LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

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-BF061715.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 | 3.567 | 38 | 42 | 45 | rBV | 448521 | 764914 | 54.83% | 3.820% |
| 2 | 3.898 | 69 | 71 | 75 | rBV | 14144 | 20424 | 1.46% | 0.102% |
| 3 | 4.173 | 92 | 95 | 98 | rBV | 213527 | 286656 | 20.55% | 1.431% |
| 4 | 4.470 | 118 | 121 | 124 | rVB | 275149 | 322736 | 23.13% | 1.612% |
| 5 | 4.767 | 145 | 147 | 151 | rBV3 | 15634 | 32615 | 2.34% | 0.163% |
| 6 | 5.178 | 181 | 183 | 186 | rBV | 284903 | 280835 | 20.13% | 1.402% |
| 7 | 5.327 | 193 | 196 | 198 | rBV | 484777 | 442746 | 31.73% | 2.211% |
| 8 | 5.510 | 210 | 212 | 214 | rBV | 52876 | 50238 | 3.60% | 0.251% |
| 9 | 5.693 | 225 | 228 | 230 | rVV | 602719 | 719816 | 51.59% | 3.594% |
| 10 | 5.784 | 234 | 236 | 239 | rVB | 21058 | 29155 | 2.09% | 0.146% |
| 11 | 5.899 | 242 | 246 | 248 | rBV2 | 310434 | 538848 | 38.62% | 2.691% |
| 12 | 5.956 | 248 | 251 | 253 | rVB | 172003 | 266804 | 19.12% | 1.332% |
| 13 | 6.093 | 260 | 263 | 266 | rBV | 46297 | 62632 | 4.49% | 0.313% |
| 14 | 6.219 | 271 | 274 | 276 | rVV | 257741 | 234022 | 16.77% | 1.169% |
| 15 | 6.321 | 279 | 283 | 288 | rVB2 | 42788 | 84777 | 6.08% | 0.423% |
| 16 | 6.413 | 288 | 291 | 293 | rBV2 | 73911 | 87479 | 6.27% | 0.437% |
| 17 | 6.493 | 294 | 298 | 299 | rVB2 | 28760 | 46898 | 3.36% | 0.234% |
| 18 | 6.664 | 311 | 313 | 315 | rBV | 39462 | 33017 | 2.37% | 0.165% |
| 19 | 6.756 | 319 | 321 | 323 | rVB | 34915 | 30991 | 2.22% | 0.155% |
| 20 | 6.870 | 328 | 331 | 332 | rBV | 125267 | 113772 | 8.15% | 0.568% |
| 21 | 6.893 | 332 | 333 | 336 | rVB | 239008 | 335300 | 24.03% | 1.674% |
| 22 | 6.984 | 339 | 341 | 343 | rVB | 60281 | 53126 | 3.81% | 0.265% |
| 23 | 7.064 | 345 | 348 | 350 | rBV | 813833 | 834302 | 59.80% | 4.166% |
| 24 | 7.122 | 350 | 353 | 356 | rVB2 | 241689 | 251841 | 18.05% | 1.258% |
| 25 | 7.259 | 360 | 365 | 366 | rBV2 | 35603 | 54410 | 3.90% | 0.272% |
| 26 | 7.293 | 366 | 368 | 370 | rVB | 235682 | 208893 | 14.97% | 1.043% |
| 27 | 7.350 | 370 | 373 | 376 | rVB | 69190 | 79200 | 5.68% | 0.395% |
| 28 | 7.407 | 376 | 378 | 380 | rBV | 21256 | 30067 | 2.16% | 0.150% |
| 29 | 7.453 | 380 | 382 | 384 | rBV | 937917 | 855681 | 61.33% | 4.273% |
| 30 | 7.510 | 386 | 387 | 388 | rBV | 39347 | 39053 | 2.80% | 0.195% |
| 31 | 7.533 | 388 | 389 | 391 | rVB2 | 23002 | 29153 | 2.09% | 0.146% |
| 32 | 7.567 | 391 | 392 | 394 | rVB | 34137 | 26008 | 1.86% | 0.130% |
| 33 | 7.636 | 394 | 398 | 401 | rBV2 | 139312 | 230362 | 16.51% | 1.150% |
| 34 | 7.682 | 401 | 402 | 405 | rVB2 | 82286 | 79886 | 5.73% | 0.399% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

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-BF061715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 7.762 | 407 | 409 | 413 | rBV2 | 168247 | 233762 | 16.75% | 1.167% |
| 36 | 7.853 | 413 | 417 | 422 | rVB2 | 734963 | 834731 | 59.83% | 4.168% |
| 37 | 7.922 | 422 | 423 | 426 | rBV | 83424 | 124284 | 8.91% | 0.621% |
| 38 | 7.967 | 426 | 427 | 431 | rVB3 | 35988 | 67996 | 4.87% | 0.340% |
| 39 | 8.070 | 434 | 436 | 437 | rBV | 72219 | 98913 | 7.09% | 0.494% |
| 40 | 8.093 | 437 | 438 | 442 | rVB2 | 112716 | 114462 | 8.20% | 0.572% |
| 41 | 8.173 | 442 | 445 | 447 | rBV4 | 22165 | 33990 | 2.44% | 0.170% |
| 42 | 8.230 | 447 | 450 | 451 | rBV | 69435 | 95922 | 6.88% | 0.479% |
| 43 | 8.253 | 451 | 452 | 455 | rVB2 | 78340 | 77165 | 5.53% | 0.385% |
| 44 | 8.322 | 456 | 458 | 460 | rBV | 350463 | 372497 | 26.70% | 1.860% |
| 45 | 8.425 | 465 | 467 | 468 | rVB | 48861 | 42167 | 3.02% | 0.211% |
| 46 | 8.493 | 470 | 473 | 474 | rBV2 | 20790 | 38323 | 2.75% | 0.191% |
| 47 | 8.585 | 477 | 481 | 482 | rVV2 | 297159 | 386866 | 27.73% | 1.932% |
| 48 | 8.607 | 482 | 483 | 484 | rVV | 511667 | 387294 | 27.76% | 1.934% |
| 49 | 8.665 | 486 | 488 | 491 | rVB | 55480 | 58045 | 4.16% | 0.290% |
| 50 | 8.756 | 493 | 496 | 497 | rBV3 | 16038 | 24411 | 1.75% | 0.122% |
| 51 | 8.790 | 497 | 499 | 501 | rVB3 | 17836 | 29662 | 2.13% | 0.148% |
| 52 | 8.870 | 501 | 506 | 508 | rBV3 | 33823 | 68954 | 4.94% | 0.344% |
| 53 | 8.916 | 508 | 510 | 513 | rBV2 | 47554 | 68999 | 4.95% | 0.345% |
| 54 | 8.973 | 513 | 515 | 517 | rVB | 101676 | 92469 | 6.63% | 0.462% |
| 55 | 9.053 | 520 | 522 | 524 | rBV2 | 96950 | 134975 | 9.67% | 0.674% |
| 56 | 9.087 | 524 | 525 | 528 | rVB2 | 40255 | 51343 | 3.68% | 0.256% |
| 57 | 9.145 | 528 | 530 | 531 | rBV2 | 33648 | 46340 | 3.32% | 0.231% |
| 58 | 9.179 | 531 | 533 | 535 | rVB | 77347 | 65551 | 4.70% | 0.327% |
| 59 | 9.259 | 537 | 540 | 542 | rBV2 | 83899 | 103533 | 7.42% | 0.517% |
| 60 | 9.305 | 542 | 544 | 546 | rVV | 720590 | 555846 | 39.84% | 2.776% |
| 61 | 9.362 | 546 | 549 | 550 | rVV | 236680 | 299460 | 21.46% | 1.495% |
| 62 | 9.407 | 550 | 553 | 555 | rVV | 1013044 | 920713 | 65.99% | 4.597% |
| 63 | 9.499 | 559 | 561 | 562 | rBV2 | 23581 | 33618 | 2.41% | 0.168% |
| 64 | 9.533 | 562 | 564 | 565 | rVB2 | 19703 | 24579 | 1.76% | 0.123% |
| 65 | 9.590 | 567 | 569 | 571 | rBV2 | 23764 | 24423 | 1.75% | 0.122% |
| 66 | 9.659 | 573 | 575 | 578 | rVB | 1207059 | 1163741 | 83.41% | 5.811% |
| 67 | 9.716 | 578 | 580 | 583 | rBV | 25679 | 38490 | 2.76% | 0.192% |
| 68 | 9.762 | 583 | 584 | 586 | rVB2 | 25008 | 27967 | 2.00% | 0.140% |
| 69 | 9.808 | 586 | 588 | 590 | rBV2 | 122558 | 114203 | 8.19% | 0.570% |
| 70 | 9.876 | 590 | 594 | 597 | rBV3 | 61565 | 163939 | 11.75% | 0.819% |
| 71 | 9.933 | 597 | 599 | 602 | rVV | 154174 | 215447 | 15.44% | 1.076% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

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-BF061715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.013 | 604 | 606 | 607 | rBV | 206950 | 280866 | 20.13% | 1.402% |
| 73 | 10.036 | 607 | 608 | 612 | rVB2 | 271025 | 255814 | 18.34% | 1.277% |
| 74 | 10.128 | 614 | 616 | 619 | rBV | 135514 | 172276 | 12.35% | 0.860% |
| 75 | 10.219 | 621 | 624 | 625 | rBV | 61932 | 84306 | 6.04% | 0.421% |
| 76 | 10.333 | 632 | 634 | 635 | rBV | 31759 | 43457 | 3.11% | 0.217% |
| 77 | 10.356 | 635 | 636 | 638 | rVV | 341763 | 295706 | 21.19% | 1.477% |
| 78 | 10.390 | 638 | 639 | 640 | rVV | 61552 | 42738 | 3.06% | 0.213% |
| 79 | 10.459 | 643 | 645 | 647 | rBV | 13148 | 20493 | 1.47% | 0.102% |
| 80 | 10.562 | 651 | 654 | 656 | rVV | 43656 | 56378 | 4.04% | 0.282% |
| 81 | 10.596 | 656 | 657 | 659 | rVV2 | 39109 | 38603 | 2.77% | 0.193% |
| 82 | 10.676 | 662 | 664 | 665 | rBV | 41279 | 45303 | 3.25% | 0.226% |
| 83 | 10.699 | 665 | 666 | 668 | rBV2 | 18565 | 19915 | 1.43% | 0.099% |
| 84 | 10.905 | 681 | 684 | 687 | rBV | 45460 | 77364 | 5.55% | 0.386% |
| 85 | 10.985 | 688 | 691 | 693 | rVV | 36972 | 57415 | 4.12% | 0.287% |
| 86 | 11.065 | 697 | 698 | 703 | rVB | 55637 | 49866 | 3.57% | 0.249% |
| 87 | 11.156 | 703 | 706 | 708 | rBV | 566986 | 696531 | 49.92% | 3.478% |
| 88 | 11.213 | 708 | 711 | 713 | rVV | 84638 | 101946 | 7.31% | 0.509% |
| 89 | 11.351 | 721 | 723 | 725 | rBV3 | 25621 | 24895 | 1.78% | 0.124% |
| 90 | 11.499 | 734 | 736 | 739 | rVB3 | 18132 | 31000 | 2.22% | 0.155% |
| 91 | 11.865 | 765 | 768 | 769 | rBV | 307750 | 327833 | 23.50% | 1.637% |
| 92 | 12.379 | 811 | 813 | 814 | rBV | 45799 | 57326 | 4.11% | 0.286% |
| 93 | 12.425 | 815 | 817 | 820 | rVB2 | 86168 | 96339 | 6.91% | 0.481% |
| 94 | 13.545 | 912 | 915 | 917 | rBV | 1209504 | 1395180 | 100.00% | 6.967% |
| 95 | 14.597 | 1005 | 1007 | 1012 | rBV | 88402 | 131273 | 9.41% | 0.655% |
| 96 | 14.814 | 1024 | 1026 | 1028 | rVB | 312099 | 337797 | 24.21% | 1.687% |
| 97 | 16.688 | 1187 | 1190 | 1194 | rBV | 248246 | 354639 | 25.42% | 1.771% |
| 98 | 17.363 | 1247 | 1249 | 1255 | rBV7 | 7032 | 21963 | 1.57% | 0.110% |
| 99 | 17.991 | 1301 | 1304 | 1314 | rVB2 | 32047 | 92484 | 6.63% | 0.462% |
| 100 | 19.843 | 1463 | 1466 | 1472 | rVB6 | 9251 | 25093 | 1.80% | 0.125% |

Sum of corrected areas: 20026536

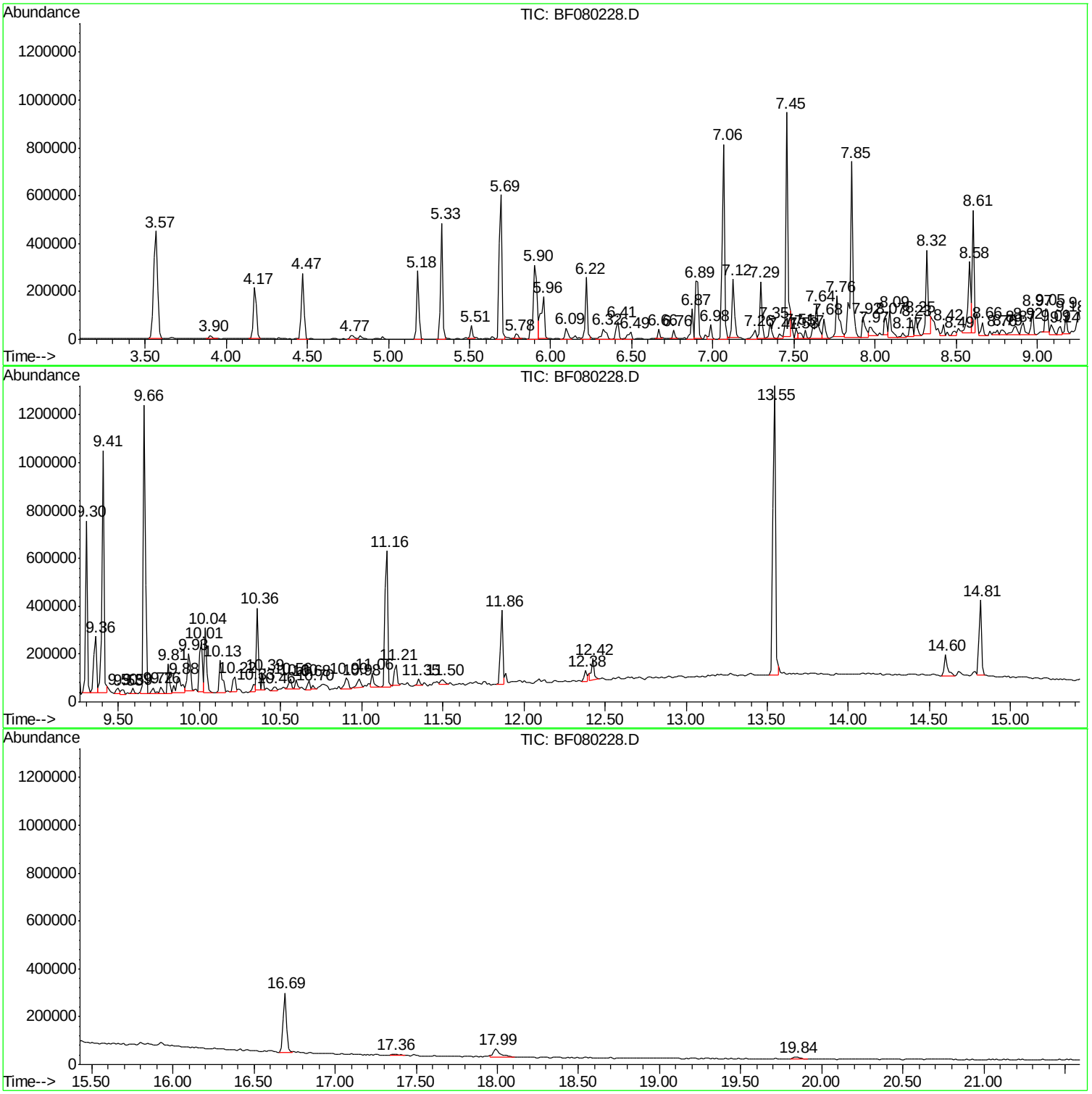
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.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\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

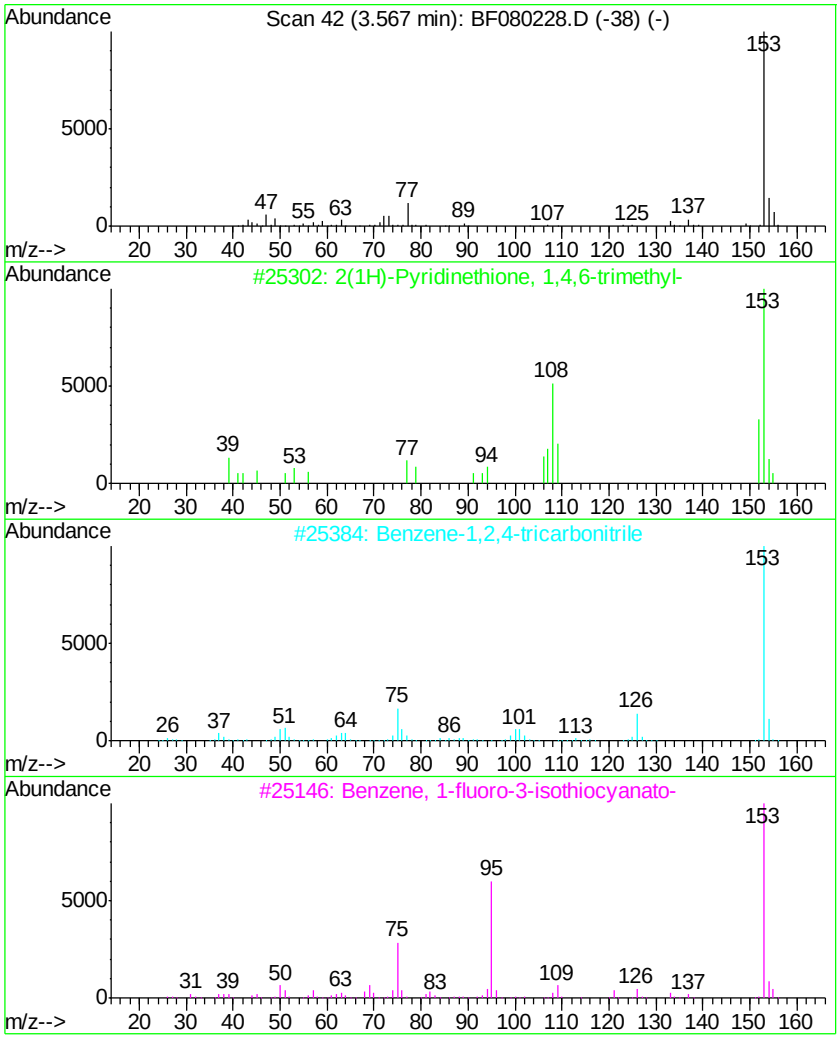
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

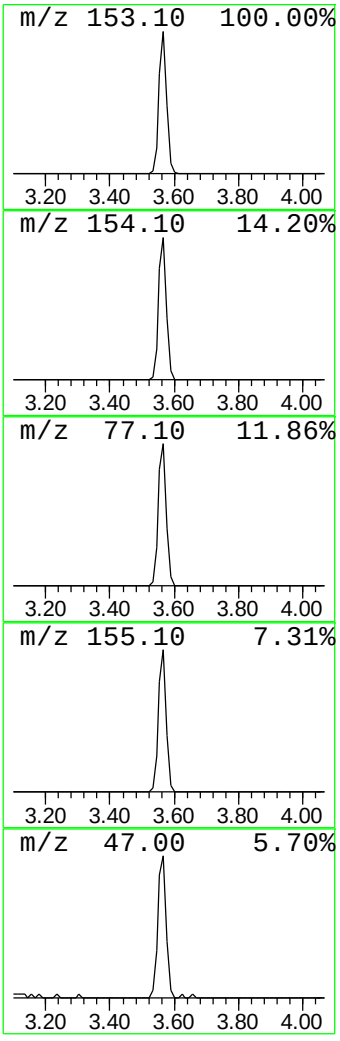
**********

Peak Number 1 2(1H)-Pyridinethione, 1,4,6... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.57 | 73.24 ng | 764914 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(1H)-Pyridinethione, 1,4,6-trim... | 153 | C8H11NS | 019006-70-3 | 50 |
| 2 | Benzene-1,2,4-tricarbonitrile | 153 | C9H3N3 | 010347-14-5 | 42 |
| 3 | Benzene, 1-fluoro-3-isothiocyanato- | 153 | C7H4FNS | 000404-72-8 | 38 |
| 4 | 2-Fluorophenyl isothiocyanate | 153 | C7H4FNS | 038985-64-7 | 9 |
| 5 | Benzoxazole, 2-chloro- | 153 | C7H4ClNO | 000615-18-9 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

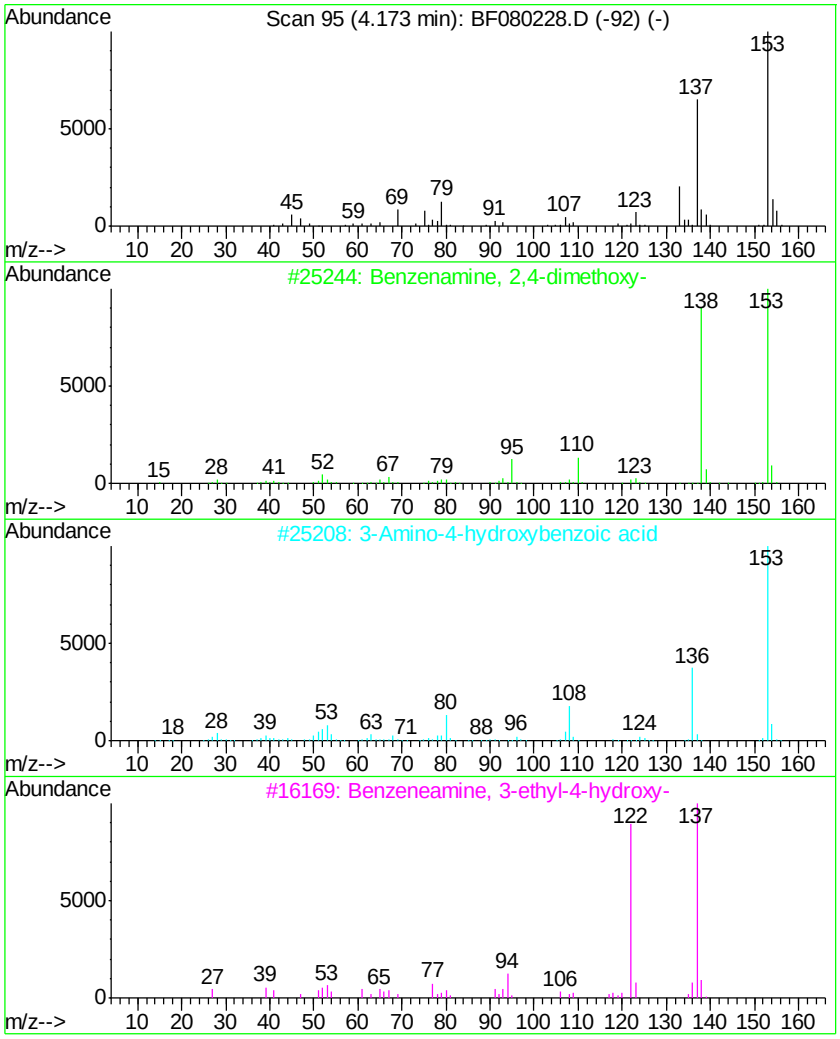
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

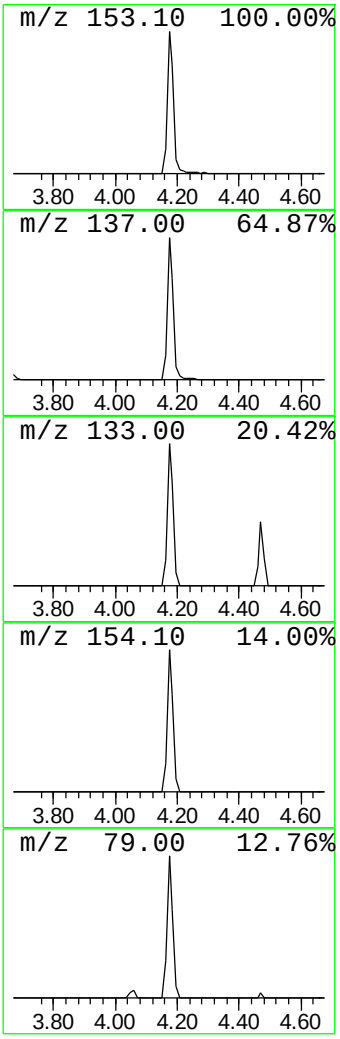
**********

Peak Number 2 unknown4.17 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.17 | 27.45 ng | 286656 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenamine, 2,4-dimethoxy- | 153 | C8H11NO2 | 002735-04-8 | 43 |
| 2 | 3-Amino-4-hydroxybenzoic acid | 153 | C7H7NO3 | 001571-72-8 | 25 |
| 3 | Benzeneamine, 3-ethyl-4-hydroxy- | 137 | C8H11NO | 178698-88-9 | 10 |
| 4 | Pyridine, 3-(propylthio)- | 153 | C8H11NS | 026891-62-3 | 9 |
| 5 | 1,3-Benzodioxol-5-amine | 137 | C7H7NO2 | 014268-66-7 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

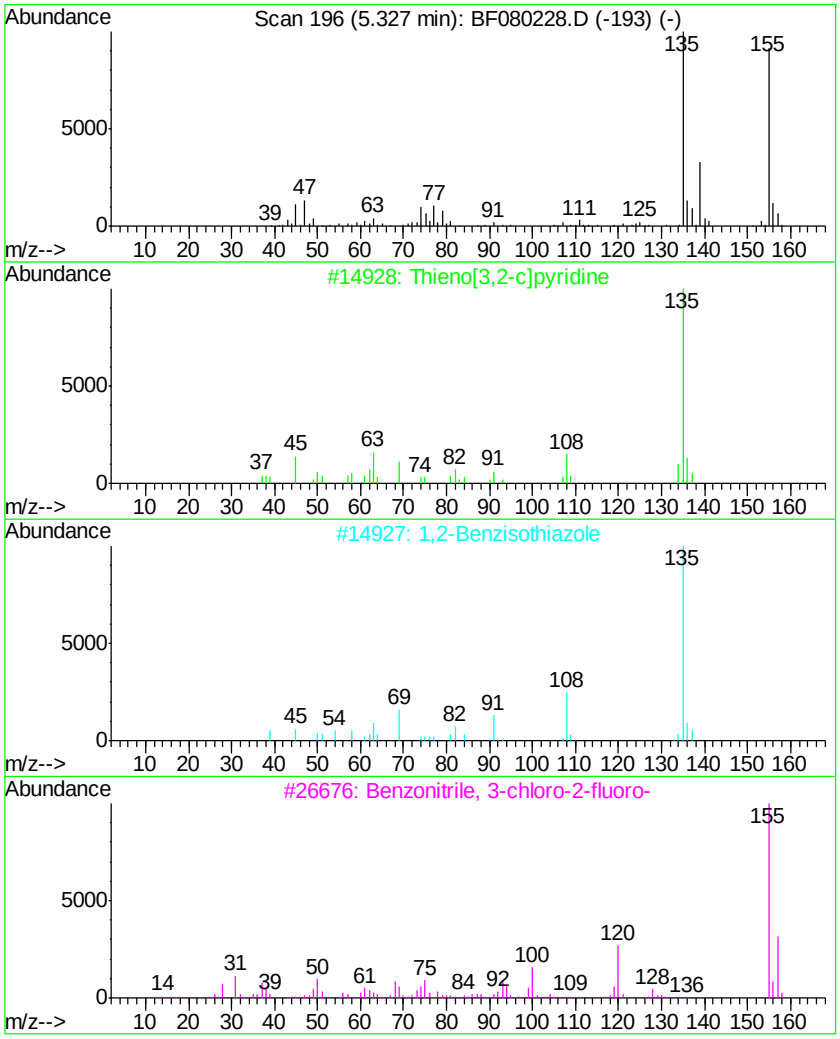
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

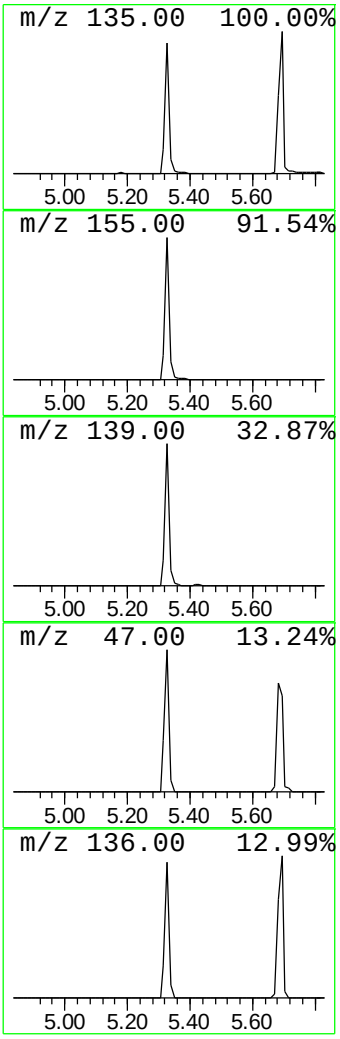
**********

Peak Number 5 unknown5.33 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.33 | 42.39 ng | 442746 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thieno[3,2-c]pyridine | 135 | C7H5NS | 000272-14-0 | 38 |
| 2 | 1,2-Benzisothiazole | 135 | C7H5NS | 000272-16-2 | 30 |
| 3 | Benzonitrile, 3-chloro-2-fluoro- | 155 | C7H3ClFN | 094087-40-8 | 30 |
| 4 | Benzene, isothiocyanato- | 135 | C7H5NS | 000103-72-0 | 27 |
| 5 | 1,3,5-Triazin-2(1H)-one, 4,6-bis... | 155 | C5H9N5O | 055702-52-8 | 22 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

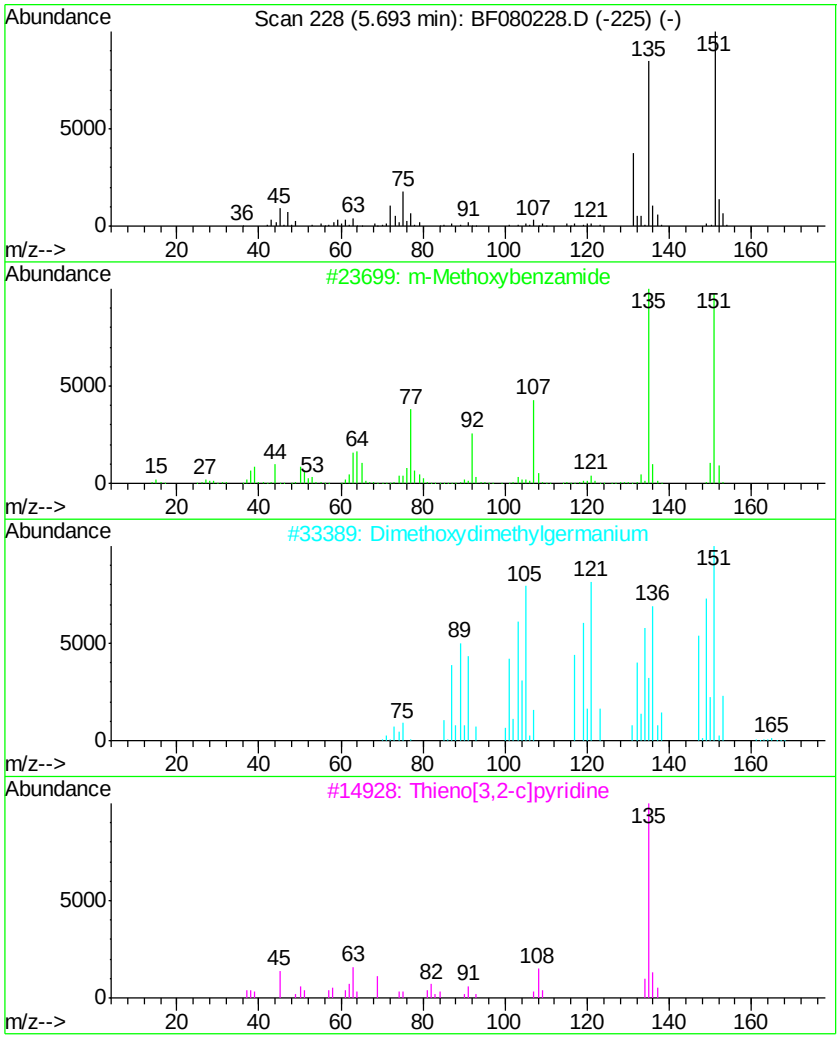
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

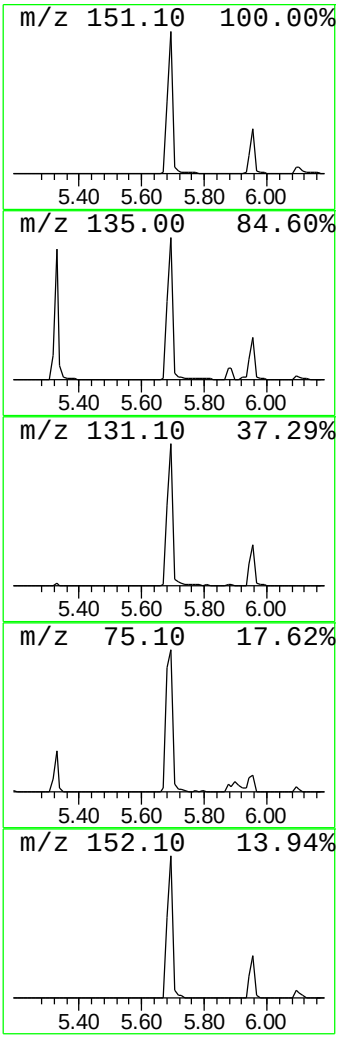
**********

Peak Number 6 m-Methoxybenzamide Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.69 | 68.92 ng | 719816 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | m-Methoxybenzamide | 151 | C8H9NO2 | 005813-86-5 | 64 |
| 2 | Dimethoxydimethylgermanium | 166 | C4H12GeO2 | 004531-27-5 | 30 |
| 3 | Thieno[3,2-c]pyridine | 135 | C7H5NS | 000272-14-0 | 30 |
| 4 | p-Toluthioamide | 151 | C8H9NS | 002362-62-1 | 28 |
| 5 | Trichloroacetic acid, 1-adamanty... | 310 | C13H17Cl3O2 | 1000282-92-0 | 27 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

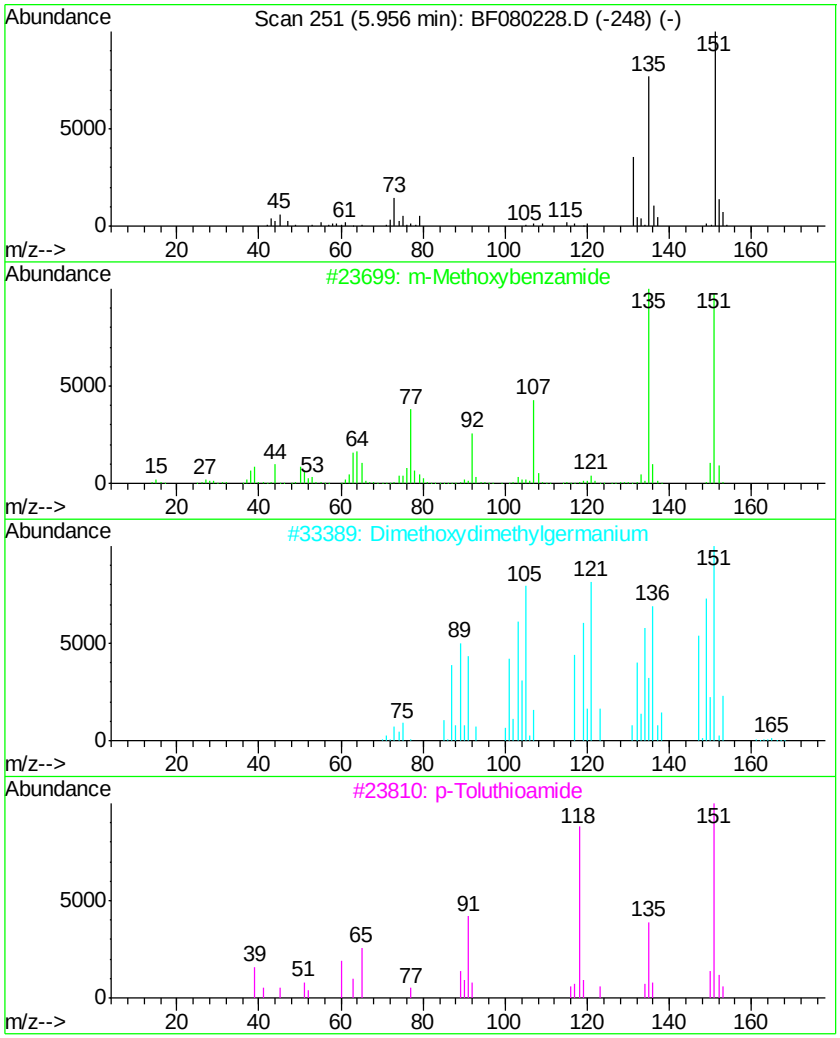
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

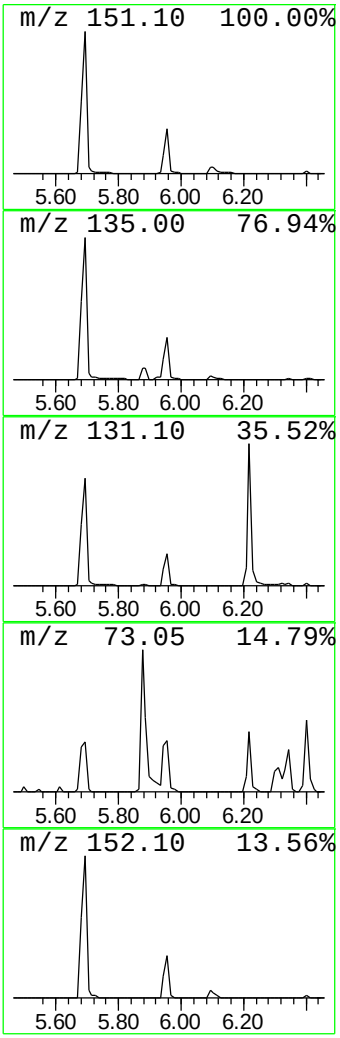
**********

Peak Number 7 unknown5.96 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.96 | 25.54 ng | 266804 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | m-Methoxybenzamide | 151 | C8H9NO2 | 005813-86-5 | 64 |
| 2 | Dimethoxydimethylgermanium | 166 | C4H12GeO2 | 004531-27-5 | 38 |
| 3 | p-Toluthioamide | 151 | C8H9NS | 002362-62-1 | 28 |
| 4 | 1-(1,2,3,4-Tetrahydro-naphthalen... | 266 | C20H26 | 1000278-20-4 | 23 |
| 5 | Guanosine | 283 | C10H13N5O5 | 000118-00-3 | 17 |



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Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

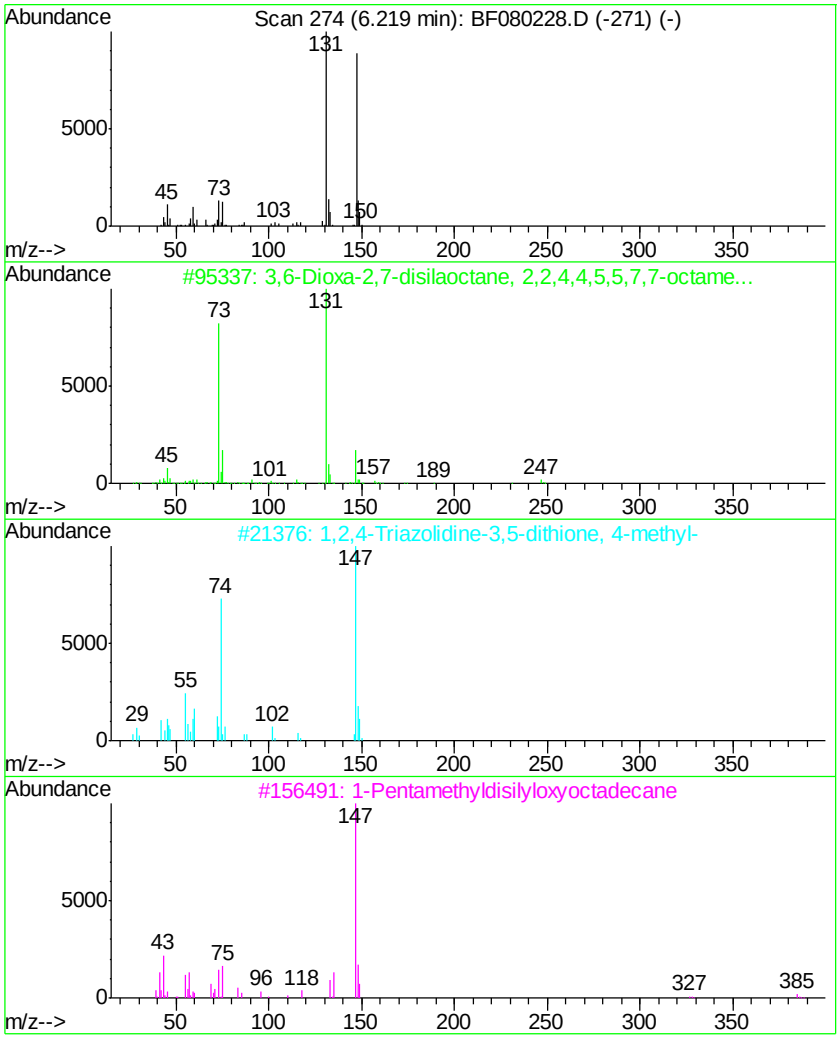
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

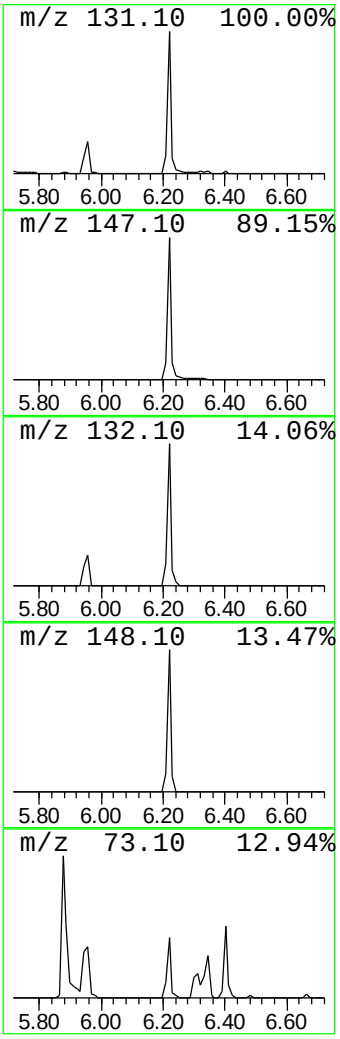
**********

Peak Number 8 unknown6.22 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.22 | 22.41 ng | 234022 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,6-Dioxa-2,7-disilaoctane, 2,2,... | 262 | C12H30O2Si2 | 006730-96-7 | 47 |
| 2 | 1,2,4-Triazolidine-3,5-dithione,... | 147 | C3H5N3S2 | 013625-51-9 | 43 |
| 3 | 1-Pentamethyldisilyloxyoctadecane | 400 | C23H52OSi2 | 1000216-95-3 | 43 |
| 4 | Dimethyl(trimethylsilyl)methoxys... | 162 | C6H18OSi2 | 018107-29-4 | 38 |
| 5 | 1-Pentamethyldisilyloxy-3-phenyl... | 264 | C14H24OSi2 | 1000216-94-9 | 38 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

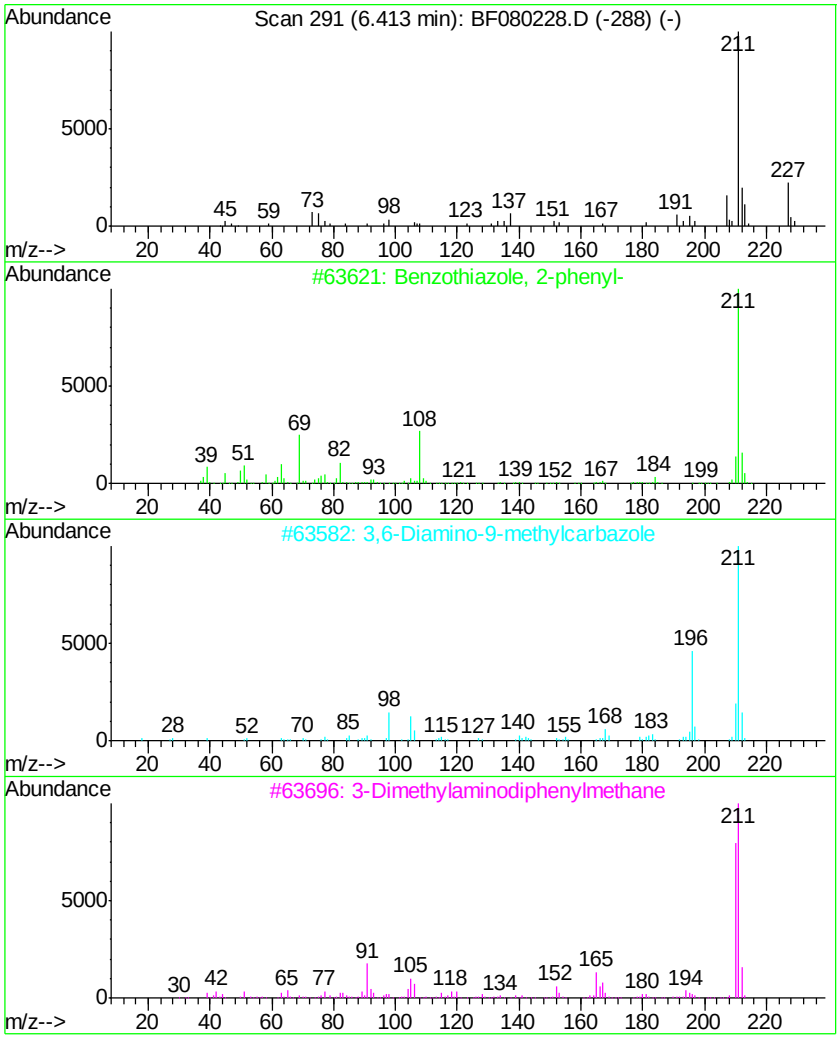
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

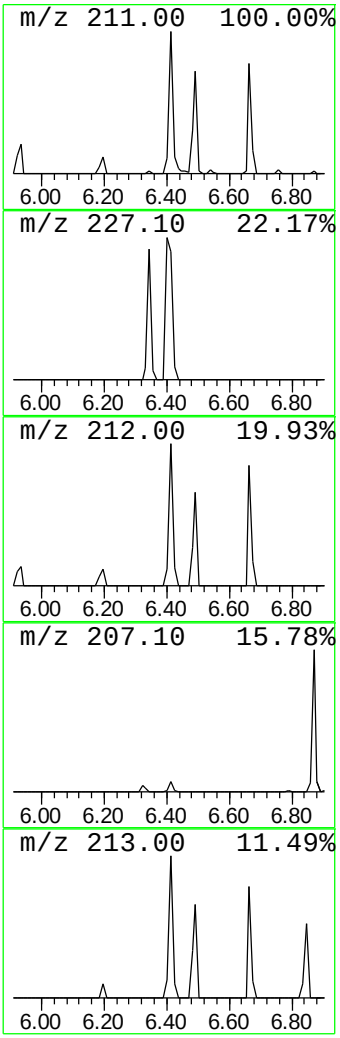
**********

Peak Number 9 Benzothiazole, 2-phenyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.41 | 8.38 ng | 87479 | 1,4-Dichlorobenzene-d4 | 7.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzothiazole, 2-phenyl- | 211 | C13H9NS | 000883-93-2 | 52 |
| 2 | 3,6-Diamino-9-methylcarbazole | 211 | C13H13N3 | 046498-17-3 | 40 |
| 3 | 3-Dimethylaminodiphenylmethane | 211 | C15H17N | 094026-72-9 | 40 |
| 4 | [1,1'-Biphenyl]-2-ol, 5-(1,1-dim... | 226 | C16H18O | 000577-92-4 | 33 |
| 5 | Cyclohexene, 3,3,5,5-tetramethyl... | 226 | C13H26OSi | 143586-27-0 | 25 |



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Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

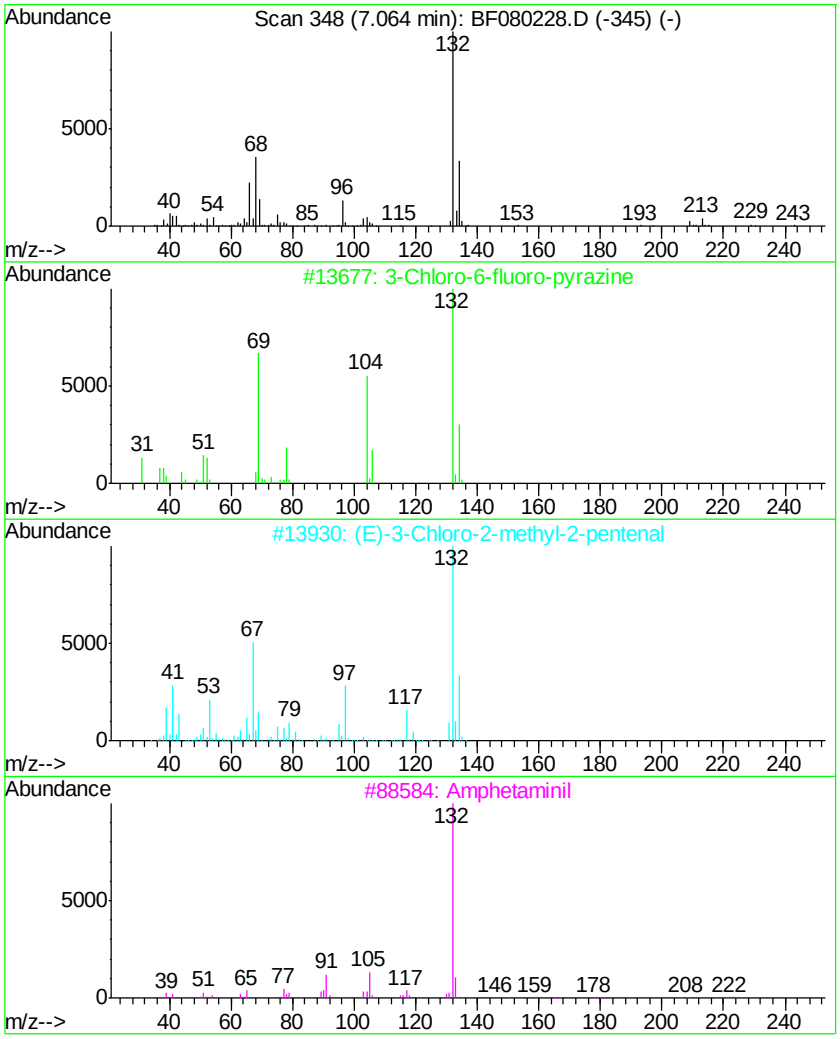
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

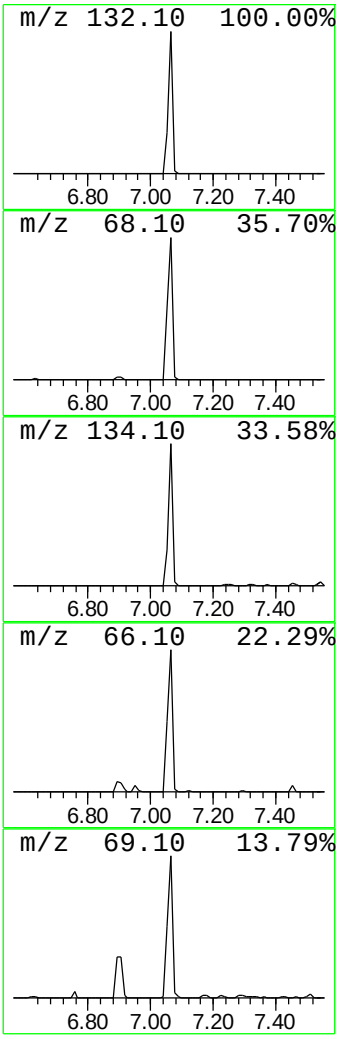
**********

Peak Number 10 unknown7.06 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.06 | 79.88 ng | 834302 | 1,4-Dichlorobenzene-d4 | 7.29 |

| 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 | 12 |
| 3 | Amphetaminil | 250 | C17H18N2 | 017590-01-1 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 5 | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-59-9 | 9 |



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Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

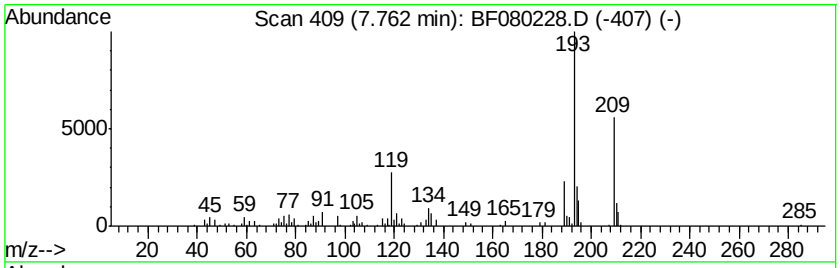
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

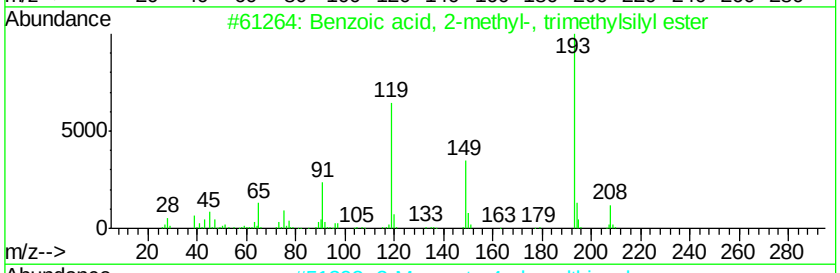
**********

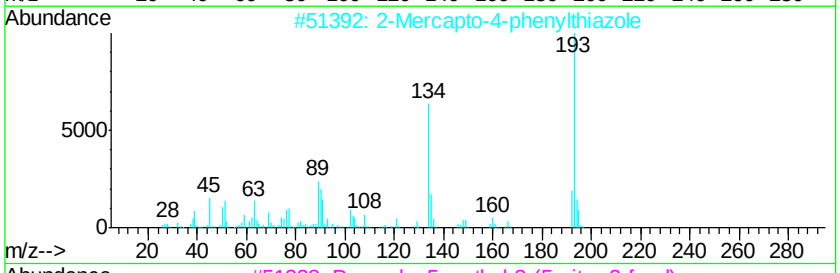
Peak Number 13 unknown7.76 Concentration Rank 13

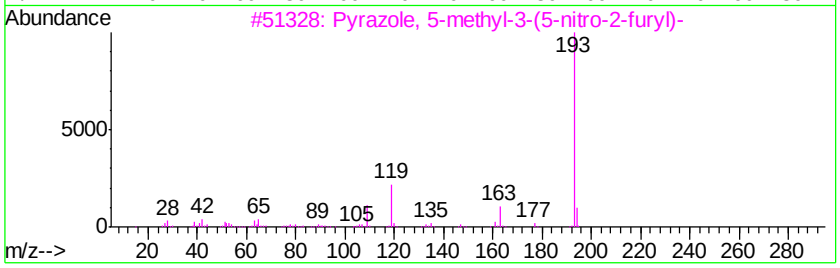
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.76 | 22.38 ng | 233762 | 1,4-Dichlorobenzene-d4 | 7.29 |

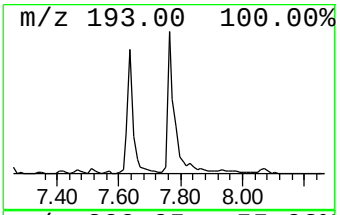
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, 2-methyl-, trimeth... | 208 | C11H16O2Si | 055557-15-8 | 38 |
| 2 | 2-Mercapto-4-phenylthiazole | 193 | C9H7NS2 | 002103-88-0 | 38 |
| 3 | Pyrazole, 5-methyl-3-(5-nitro-2-... | 193 | C8H7N3O3 | 016239-90-0 | 38 |
| 4 | [1,1'-Biphenyl]-4-acetonitrile | 193 | C14H11N | 031603-77-7 | 38 |
| 5 | 1-Anthracenamine | 193 | C14H11N | 000610-49-1 | 35 |

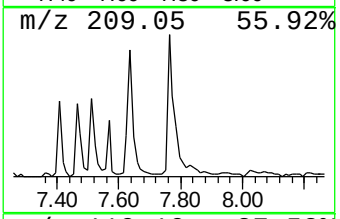


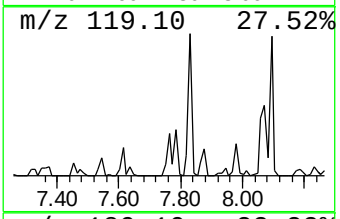



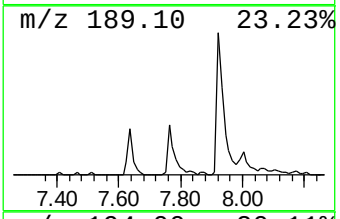



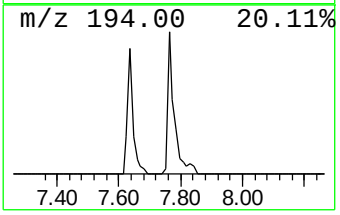



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

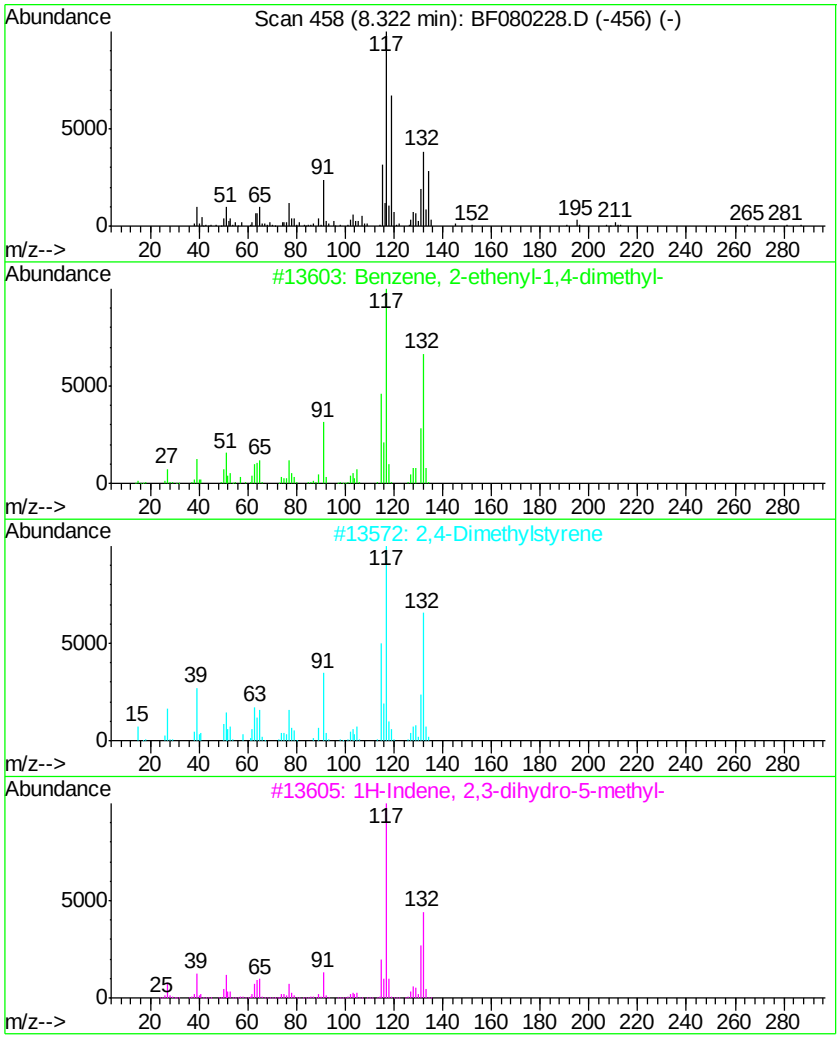
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

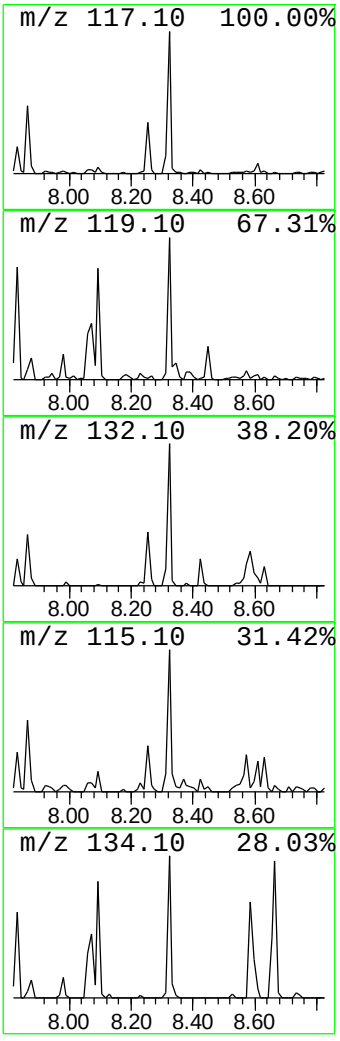
**********

Peak Number 15 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.32 | 19.26 ng | 372497 | Naphthalene-d8 | 8.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 95 |
| 2 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 95 |
| 3 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 92 |
| 4 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 86 |
| 5 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 70 |



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Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

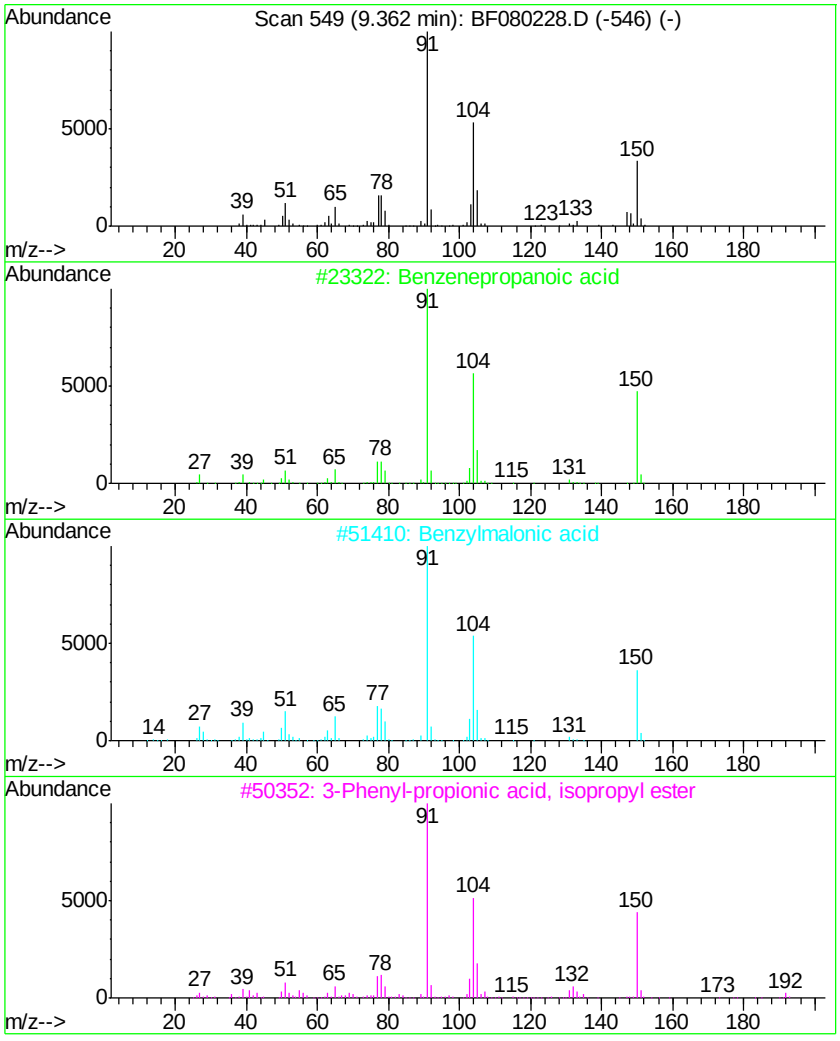
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

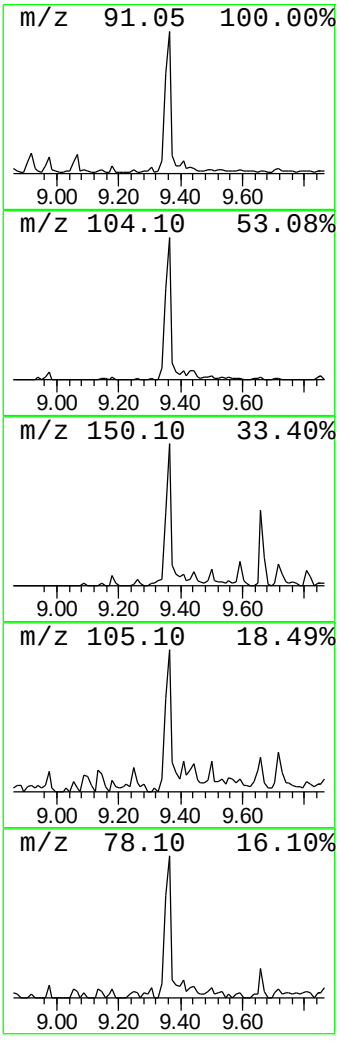
**********

Peak Number 16 Benzenepropanoic acid Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.36 | 15.48 ng | 299460 | Naphthalene-d8 | 8.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenepropanoic acid | 150 | C9H10O2 | 000501-52-0 | 93 |
| 2 | Benzylmalonic acid | 194 | C10H10O4 | 000616-75-1 | 90 |
| 3 | 3-Phenyl-propionic acid, isoprop... | 192 | C12H16O2 | 022767-95-9 | 86 |
| 4 | 4-Nitrosophenyl-.beta.-phenylpro... | 255 | C15H13NO3 | 1000129-40-0 | 86 |
| 5 | 5-Phenylisoxazoline | 147 | C9H9NO | 001006-66-2 | 49 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

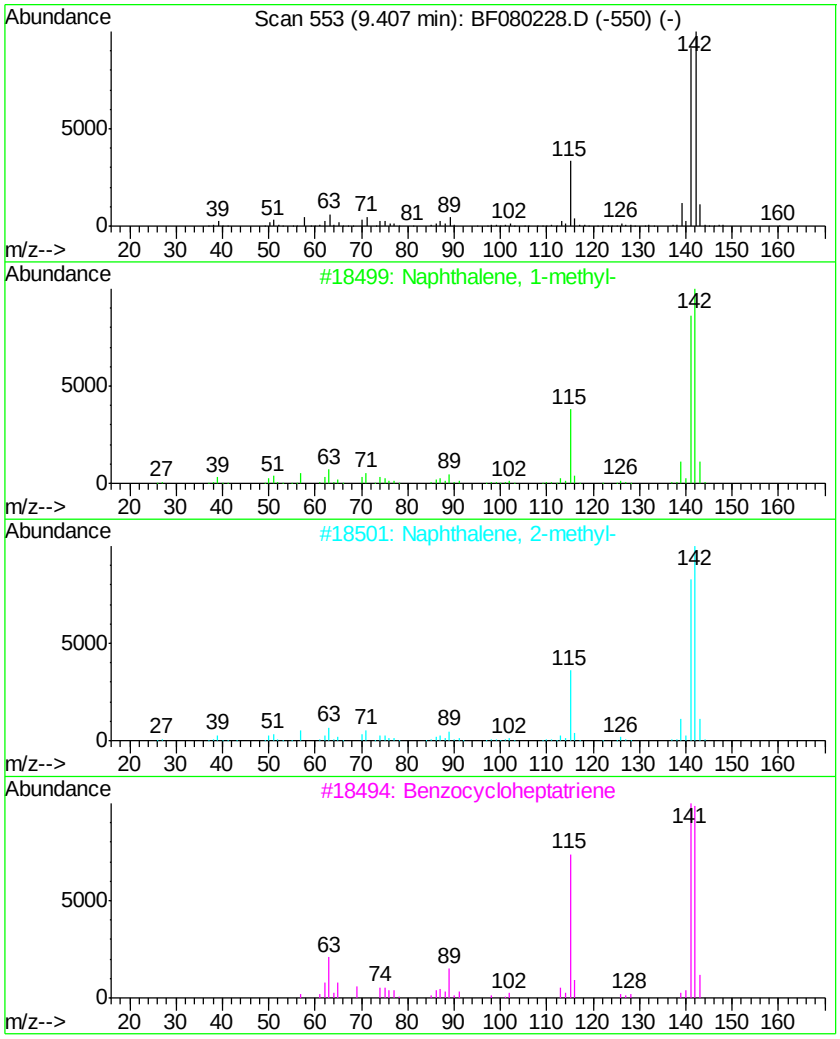
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

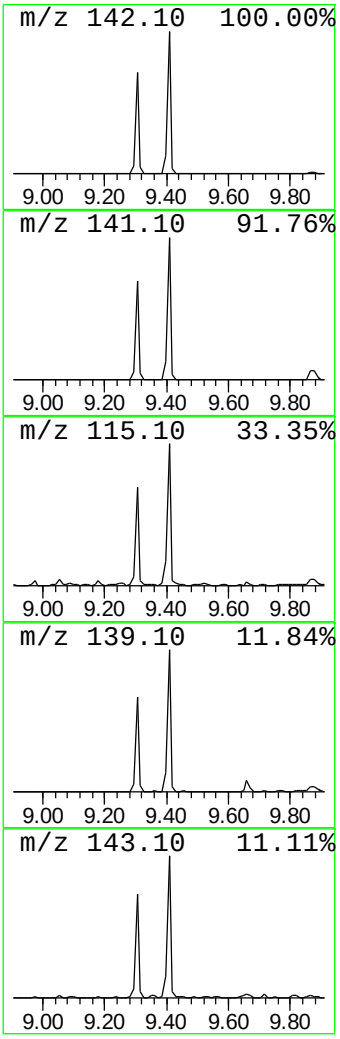
**********

Peak Number 17 Naphthalene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.41 | 47.60 ng | 920713 | Naphthalene-d8 | 8.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 3 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 4 | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10 | 002443-46-1 | 91 |
| 5 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

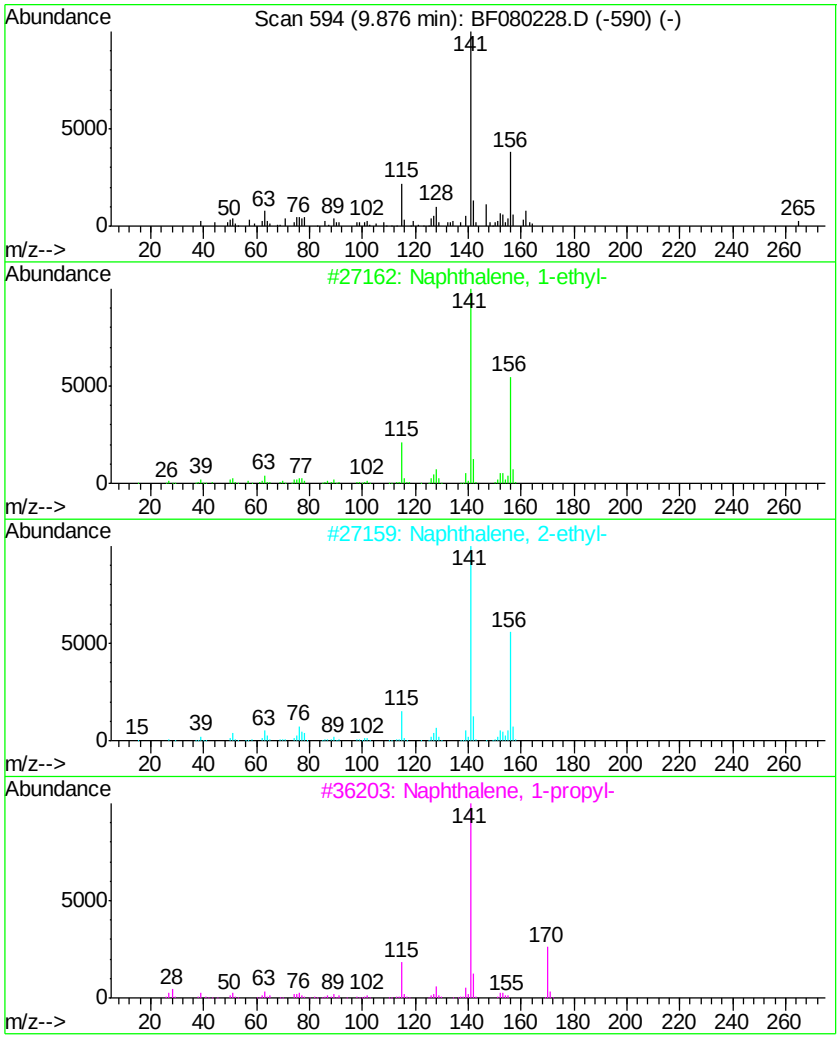
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

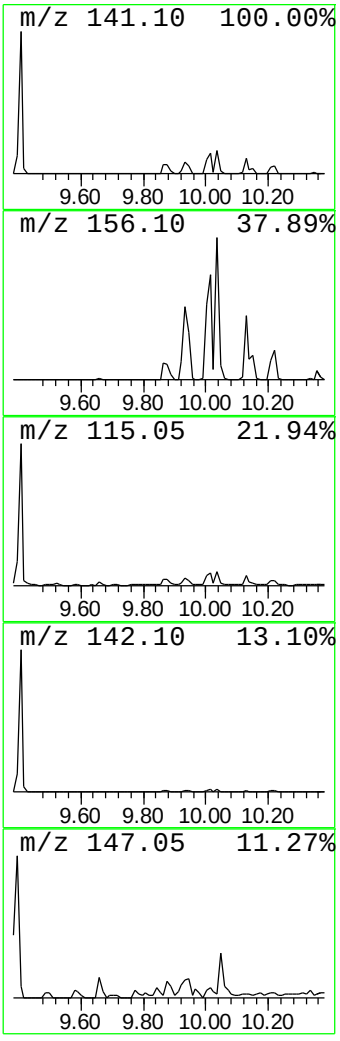
**********

Peak Number 18 Naphthalene, 1-ethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.88 | 11.09 ng | 163939 | Acenaphthene-d10 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 94 |
| 2 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 94 |
| 3 | Naphthalene, 1-propyl- | 170 | C13H14 | 002765-18-6 | 53 |
| 4 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 53 |
| 5 | 2-Thiophenecarboxylic acid, 5-et... | 156 | C7H8O2S | 023229-72-3 | 50 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

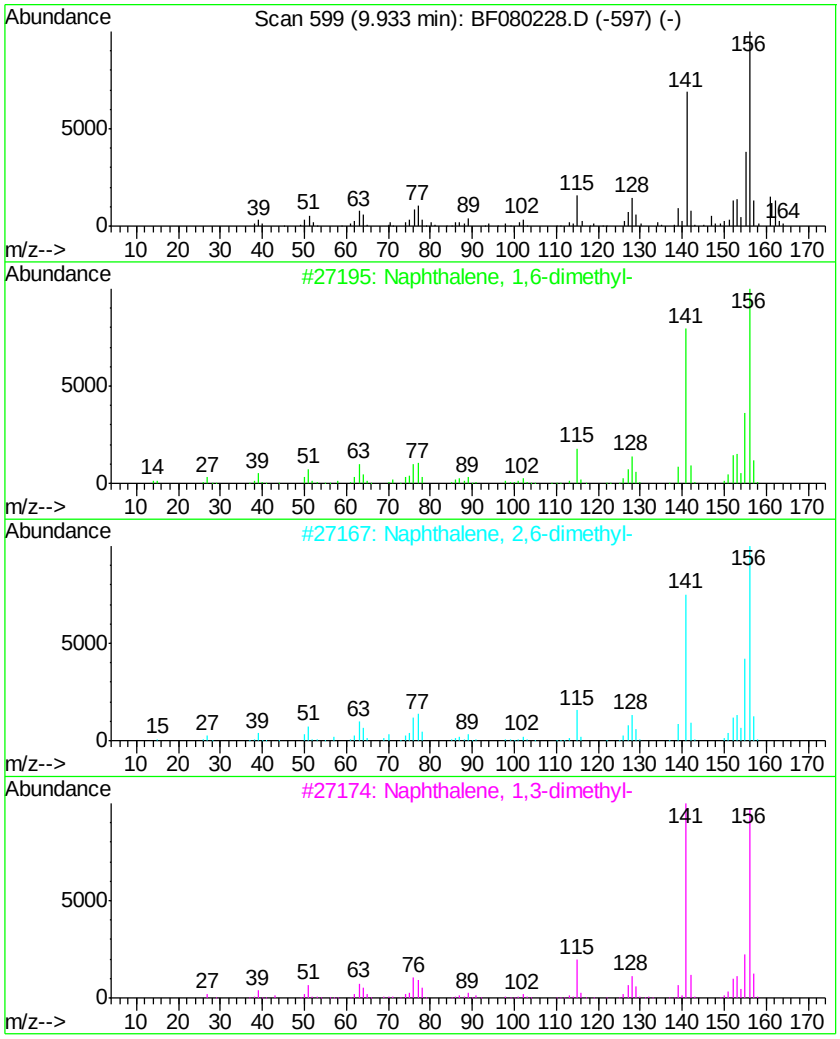
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

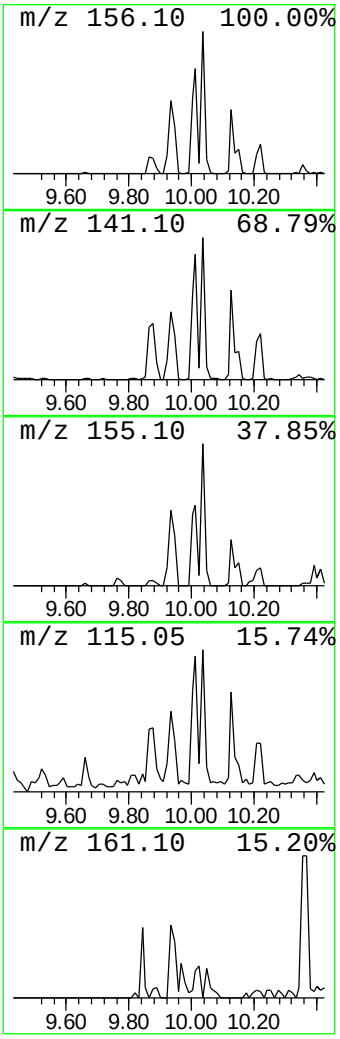
**********

Peak Number 19 Naphthalene, 1,6-dimethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.93 | 14.57 ng | 215447 | Acenaphthene-d10 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 98 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 3 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

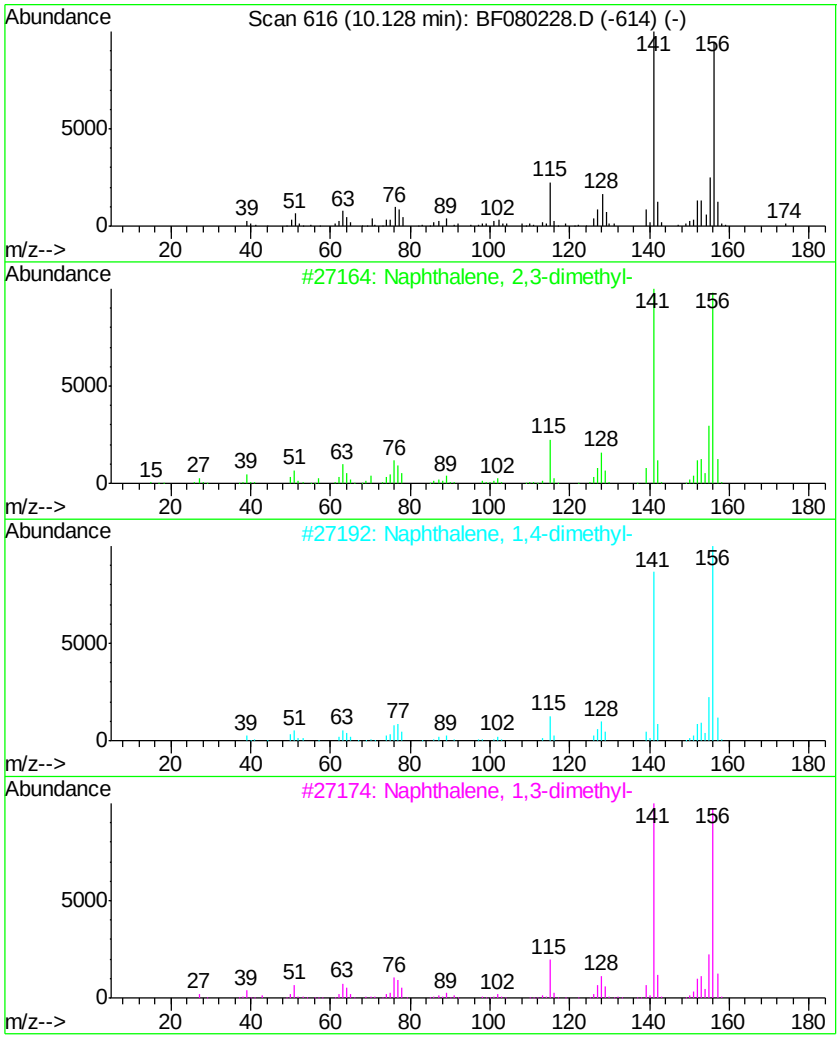
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

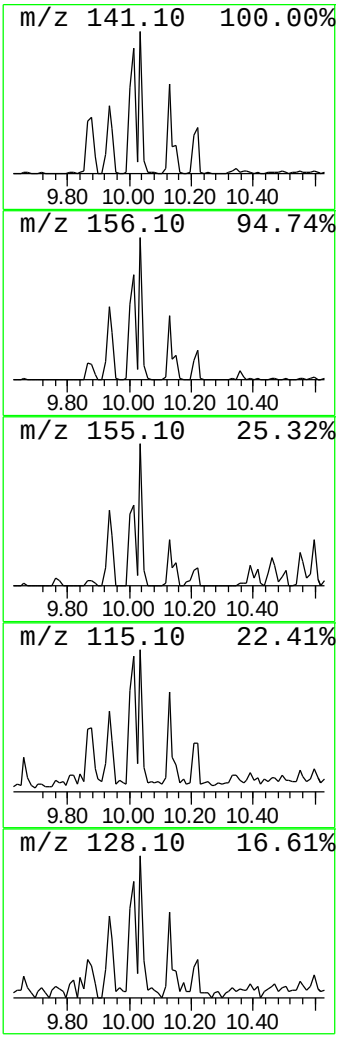
**********

Peak Number 20 Naphthalene, 2,3-dimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.13 | 11.65 ng | 172276 | Acenaphthene-d10 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 3 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080228.D
Acq On : 30 Jun 2015 3:41
Operator : TP/IZ
Sample : G2829-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.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(1H)-Pyridinethi... | 3.57 | 73.2 | ng | 764914 | 1 | 7.29 | 208893 | 20.0 |
| unknown4.17 | 4.17 | 27.4 | ng | 286656 | 1 | 7.29 | 208893 | 20.0 |
| unknown5.33 | 5.33 | 42.4 | ng | 442746 | 1 | 7.29 | 208893 | 20.0 |
| m-Methoxybenzamide | 5.69 | 68.9 | ng | 719816 | 1 | 7.29 | 208893 | 20.0 |
| unknown5.96 | 5.96 | 25.5 | ng | 266804 | 1 | 7.29 | 208893 | 20.0 |
| unknown6.22 | 6.22 | 22.4 | ng | 234022 | 1 | 7.29 | 208893 | 20.0 |
| Benzothiazole, 2-... | 6.41 | 8.4 | ng | 87479 | 1 | 7.29 | 208893 | 20.0 |
| unknown7.06 | 7.06 | 79.9 | ng | 834302 | 1 | 7.29 | 208893 | 20.0 |
| unknown7.76 | 7.76 | 22.4 | ng | 233762 | 1 | 7.29 | 208893 | 20.0 |
| Benzene, 2-etheny... | 8.32 | 19.3 | ng | 372497 | 2 | 8.58 | 386866 | 20.0 |
| Benzenepropanoic ... | 9.36 | 15.5 | ng | 299460 | 2 | 8.58 | 386866 | 20.0 |
| Naphthalene, 1-me... | 9.41 | 47.6 | ng | 920713 | 2 | 8.58 | 386866 | 20.0 |
| Naphthalene, 1-et... | 9.88 | 11.1 | ng | 163939 | 3 | 10.36 | 295706 | 20.0 |
| Naphthalene, 1,6-... | 9.93 | 14.6 | ng | 215447 | 3 | 10.36 | 295706 | 20.0 |
| Naphthalene, 2,3-... | 10.13 | 11.7 | ng | 172276 | 3 | 10.36 | 295706 | 20.0 |