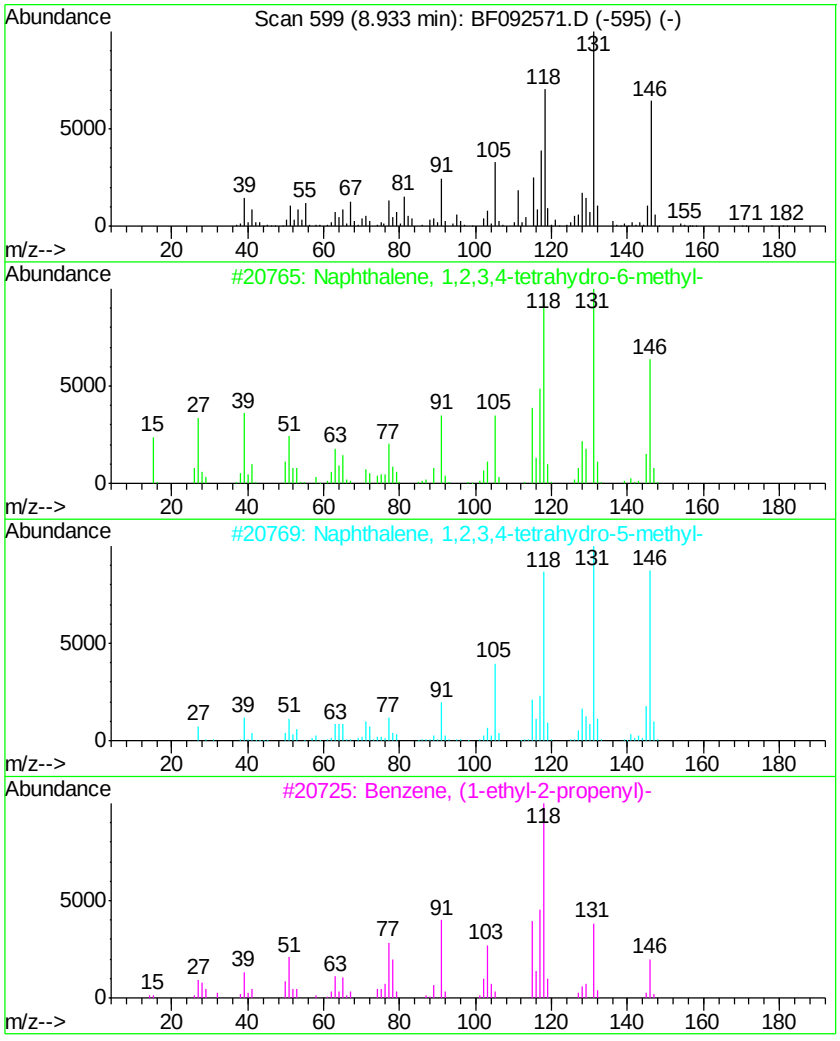
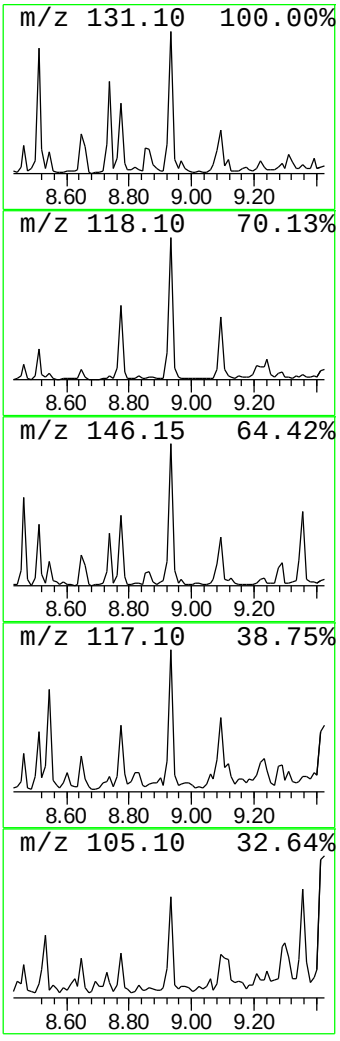
Peak Number 11 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.93 | 11.43 ng | 3263560 | Naphthalene-d8 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 96 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 95 |
| 3 | Benzene, (1-ethyl-2-propenyl)- | 146 | C11H14 | 019947-22-9 | 81 |
| 4 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 70 |
| 5 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 70 |



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Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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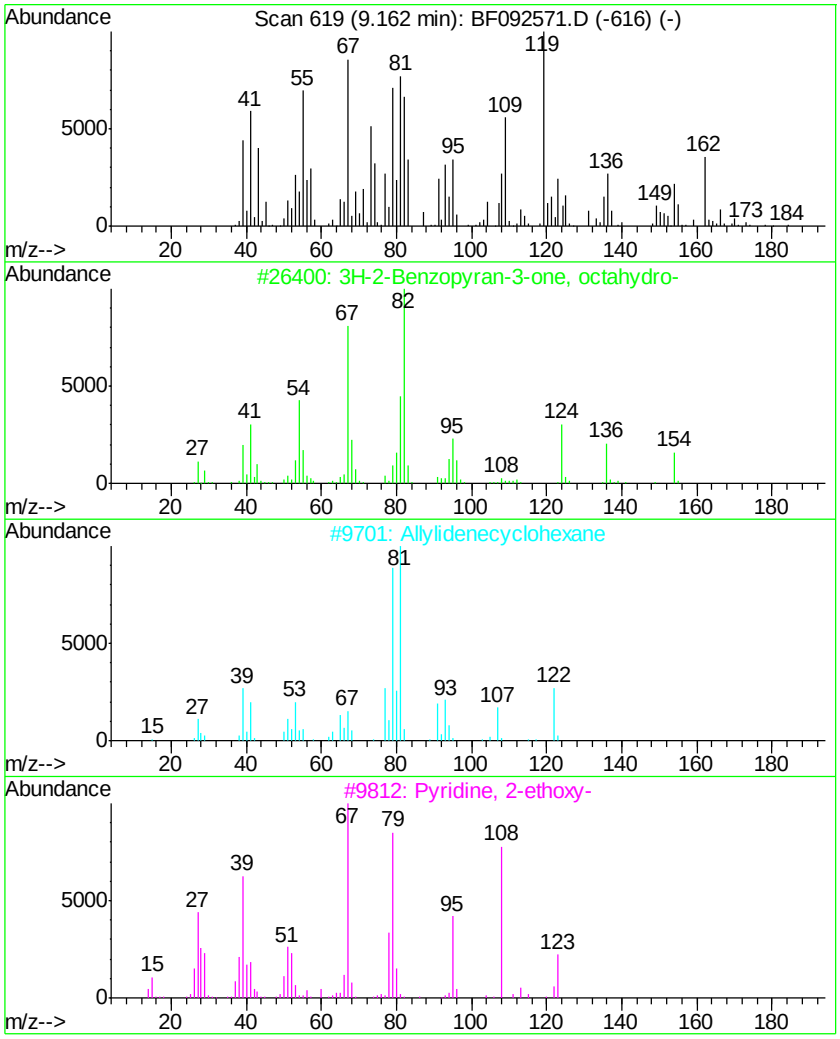
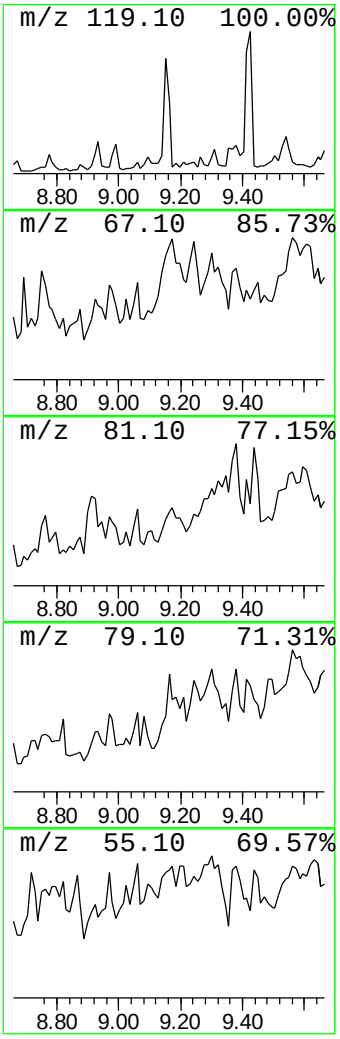
Peak Number 12 unknown9.16 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.16 | 17.54 ng | 1920500 | Acenaphthene-d10 | 10.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3H-2-Benzopyran-3-one, octahydro- | 154 | C9H14O2 | 021962-62-9 | 25 |
| 2 | Allylidenecyclohexane | 122 | C9H14 | 005664-10-8 | 25 |
| 3 | Pyridine, 2-ethoxy- | 123 | C7H9NO | 014529-53-4 | 18 |
| 4 | 1,6-Cyclodecadiene | 136 | C10H16 | 007049-13-0 | 18 |
| 5 | Cis-3-methyl-exo-tricyclo[5.2.1.... | 150 | C11H18 | 1000215-28-9 | 18 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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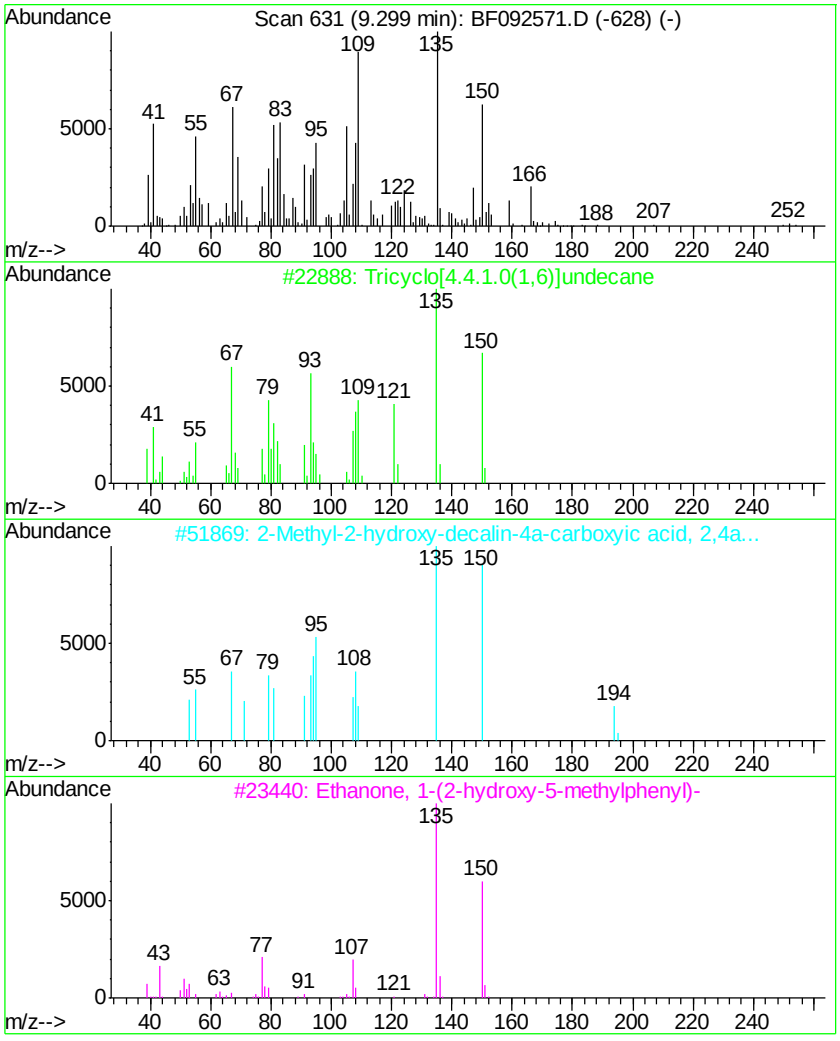
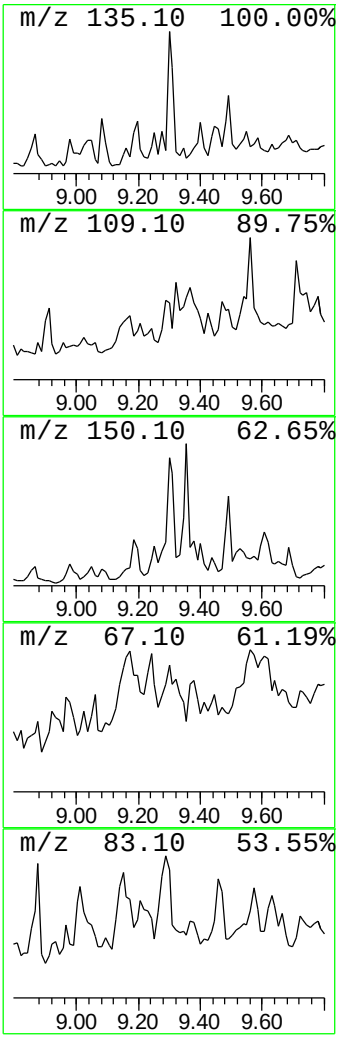
Peak Number 13 unknown9.30 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.30 | 22.07 ng | 2415750 | Acenaphthene-d10 | 10.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tricyclo[4.4.1.0(1,6)]undecane | 150 | C11H18 | 006571-73-9 | 45 |
| 2 | 2-Methyl-2-hydroxy-decalin-4a-ca... | 194 | C12H18O2 | 1000146-22-6 | 43 |
| 3 | Ethanone, 1-(2-hydroxy-5-methylp... | 150 | C9H10O2 | 001450-72-2 | 38 |
| 4 | Ethanone, 1-(6,6-dimethylbicyclo... | 150 | C10H14O | 024555-40-6 | 35 |
| 5 | 2,5-Dimethyl-3-isopropylpyrazine | 150 | C9H14N2 | 013610-20-3 | 25 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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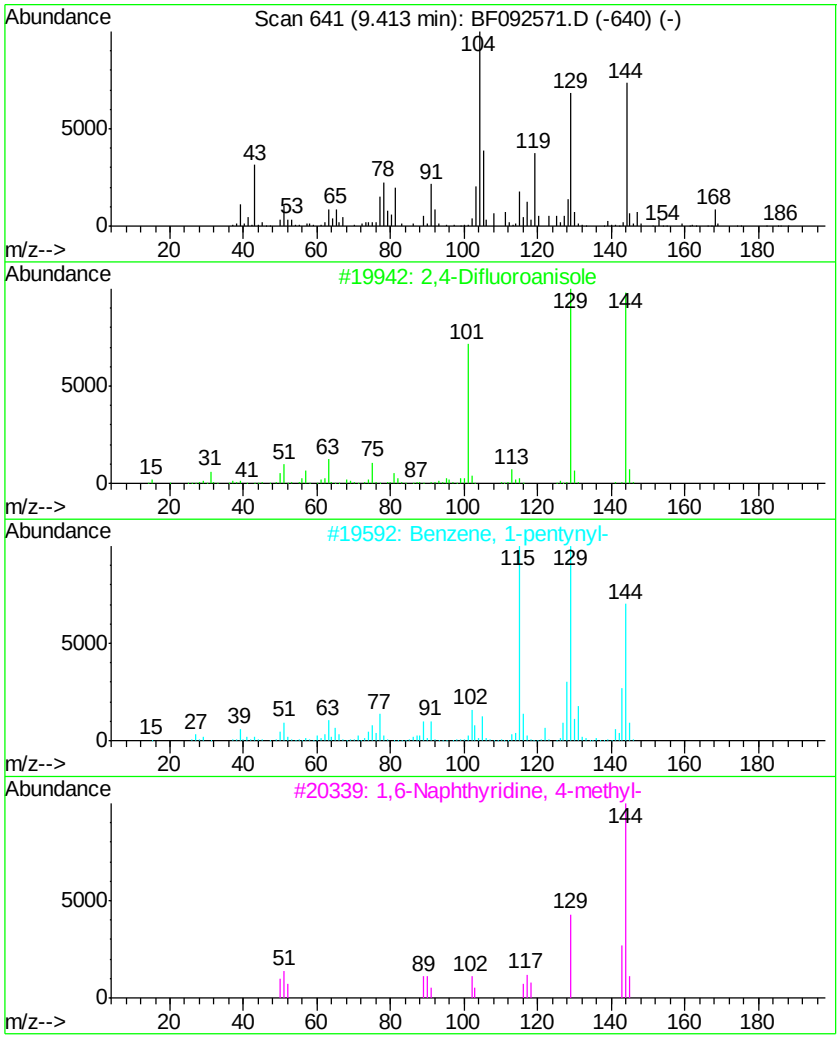
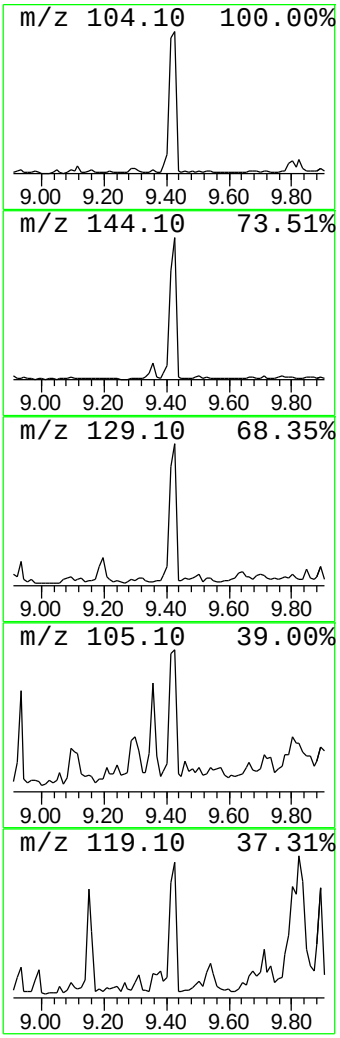
Peak Number 14 unknown9.41 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.41 | 22.89 ng | 2506400 | Acenaphthene-d10 | 10.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Difluoroanisole | 144 | C7H6F2O | 000452-10-8 | 38 |
| 2 | Benzene, 1-pentynyl- | 144 | C11H12 | 004250-81-1 | 35 |
| 3 | 1,6-Naphthyridine, 4-methyl- | 144 | C9H8N2 | 007675-30-1 | 35 |
| 4 | 1H-Indene, 1,1-dimethyl- | 144 | C11H12 | 018636-55-0 | 27 |
| 5 | 2-Azetidinone, 4-phenyl- | 147 | C9H9NO | 005661-55-2 | 27 |



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Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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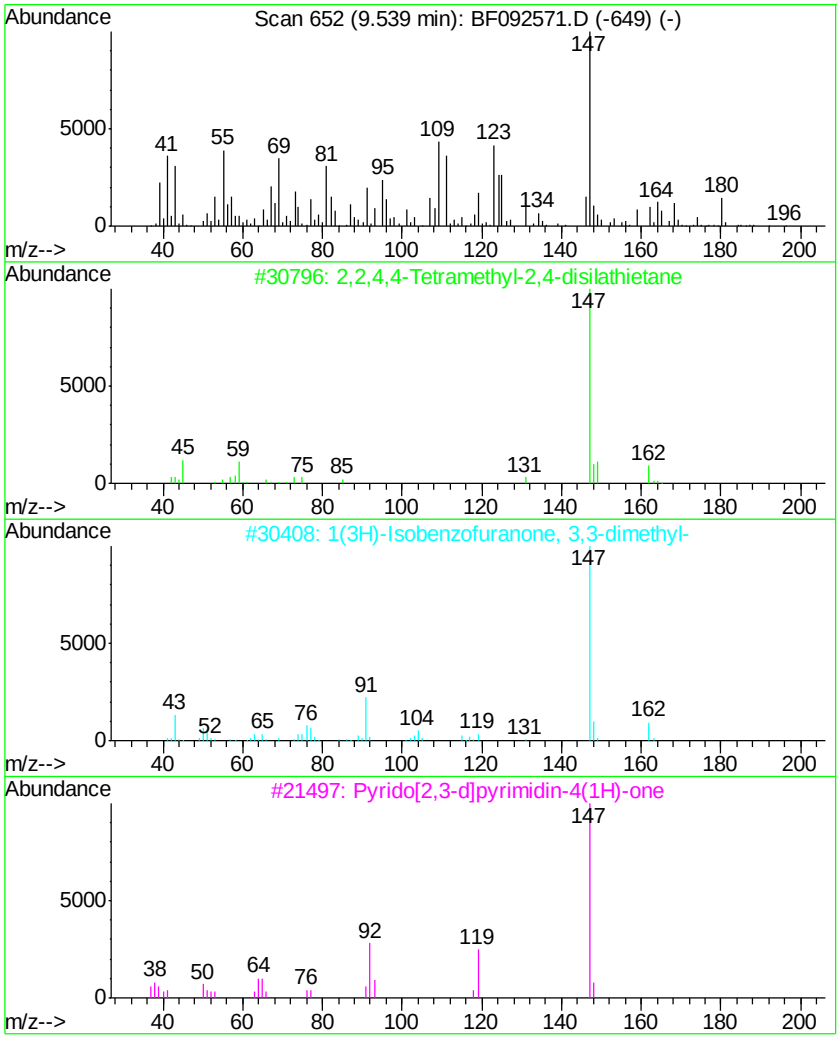
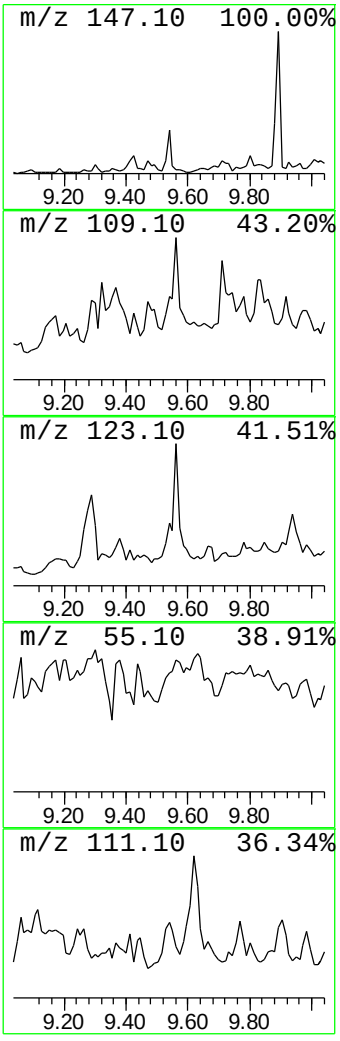
Peak Number 15 unknown9.54 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.54 | 14.48 ng | 1584830 | Acenaphthene-d10 | 10.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2,4,4-Tetramethyl-2,4-disilath... | 162 | C5H14SSi2 | 091521-58-3 | 18 |
| 2 | 1(3H)-Isobenzofuranone, 3,3-dime... | 162 | C10H10O2 | 001689-09-4 | 18 |
| 3 | Pyrido[2,3-d]pyrimidin-4(1H)-one | 147 | C7H5N3O | 024410-19-3 | 18 |
| 4 | Ethanone, 1,1'-(1,3-phenylene)bis- | 162 | C10H10O2 | 006781-42-6 | 18 |
| 5 | o-Diacetylbenzene | 162 | C10H10O2 | 000704-00-7 | 18 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
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Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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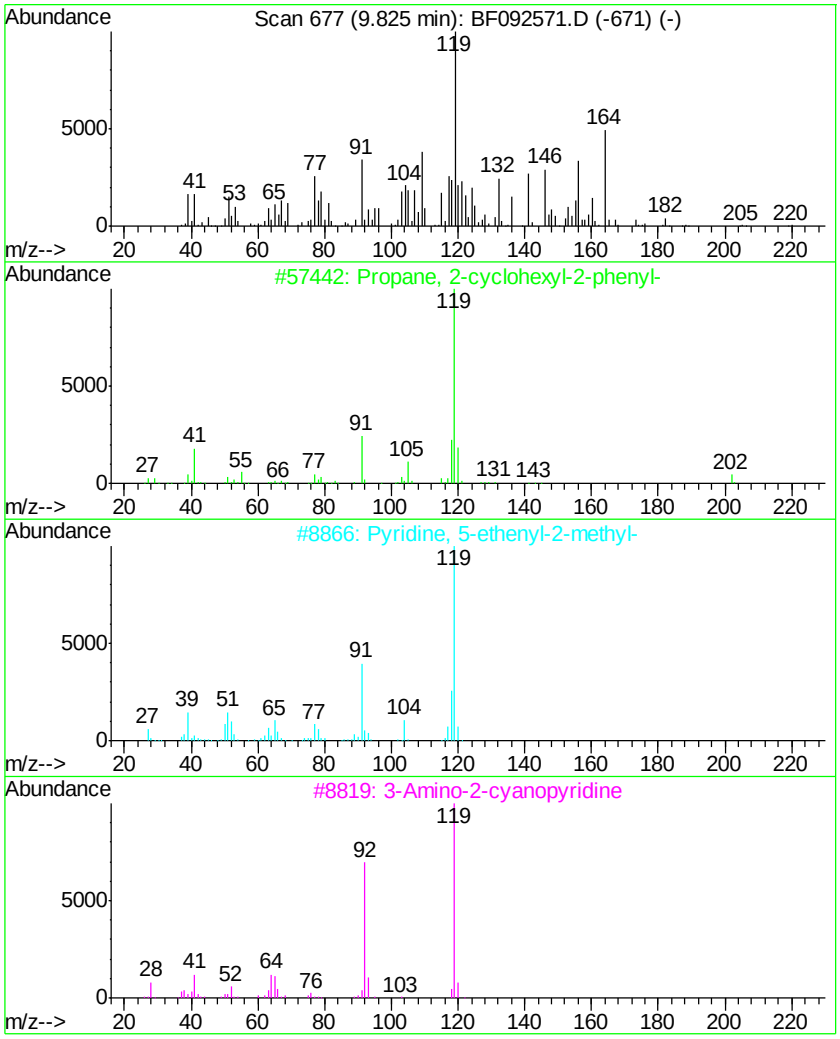
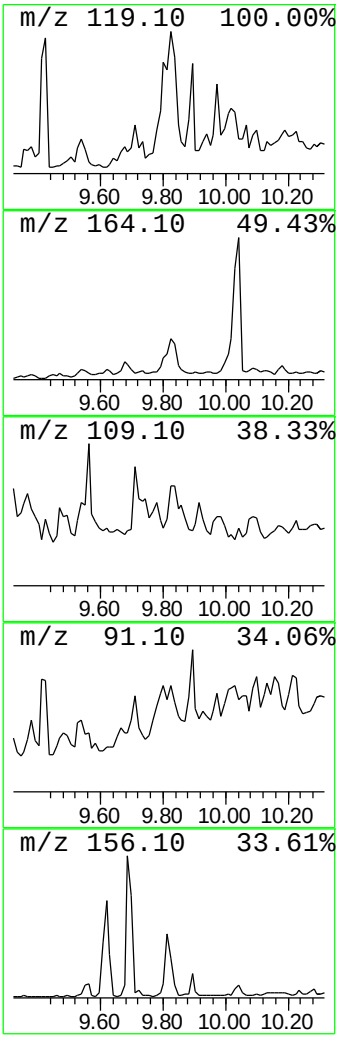
Peak Number 16 unknown9.82 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.82 | 34.38 ng | 3764460 | Acenaphthene-d10 | 10.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2-cyclohexyl-2-phenyl- | 202 | C15H22 | 025683-97-0 | 27 |
| 2 | Pyridine, 5-ethenyl-2-methyl- | 119 | C8H9N | 000140-76-1 | 25 |
| 3 | 3-Amino-2-cyanopyridine | 119 | C6H5N3 | 042242-11-5 | 14 |
| 4 | Benzene, (1,1-dimethylpropyl)- | 148 | C11H16 | 002049-95-8 | 14 |
| 5 | .alpha.-Bromomesitylene | 198 | C9H11Br | 027129-86-8 | 14 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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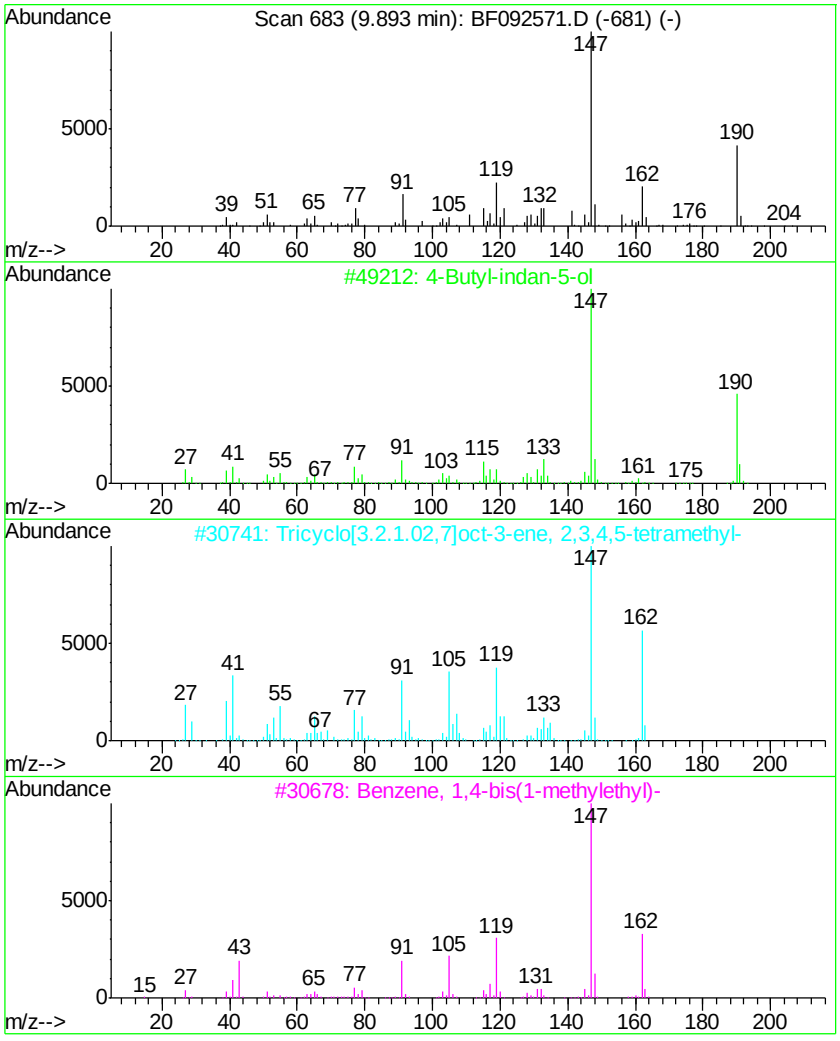
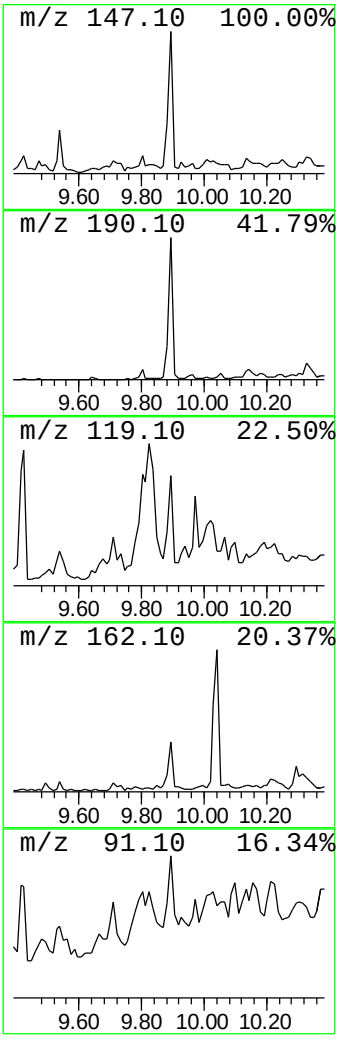
Peak Number 17 4-Butyl-indan-5-ol Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.89 | 12.46 ng | 1364570 | Acenaphthene-d10 | 10.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Butyl-indan-5-ol | 190 | C13H18O | 1000194-67-3 | 70 |
| 2 | Tricyclo[3.2.1.02,7]oct-3-ene, 2... | 162 | C12H18 | 062338-44-7 | 68 |
| 3 | Benzene, 1,4-bis(1-methylethyl)- | 162 | C12H18 | 000100-18-5 | 64 |
| 4 | Benzene, 1-(1,1-dimethylethyl)-3... | 162 | C12H18 | 000098-19-1 | 60 |
| 5 | Benzene, 1-(1,1-dimethylethyl)-3... | 162 | C12H18 | 014411-56-4 | 60 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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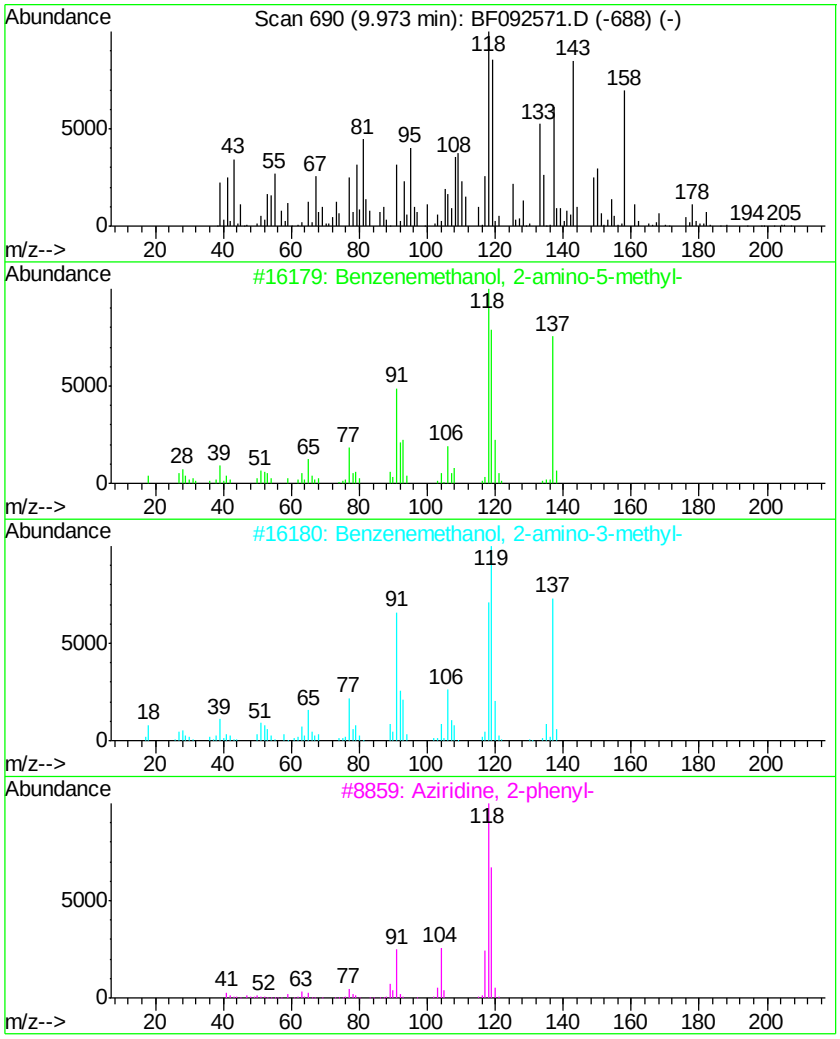
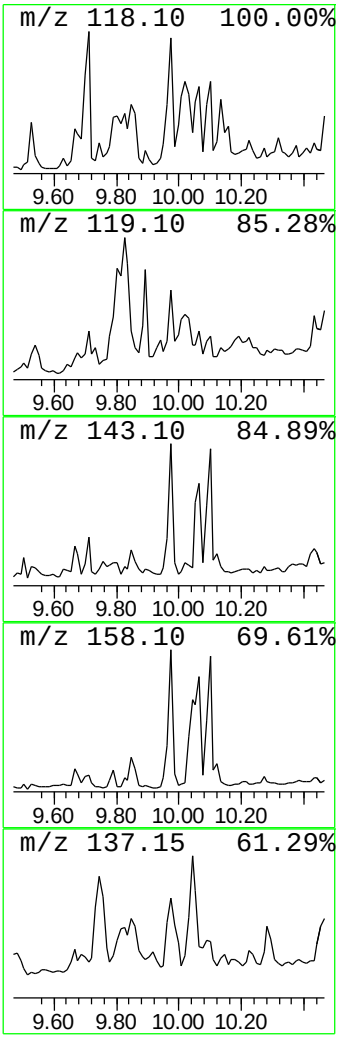
Peak Number 18 unknown9.97 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.97 | 14.19 ng | 1553410 | Acenaphthene-d10 | 10.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenemethanol, 2-amino-5-methyl- | 137 | C8H11NO | 034897-84-2 | 42 |
| 2 | Benzenemethanol, 2-amino-3-methyl- | 137 | C8H11NO | 057772-50-6 | 25 |
| 3 | Aziridine, 2-phenyl- | 119 | C8H9N | 001499-00-9 | 22 |
| 4 | 1H-Indole, 2,3-dihydro- | 119 | C8H9N | 000496-15-1 | 22 |
| 5 | 3-Cyclohexene-1-ethanol, .alpha.... | 220 | C15H24O | 055780-93-3 | 14 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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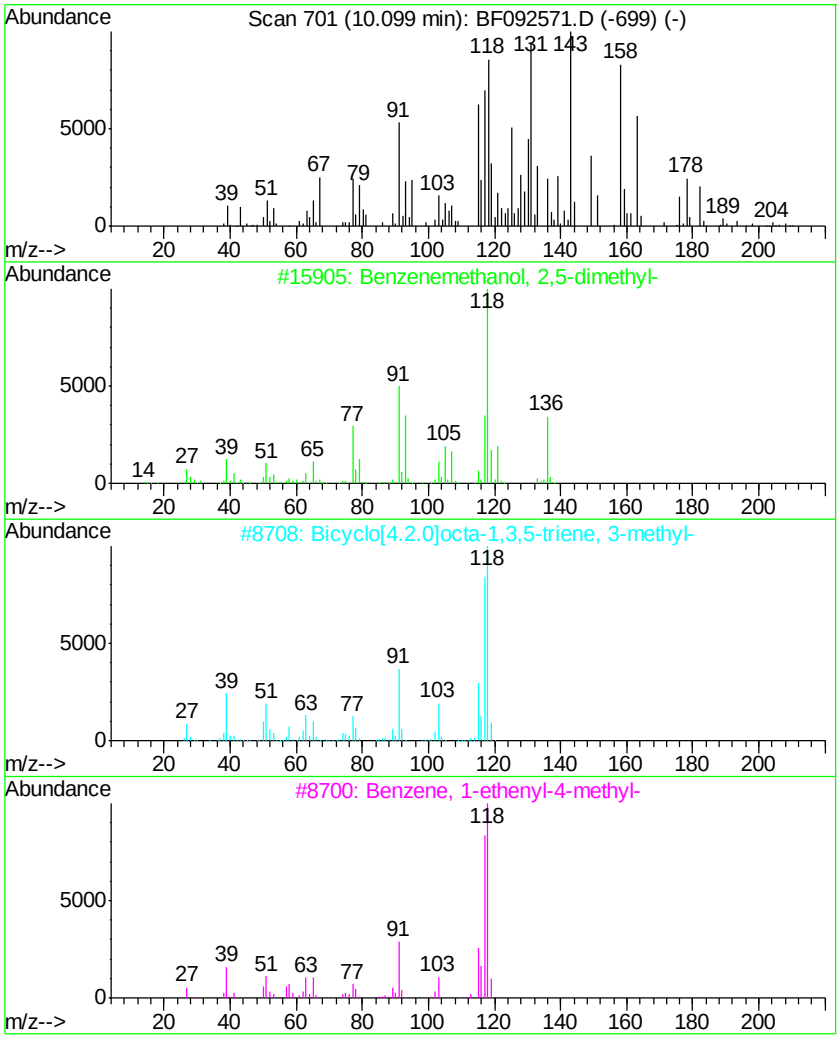
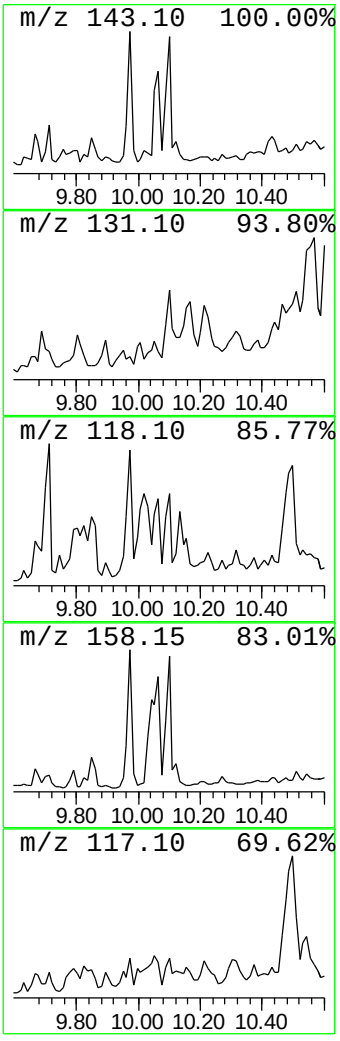
Peak Number 19 unknown10.10 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.10 | 8.70 ng | 952711 | Acenaphthene-d10 | 10.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenemethanol, 2,5-dimethyl- | 136 | C9H12O | 053957-33-8 | 25 |
| 2 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118 | C9H10 | 022250-74-4 | 15 |
| 3 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 15 |
| 4 | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10 | 000100-80-1 | 15 |
| 5 | Cyclohexene, 1-phenyl- | 158 | C12H14 | 000771-98-2 | 14 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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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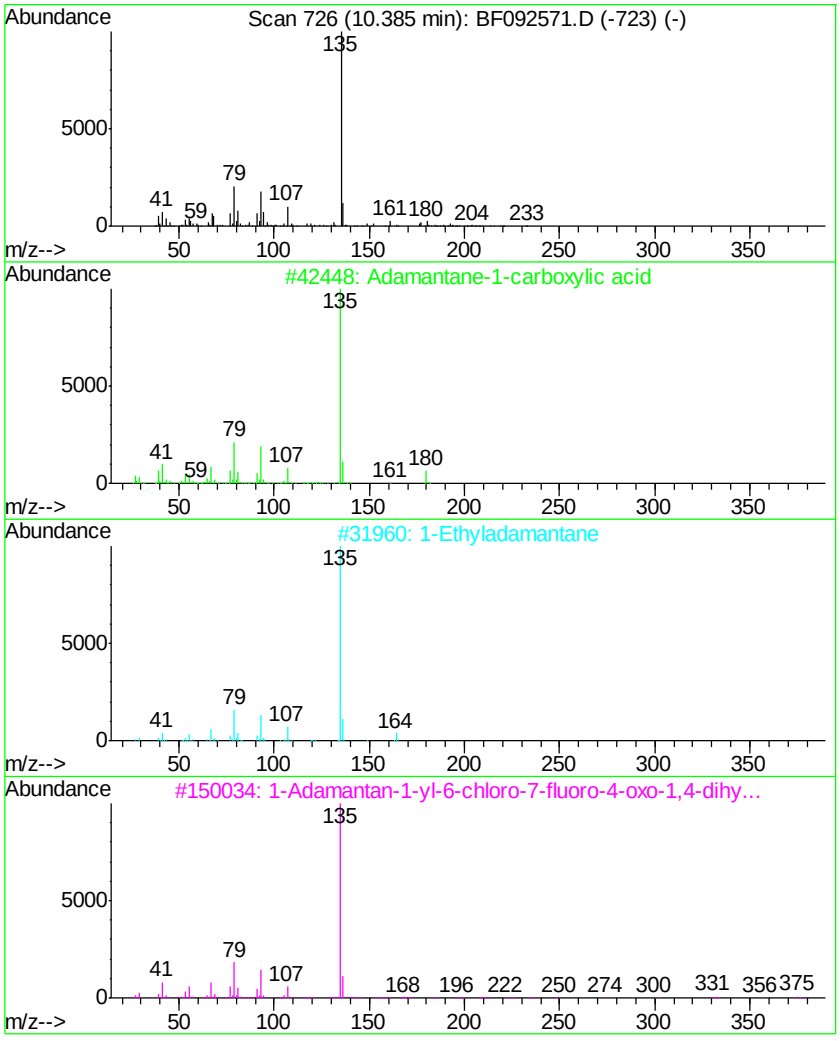
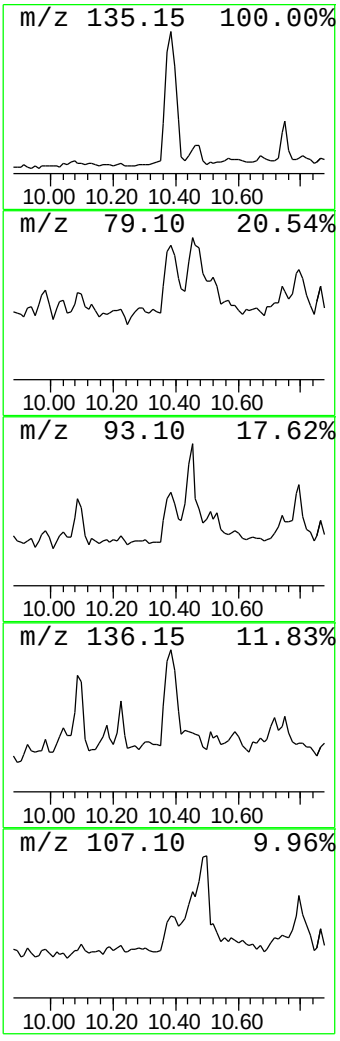
Peak Number 20 Adamantane-1-carboxylic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.38 | 17.82 ng | 1951400 | Acenaphthene-d10 | 10.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Adamantane-1-carboxylic acid | 180 | C11H16O2 | 000828-51-3 | 90 |
| 2 | 1-Ethyladamantane | 164 | C12H20 | 000770-69-4 | 87 |
| 3 | 1-Adamantan-1-yl-6-chloro-7-fluo... | 375 | C20H19ClFNO3 | 1000210-85-1 | 86 |
| 4 | 1-Adamantanecarboxlic acid chloride | 198 | C11H15ClO | 002094-72-6 | 86 |
| 5 | 1-Adamantyl bromomethyl ketone | 256 | C12H17BrO | 005122-82-7 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092571.D
Acq On : 27 Jan 2017 12:27
Operator : SJ/MA
Sample : I1353-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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 |
| 2-Pentanone, 4-hy... | 5.16 | 12.9 | ng | 708478 | 1 | 6.97 | 1094020 | 20.0 |
| unknown6.75 | 6.75 | 76.6 | ng | 4190440 | 1 | 6.97 | 1094020 | 20.0 |
| Benzene, 1,3-diet... | 7.22 | 14.2 | ng | 778423 | 1 | 6.97 | 1094020 | 20.0 |
| Benzene, 1,2-diet... | 7.31 | 26.6 | ng | 1456920 | 1 | 6.97 | 1094020 | 20.0 |
| unknown7.41 | 7.41 | 14.7 | ng | 804685 | 1 | 6.97 | 1094020 | 20.0 |
| Benzene, 1-ethyl-... | 7.62 | 14.6 | ng | 798975 | 1 | 6.97 | 1094020 | 20.0 |
| 1H-Indene, 2,3-di... | 7.94 | 7.3 | ng | 2096640 | 2 | 8.27 | 5709650 | 20.0 |
| Naphthalene, 1,2,... | 8.46 | 9.8 | ng | 2808740 | 2 | 8.27 | 5709650 | 20.0 |
| unknown8.73 | 8.73 | 9.8 | ng | 2788250 | 2 | 8.27 | 5709650 | 20.0 |
| Naphthalene, 1,2,... | 8.93 | 11.4 | ng | 3263560 | 2 | 8.27 | 5709650 | 20.0 |
| unknown9.16 | 9.16 | 17.5 | ng | 1920500 | 3 | 10.04 | 2189620 | 20.0 |
| unknown9.30 | 9.30 | 22.1 | ng | 2415750 | 3 | 10.04 | 2189620 | 20.0 |
| unknown9.41 | 9.41 | 22.9 | ng | 2506400 | 3 | 10.04 | 2189620 | 20.0 |
| unknown9.54 | 9.54 | 14.5 | ng | 1584830 | 3 | 10.04 | 2189620 | 20.0 |
| unknown9.82 | 9.82 | 34.4 | ng | 3764460 | 3 | 10.04 | 2189620 | 20.0 |
| 4-Butyl-indan-5-ol | 9.89 | 12.5 | ng | 1364570 | 3 | 10.04 | 2189620 | 20.0 |
| unknown9.97 | 9.97 | 14.2 | ng | 1553410 | 3 | 10.04 | 2189620 | 20.0 |
| unknown10.10 | 10.10 | 8.7 | ng | 952711 | 3 | 10.04 | 2189620 | 20.0 |
| Adamantane-1-carb... | 10.38 | 17.8 | ng | 1951400 | 3 | 10.04 | 2189620 | 20.0 |