LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

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-BF120916.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 | 4.933 | 247 | 249 | 252 | rBV | 472690 | 531624 | 7.64% | 0.882% |
| 2 | 5.367 | 285 | 287 | 290 | rBV | 1610688 | 2104543 | 30.25% | 3.492% |
| 3 | 6.407 | 376 | 378 | 381 | rBV | 1434160 | 2036834 | 29.28% | 3.380% |
| 4 | 6.544 | 387 | 390 | 392 | rBV | 5839010 | 5588428 | 80.33% | 9.273% |
| 5 | 6.773 | 408 | 410 | 412 | rBV | 1758691 | 1488978 | 21.40% | 2.471% |
| 6 | 6.933 | 421 | 424 | 426 | rBV | 5919004 | 5556586 | 79.87% | 9.220% |
| 7 | 7.127 | 437 | 441 | 443 | rBV2 | 57053 | 86404 | 1.24% | 0.143% |
| 8 | 7.299 | 452 | 456 | 457 | rBV | 49731 | 91377 | 1.31% | 0.152% |
| 9 | 7.344 | 457 | 460 | 462 | rVV | 4242552 | 4865093 | 69.93% | 8.073% |
| 10 | 7.642 | 483 | 486 | 488 | rBV2 | 51600 | 72337 | 1.04% | 0.120% |
| 11 | 7.996 | 516 | 517 | 520 | rVB | 87464 | 76609 | 1.10% | 0.127% |
| 12 | 8.064 | 520 | 523 | 525 | rVV | 1675481 | 1955803 | 28.11% | 3.245% |
| 13 | 8.110 | 525 | 527 | 530 | rVB2 | 53798 | 74616 | 1.07% | 0.124% |
| 14 | 8.293 | 541 | 543 | 544 | rBV | 393810 | 465873 | 6.70% | 0.773% |
| 15 | 8.316 | 544 | 545 | 547 | rVV | 480756 | 381864 | 5.49% | 0.634% |
| 16 | 8.407 | 550 | 553 | 554 | rBV2 | 66966 | 102885 | 1.48% | 0.171% |
| 17 | 8.499 | 557 | 561 | 563 | rVV3 | 43665 | 87064 | 1.25% | 0.144% |
| 18 | 8.590 | 567 | 569 | 571 | rVV | 181987 | 189280 | 2.72% | 0.314% |
| 19 | 8.773 | 582 | 585 | 589 | rBV5 | 42781 | 113813 | 1.64% | 0.189% |
| 20 | 9.139 | 614 | 617 | 620 | rVV | 6387209 | 6956639 | 100.00% | 11.543% |
| 21 | 9.242 | 623 | 626 | 629 | rVB5 | 42651 | 101689 | 1.46% | 0.169% |
| 22 | 9.322 | 629 | 633 | 635 | rBV4 | 105108 | 178738 | 2.57% | 0.297% |
| 23 | 9.356 | 635 | 636 | 639 | rVB | 99294 | 85648 | 1.23% | 0.142% |
| 24 | 9.425 | 639 | 642 | 644 | rBV2 | 83294 | 115962 | 1.67% | 0.192% |
| 25 | 9.470 | 644 | 646 | 650 | rBV5 | 69553 | 117300 | 1.69% | 0.195% |
| 26 | 9.539 | 650 | 652 | 654 | rVB | 101297 | 126546 | 1.82% | 0.210% |
| 27 | 9.630 | 658 | 660 | 662 | rVB2 | 76351 | 70131 | 1.01% | 0.116% |
| 28 | 9.779 | 670 | 673 | 674 | rBV2 | 67944 | 146951 | 2.11% | 0.244% |
| 29 | 9.813 | 674 | 676 | 678 | rVB | 2206430 | 1853870 | 26.65% | 3.076% |
| 30 | 10.122 | 701 | 703 | 705 | rBV | 491653 | 671625 | 9.65% | 1.114% |
| 31 | 10.156 | 705 | 706 | 708 | rVV2 | 98540 | 118244 | 1.70% | 0.196% |
| 32 | 10.190 | 708 | 709 | 711 | rVB2 | 120647 | 116074 | 1.67% | 0.193% |
| 33 | 10.488 | 732 | 735 | 737 | rBV3 | 66688 | 119629 | 1.72% | 0.199% |
| 34 | 10.533 | 737 | 739 | 741 | rVB3 | 89661 | 96532 | 1.39% | 0.160% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

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-BF120916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.602 | 741 | 745 | 750 | rBV2 | 3576344 | 3858293 | 55.46% | 6.402% |
| 36 | 10.739 | 753 | 757 | 759 | rVV | 649301 | 665177 | 9.56% | 1.104% |
| 37 | 10.785 | 759 | 761 | 763 | rVV | 764047 | 1155369 | 16.61% | 1.917% |
| 38 | 10.819 | 763 | 764 | 766 | rVV2 | 969745 | 1400216 | 20.13% | 2.323% |
| 39 | 10.853 | 766 | 767 | 771 | rVV2 | 1112737 | 1758221 | 25.27% | 2.917% |
| 40 | 10.922 | 771 | 773 | 775 | rVV2 | 570037 | 1057335 | 15.20% | 1.754% |
| 41 | 10.968 | 775 | 777 | 779 | rVV2 | 1147352 | 1337716 | 19.23% | 2.220% |
| 42 | 11.002 | 779 | 780 | 783 | rVV | 1039155 | 1476228 | 21.22% | 2.450% |
| 43 | 11.048 | 783 | 784 | 786 | rVV | 753331 | 571425 | 8.21% | 0.948% |
| 44 | 11.162 | 790 | 794 | 799 | rBV6 | 142018 | 390178 | 5.61% | 0.647% |
| 45 | 11.299 | 803 | 806 | 808 | rVB | 1192704 | 1451655 | 20.87% | 2.409% |
| 46 | 11.391 | 812 | 814 | 817 | rBV3 | 32146 | 76891 | 1.11% | 0.128% |
| 47 | 11.505 | 823 | 824 | 828 | rVV4 | 53746 | 115208 | 1.66% | 0.191% |
| 48 | 11.596 | 831 | 832 | 835 | rVV | 109308 | 96275 | 1.38% | 0.160% |
| 49 | 11.836 | 851 | 853 | 857 | rBV2 | 117896 | 152856 | 2.20% | 0.254% |
| 50 | 12.008 | 866 | 868 | 872 | rBV3 | 71021 | 148456 | 2.13% | 0.246% |
| 51 | 12.876 | 942 | 944 | 947 | rBV | 4121071 | 5062453 | 72.77% | 8.400% |
| 52 | 13.779 | 1021 | 1023 | 1026 | rBV | 104472 | 113140 | 1.63% | 0.188% |
| 53 | 13.928 | 1033 | 1036 | 1038 | rBV | 1217649 | 1380352 | 19.84% | 2.290% |
| 54 | 15.322 | 1155 | 1158 | 1161 | rBV | 692581 | 1008867 | 14.50% | 1.674% |
| 55 | 16.488 | 1256 | 1260 | 1263 | rBV6 | 39694 | 151321 | 2.18% | 0.251% |
| 56 | 16.888 | 1292 | 1295 | 1297 | rVB4 | 37042 | 92048 | 1.32% | 0.153% |

Sum of corrected areas: 60265269

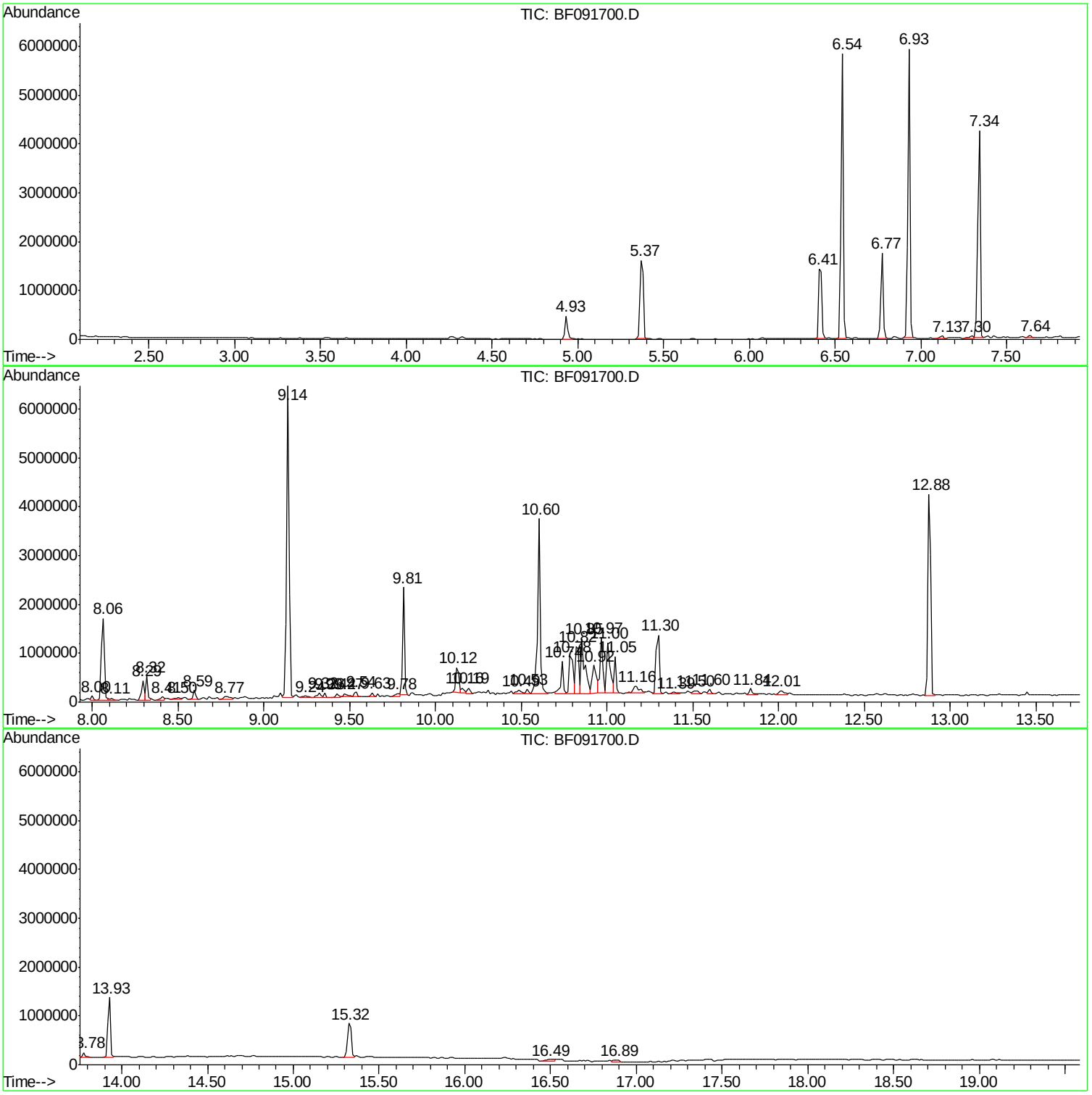
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

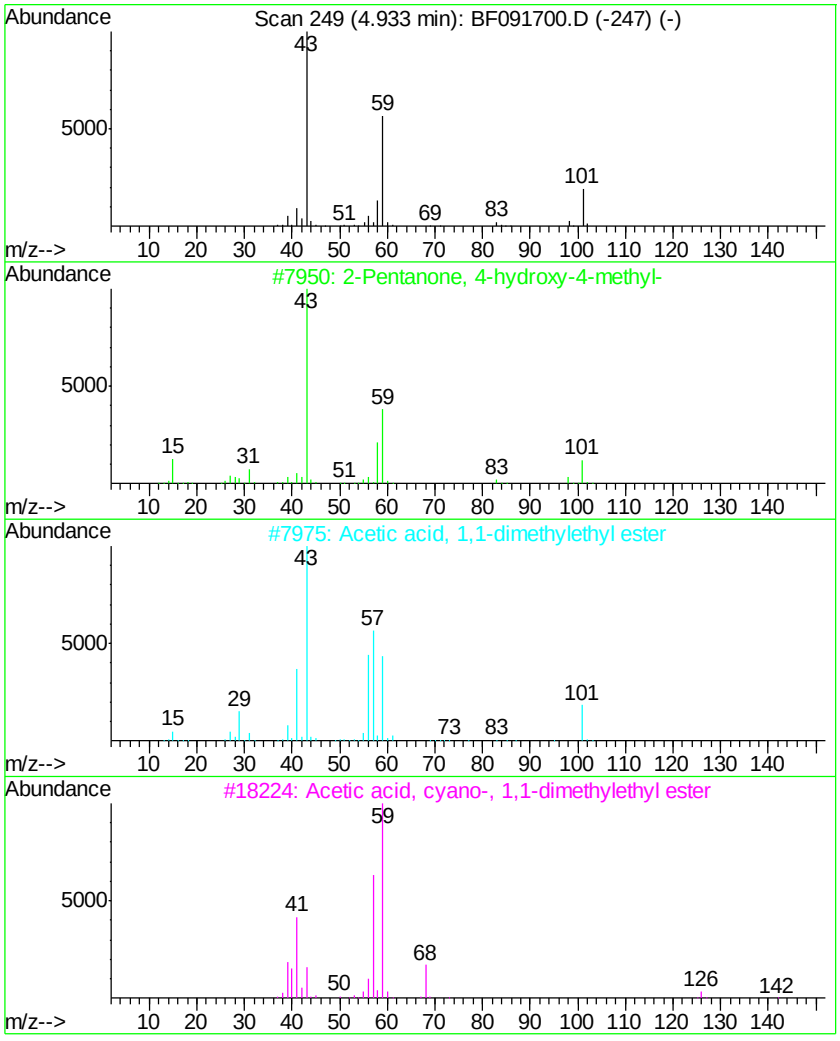
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

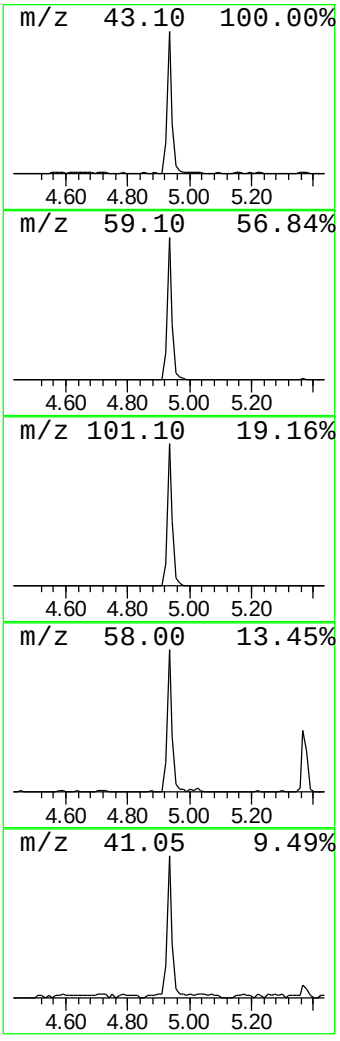
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.93 | 7.14 ng | 531624 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 4 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

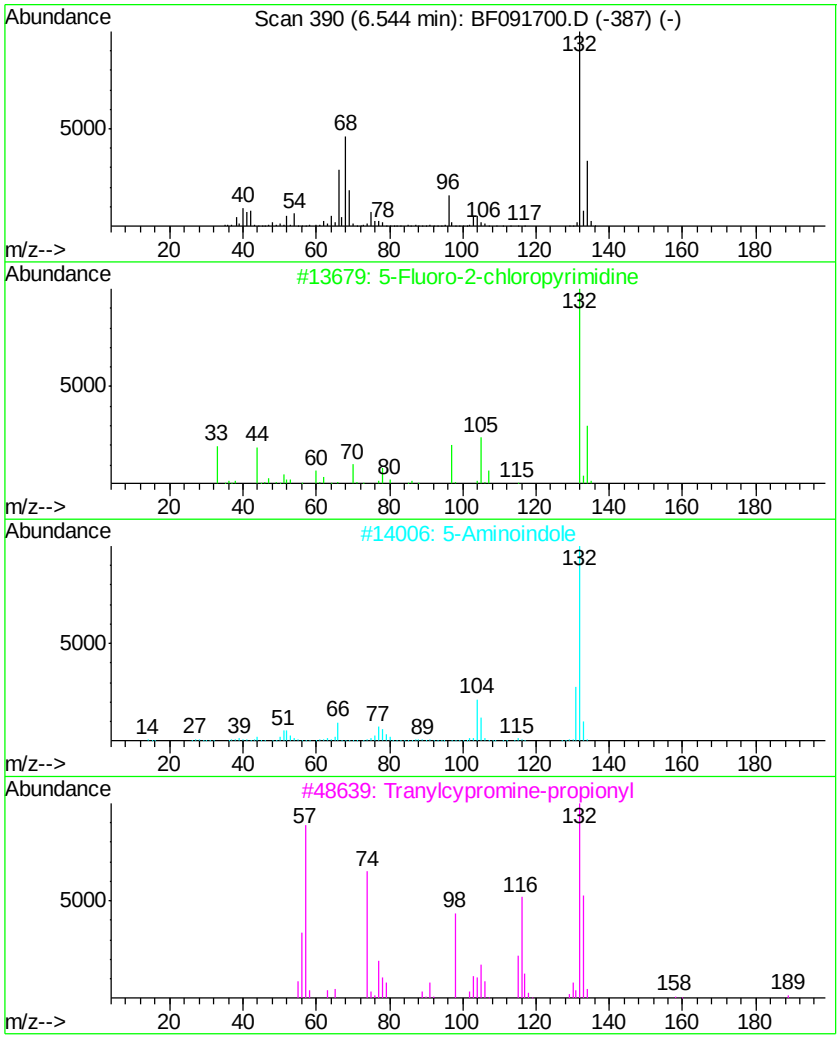
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

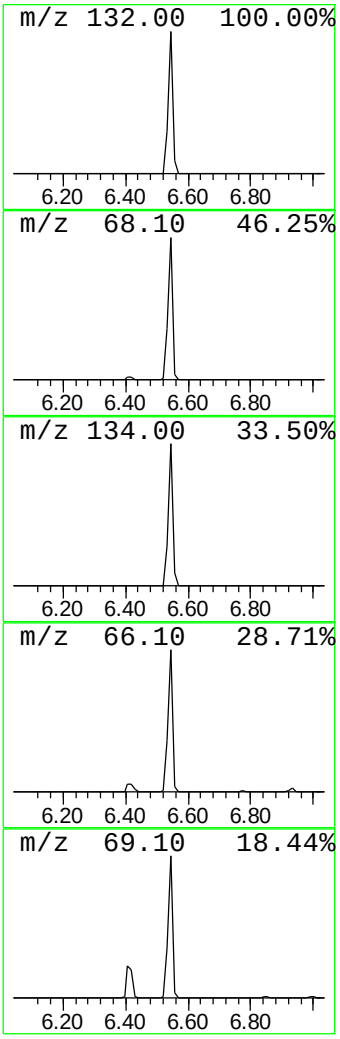
**********

Peak Number 2 unknown6.54 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.54 | 75.06 ng | 5588430 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | Benzene, 1,2,4-trifluoro- | 132 | C6H3F3 | 000367-23-7 | 9 |
| 5 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

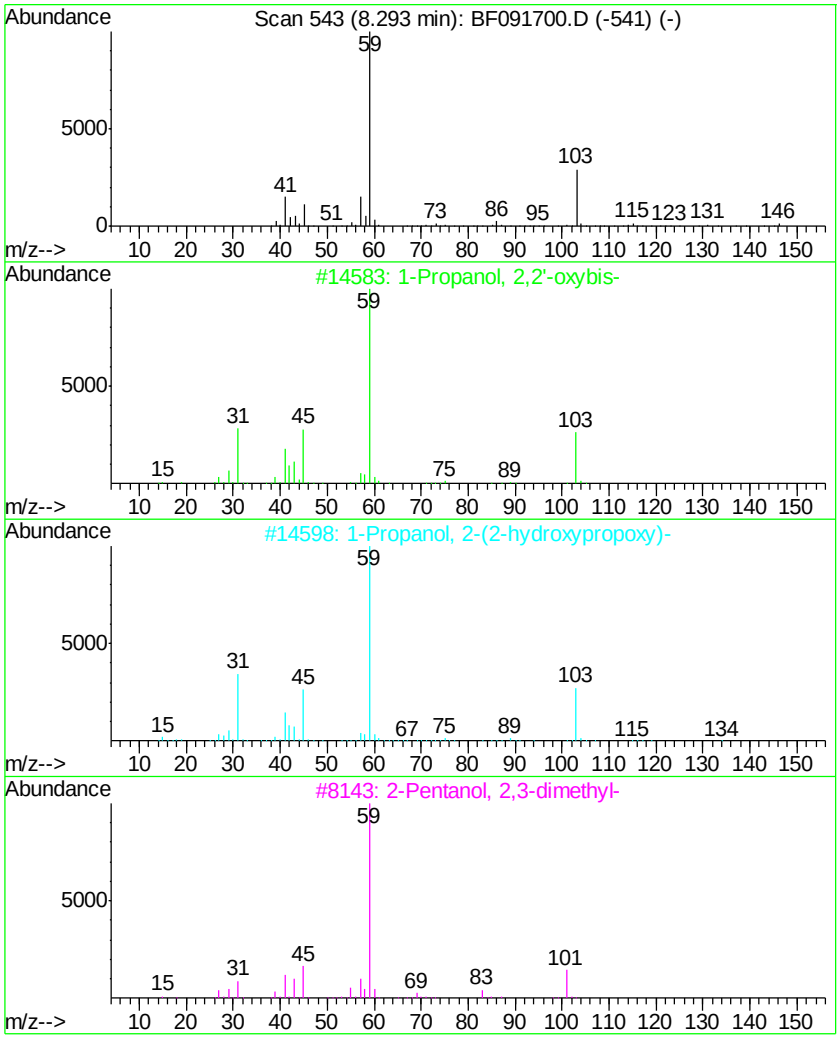
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

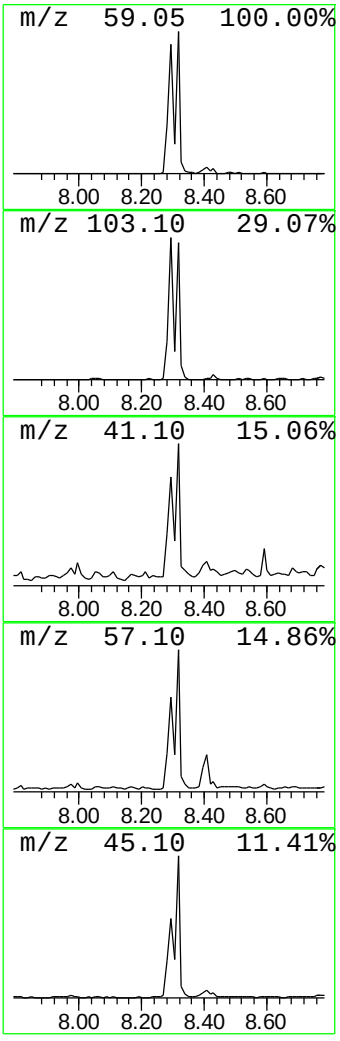
**********

Peak Number 4 1-Propanol, 2,2'-oxybis- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.29 | 4.76 ng | 465873 | Naphthalene-d8 | 8.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propanol, 2,2'-oxybis- | 134 | C6H14O3 | 000108-61-2 | 64 |
| 2 | 1-Propanol, 2-(2-hydroxypropoxy)- | 134 | C6H14O3 | 000106-62-7 | 64 |
| 3 | 2-Pentanol, 2,3-dimethyl- | 116 | C7H16O | 004911-70-0 | 59 |
| 4 | Methane, diethoxy- | 104 | C5H12O2 | 000462-95-3 | 56 |
| 5 | Pentanamide | 101 | C5H11NO | 000626-97-1 | 53 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

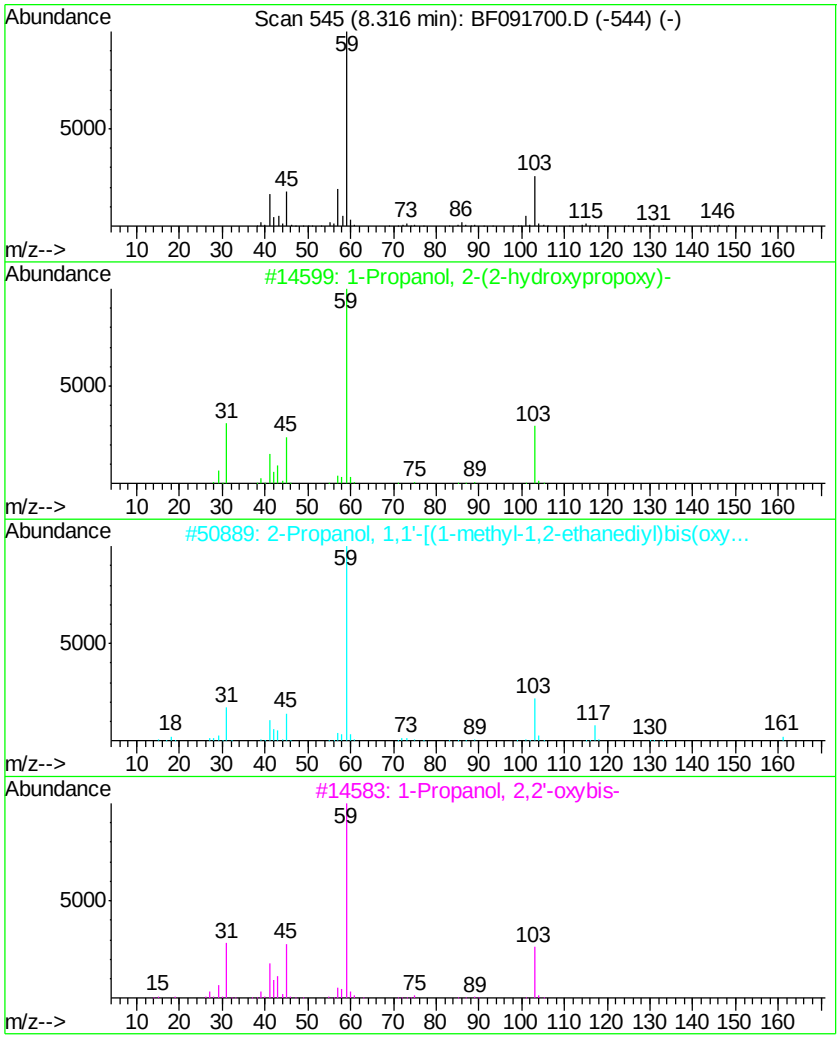
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

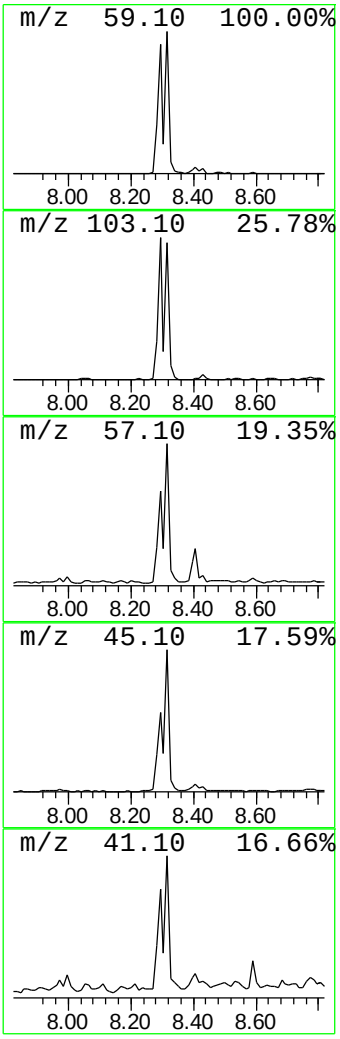
**********

Peak Number 5 1-Propanol, 2-(2-hydroxypro... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.32 | 3.90 ng | 381864 | Naphthalene-d8 | 8.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propanol, 2-(2-hydroxypropoxy)- | 134 | C6H14O3 | 000106-62-7 | 78 |
| 2 | 2-Propanol, 1,1'-[(1-methyl-1,2-... | 192 | C9H20O4 | 001638-16-0 | 64 |
| 3 | 1-Propanol, 2,2'-oxybis- | 134 | C6H14O3 | 000108-61-2 | 64 |
| 4 | 2-Butanol, 3-methoxy- | 104 | C5H12O2 | 053778-72-6 | 59 |
| 5 | Hexaethylene glycol dimethyl ether | 310 | C14H30O7 | 001072-40-8 | 56 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

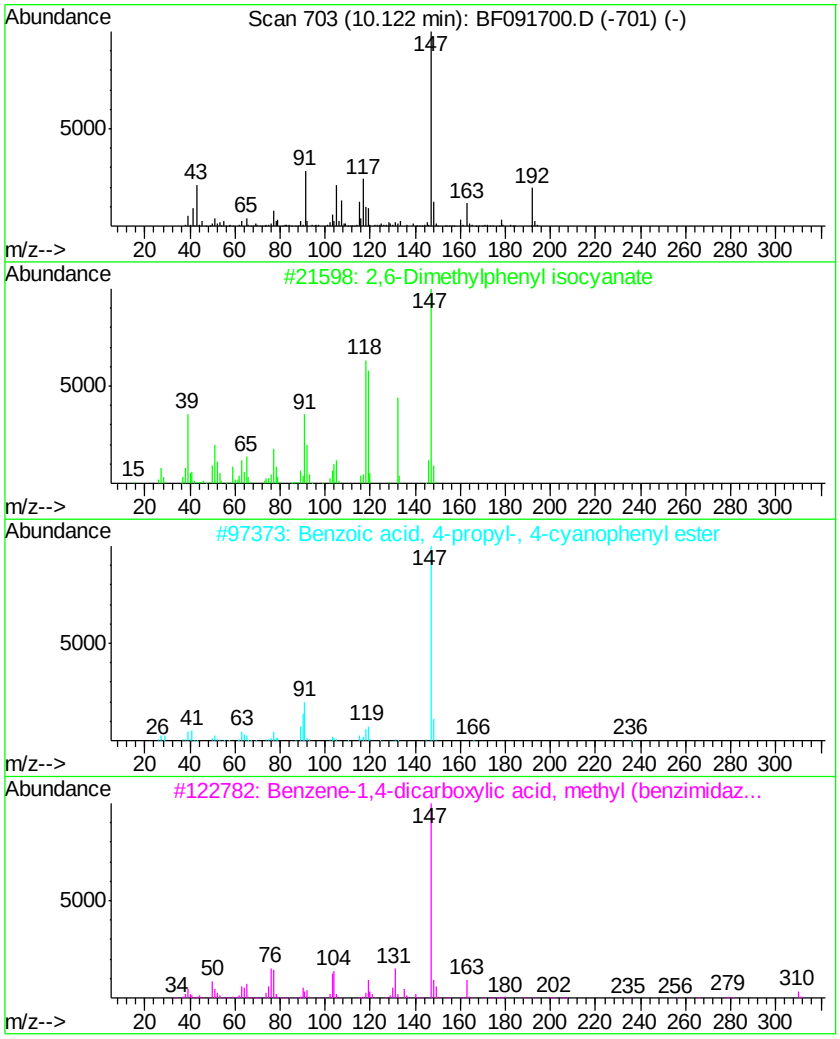
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

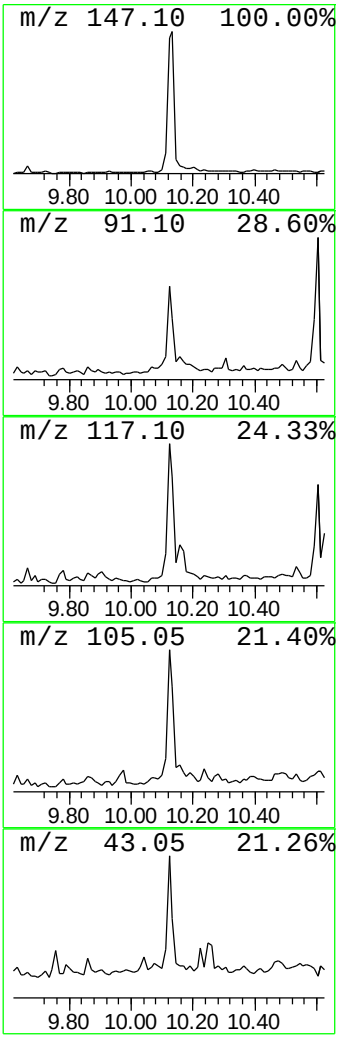
**********

Peak Number 6 unknown10.12 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.12 | 7.25 ng | 671625 | Acenaphthene-d10 | 9.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,6-Dimethylphenyl isocyanate | 147 | C9H9NO | 028556-81-2 | 43 |
| 2 | Benzoic acid, 4-propyl-, 4-cyano... | 265 | C17H15NO2 | 056131-49-8 | 43 |
| 3 | Benzene-1,4-dicarboxylic acid, m... | 310 | C17H14N2O4 | 313232-33-6 | 43 |
| 4 | Ethanone, 1-[4-(1-methylethyl)ph... | 162 | C11H14O | 000645-13-6 | 43 |
| 5 | (Benzo(b)thien-6-yl)acetic acid | 192 | C10H8O2S | 006177-87-3 | 43 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

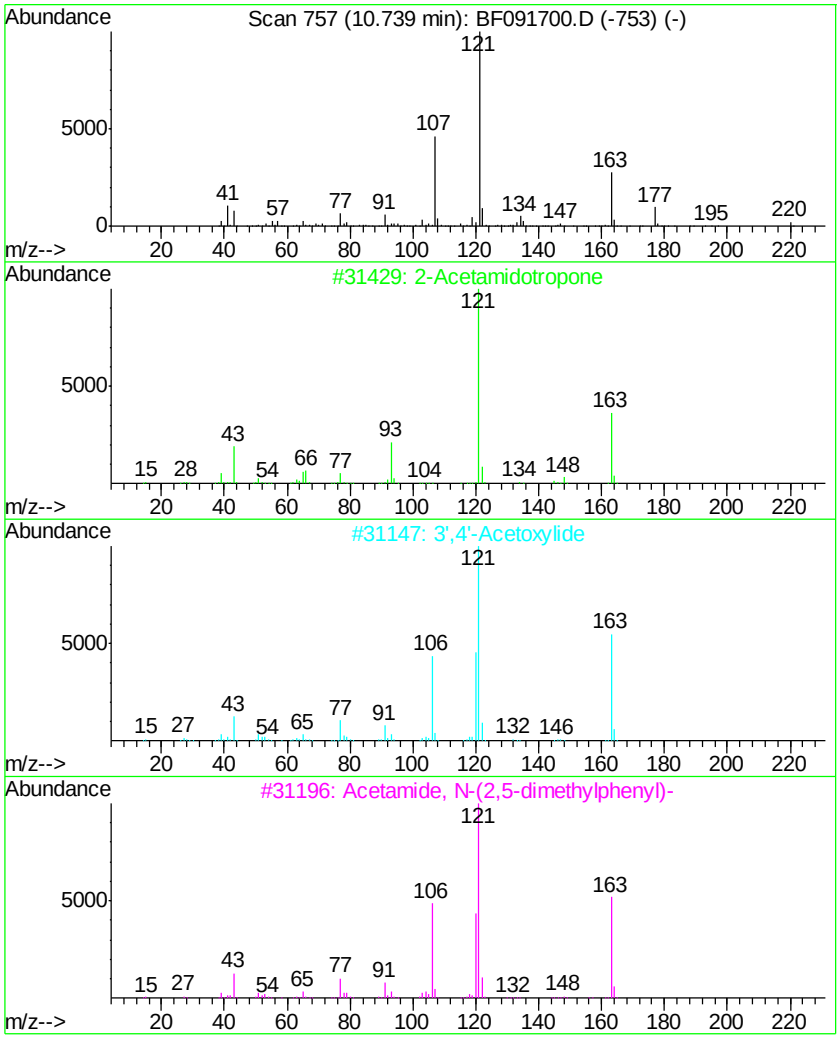
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

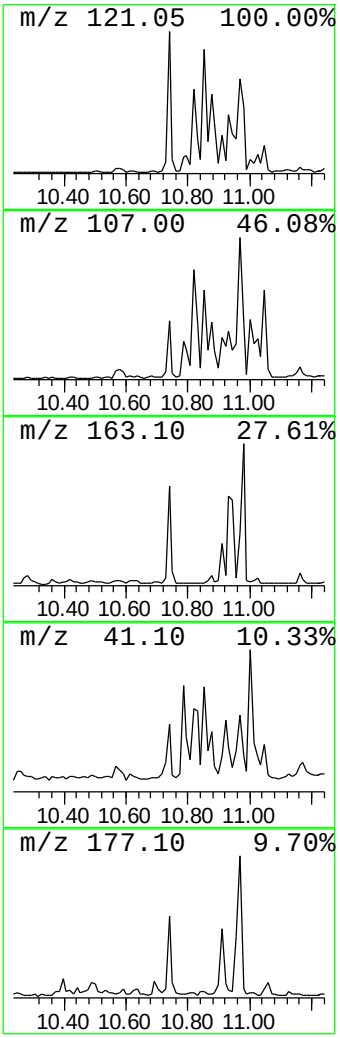
**********

Peak Number 7 unknown10.74 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.74 | 9.16 ng | 665177 | Phenanthrene-d10 | 11.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Acetamidotropone | 163 | C9H9NO2 | 006422-12-4 | 49 |
| 2 | 3',4'-Acetoxylide | 163 | C10H13NO | 002198-54-1 | 49 |
| 3 | Acetamide, N-(2,5-dimethylphenyl)- | 163 | C10H13NO | 002050-44-4 | 49 |
| 4 | Oxiranecarboxylic acid, 3-phenyl... | 178 | C10H10O3 | 037161-74-3 | 43 |
| 5 | Anisole, o-octyl- | 220 | C15H24O | 020056-59-1 | 43 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

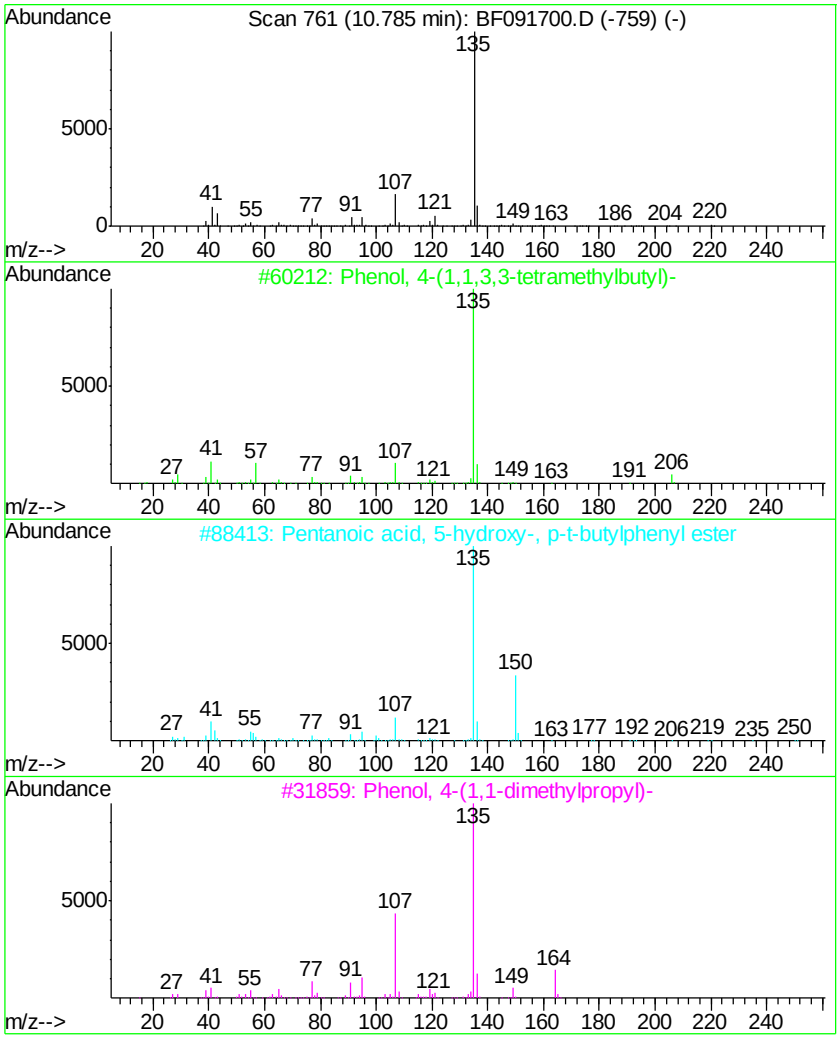
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

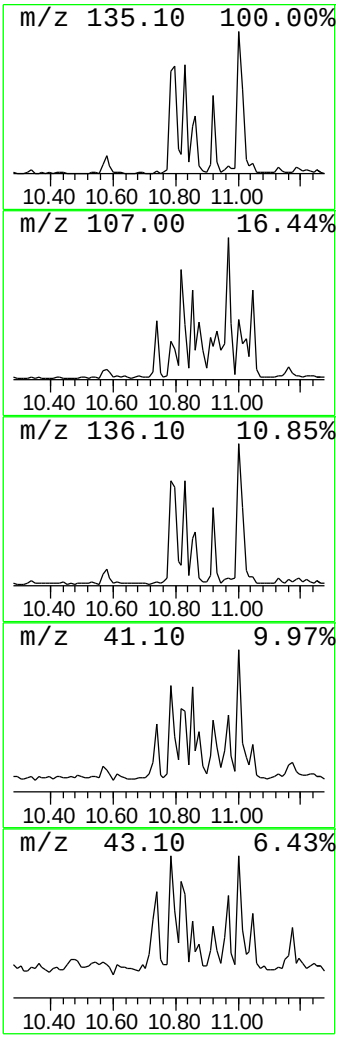
**********

Peak Number 8 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.78 | 15.92 ng | 1155370 | Phenanthrene-d10 | 11.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(1,1,3,3-tetramethylbu... | 206 | C14H22O | 000140-66-9 | 78 |
| 2 | Pentanoic acid, 5-hydroxy-, p-t-... | 250 | C15H22O3 | 166273-37-6 | 78 |
| 3 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 72 |
| 4 | Carbamic acid, N-[1,1-bis(triflu... | 413 | C19H25F6NO2 | 296242-69-8 | 64 |
| 5 | 4-tert-Butylphenyl acetate | 192 | C12H16O2 | 003056-64-2 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

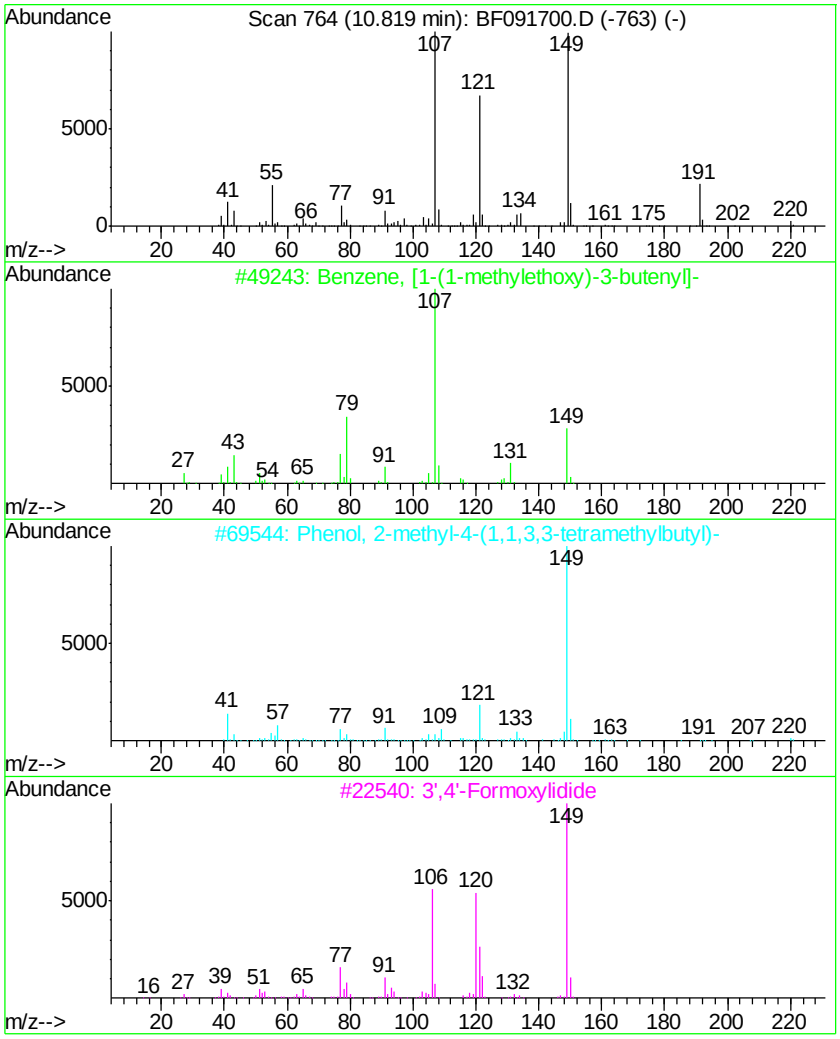
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

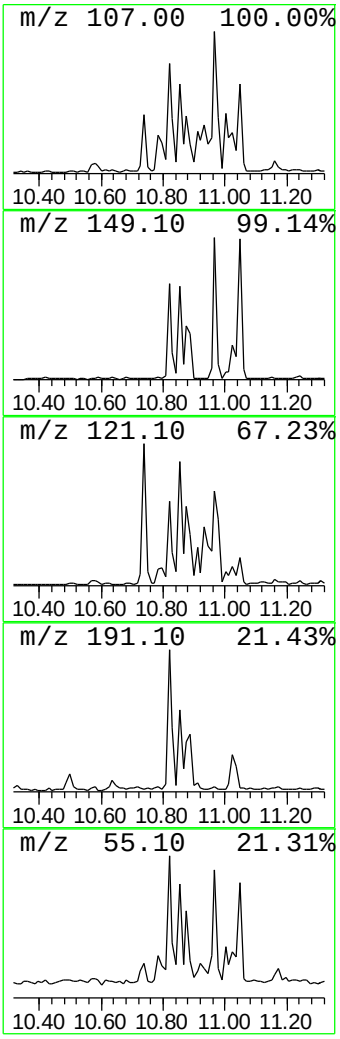
**********

Peak Number 9 unknown10.82 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.82 | 19.29 ng | 1400220 | Phenanthrene-d10 | 11.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, [1-(1-methylethoxy)-3-b... | 190 | C13H18O | 098088-47-2 | 45 |
| 2 | Phenol, 2-methyl-4-(1,1,3,3-tetr... | 220 | C15H24O | 002219-84-3 | 43 |
| 3 | 3',4'-Formoxylidide | 149 | C9H11NO | 006639-60-7 | 38 |
| 4 | 1-(2,6-Dimethyl-4-propoxyphenyl)... | 220 | C14H20O2 | 1000190-22-3 | 35 |
| 5 | Benzofuran-2-one, 4-amino-2,3-di... | 149 | C8H7NO2 | 075990-99-7 | 32 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

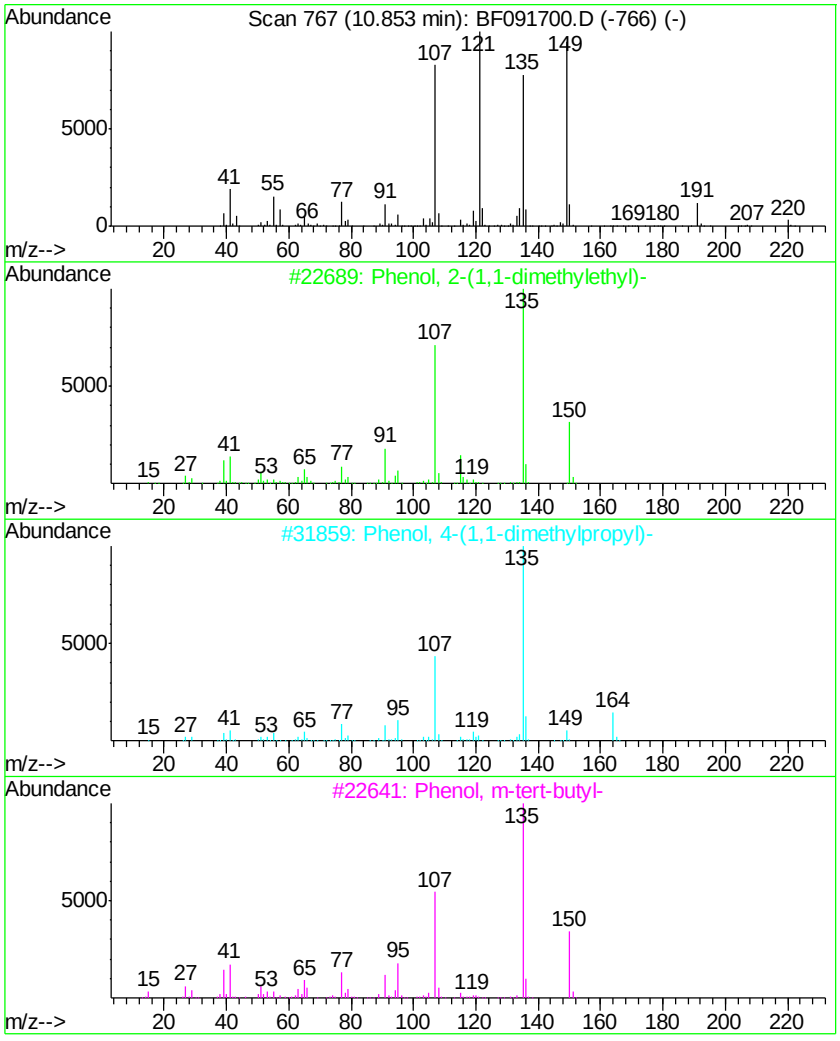
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

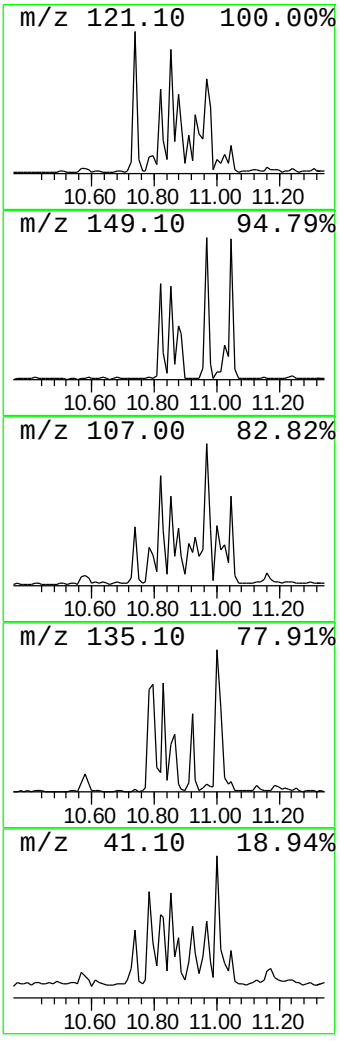
**********

Peak Number 10 unknown10.85 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.85 | 24.22 ng | 1758220 | Phenanthrene-d10 | 11.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-(1,1-dimethylethyl)- | 150 | C10H14O | 000088-18-6 | 41 |
| 2 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 35 |
| 3 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 35 |
| 4 | 1H-Indole, 5-fluoro- | 135 | C8H6FN | 000399-52-0 | 14 |
| 5 | Hexestrol | 270 | C18H22O2 | 005635-50-7 | 14 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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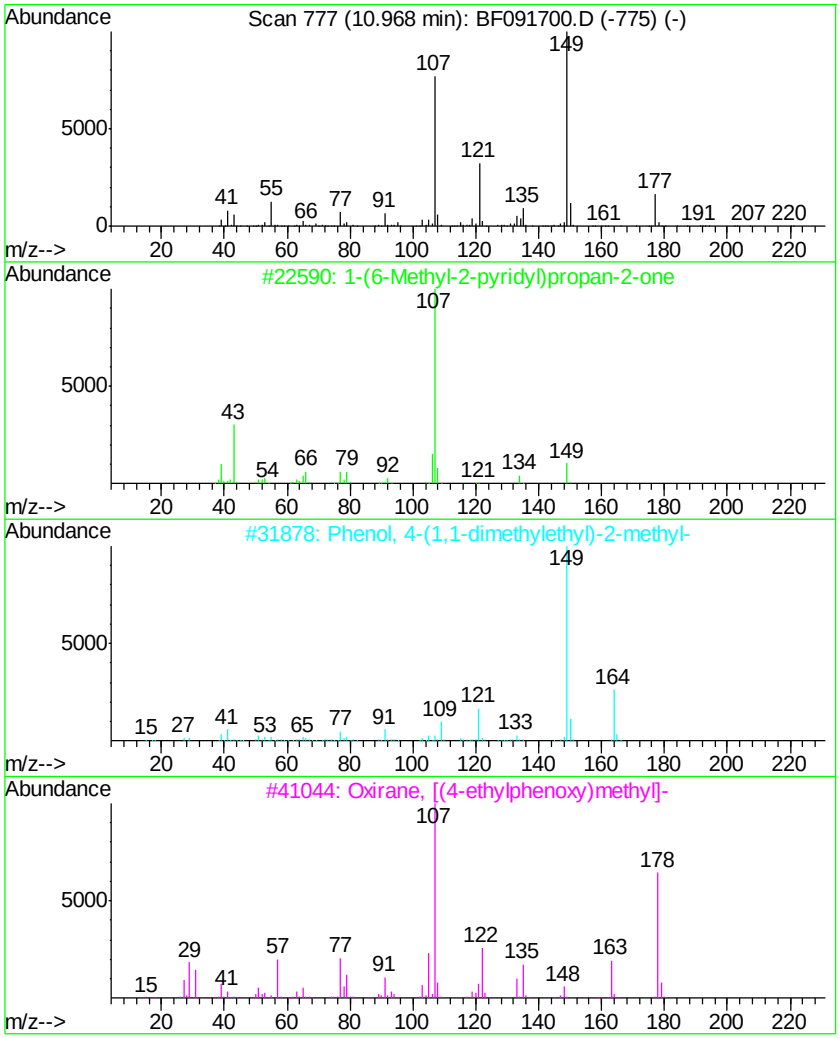
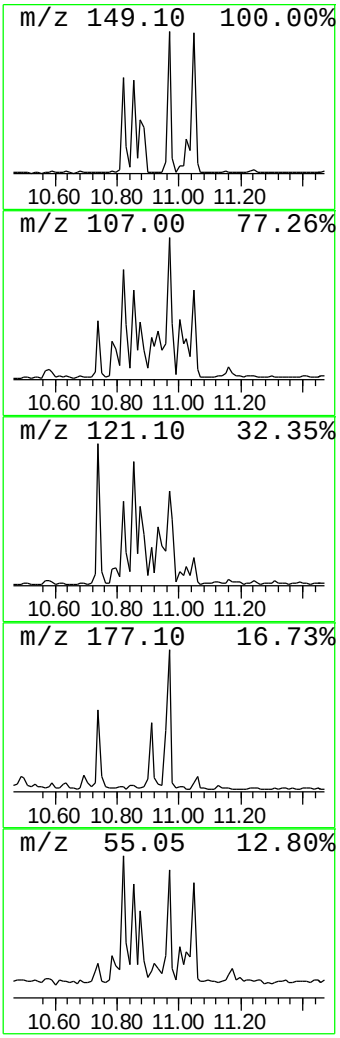
Peak Number 12 1-(6-Methyl-2-pyridyl)propa... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.97 | 18.43 ng | 1337720 | Phenanthrene-d10 | 11.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-(6-Methyl-2-pyridyl)propan-2-one | 149 | C9H11NO | 065702-08-1 | 64 |
| 2 | Phenol, 4-(1,1-dimethylethyl)-2-... | 164 | C11H16O | 000098-27-1 | 38 |
| 3 | Oxirane, [(4-ethylphenoxy)methyl]- | 178 | C11H14O2 | 002930-02-1 | 38 |
| 4 | Phenol, 4-butyl- | 150 | C10H14O | 001638-22-8 | 35 |
| 5 | 4-(p-Acetoxyphenyl)-2-butanone | 206 | C12H14O3 | 003572-06-3 | 35 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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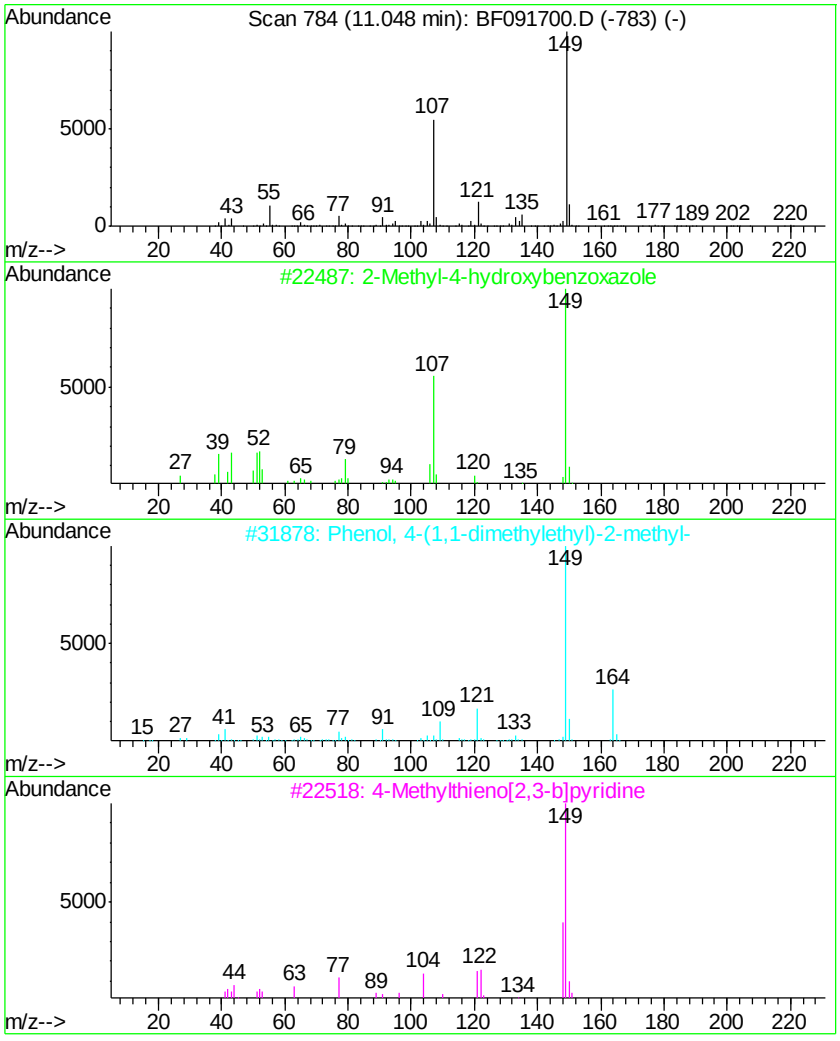
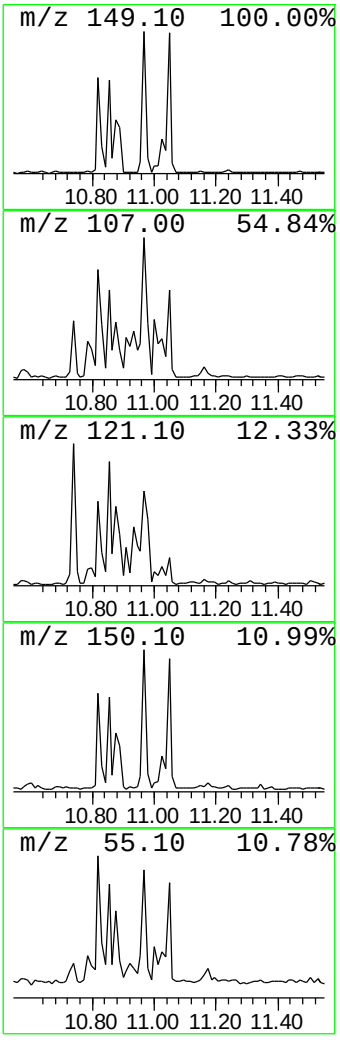
Peak Number 14 2-Methyl-4-hydroxybenzoxazole Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.05 | 7.87 ng | 571425 | Phenanthrene-d10 | 11.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methyl-4-hydroxybenzoxazole | 149 | C8H7NO2 | 051110-60-2 | 72 |
| 2 | Phenol, 4-(1,1-dimethylethyl)-2-... | 164 | C11H16O | 000098-27-1 | 50 |
| 3 | 4-Methylthieno[2,3-b]pyridine | 149 | C8H7NS | 013362-81-7 | 47 |
| 4 | Phenol, 2-methyl-4-(1,1,3,3-tetr... | 220 | C15H24O | 002219-84-3 | 40 |
| 5 | Benzene, 1-isocyanato-4-methoxy- | 149 | C8H7NO2 | 005416-93-3 | 40 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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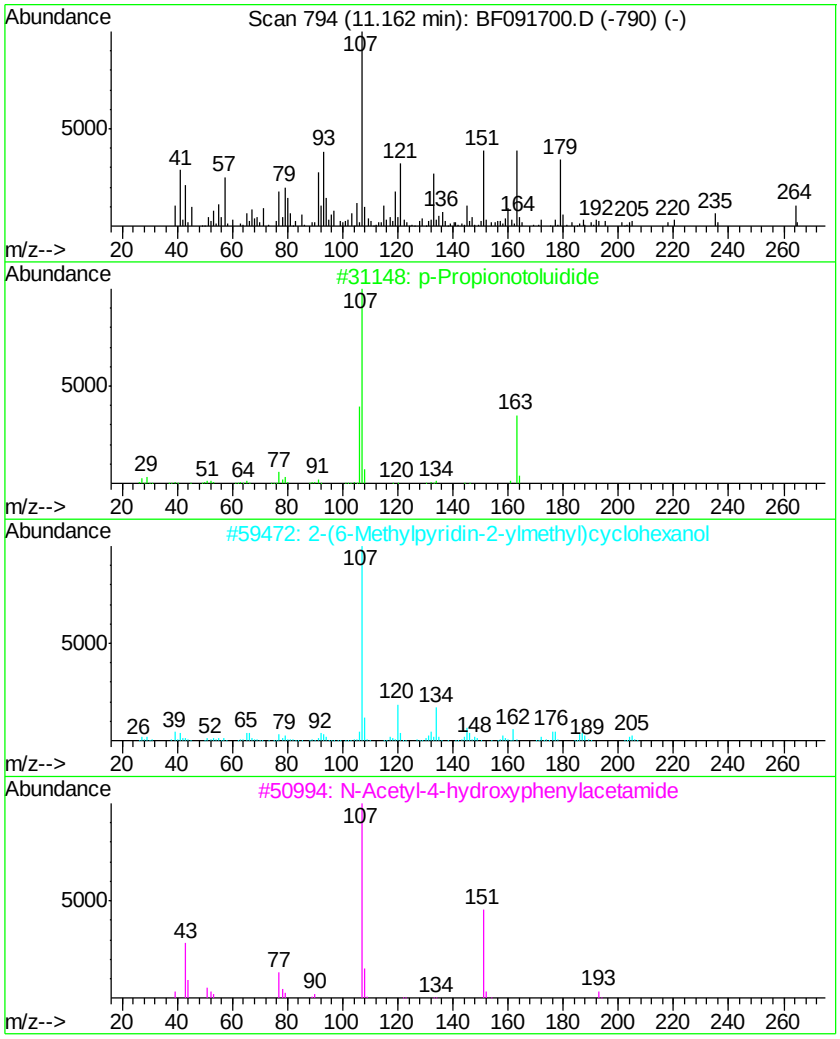
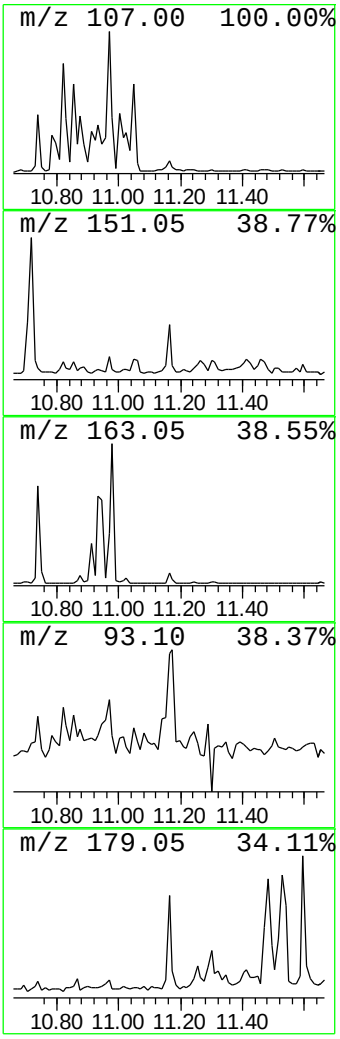
Peak Number 15 unknown11.16 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.16 | 5.38 ng | 390178 | Phenanthrene-d10 | 11.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Propionotoluidide | 163 | C10H13NO | 002759-55-9 | 27 |
| 2 | 2-(6-Methylpyridin-2-ylmethyl)cy... | 205 | C13H19NO | 128231-64-1 | 18 |
| 3 | N-Acetyl-4-hydroxyphenylacetamide | 193 | C10H11NO3 | 1000122-55-3 | 18 |
| 4 | Benzeneacetic acid, .alpha.-hydr... | 180 | C10H12O3 | 010606-72-1 | 14 |
| 5 | 5-(4-Hydroxy)-benzyl-2-thioxo-im... | 222 | C10H10N2O2S | 1000145-44-9 | 14 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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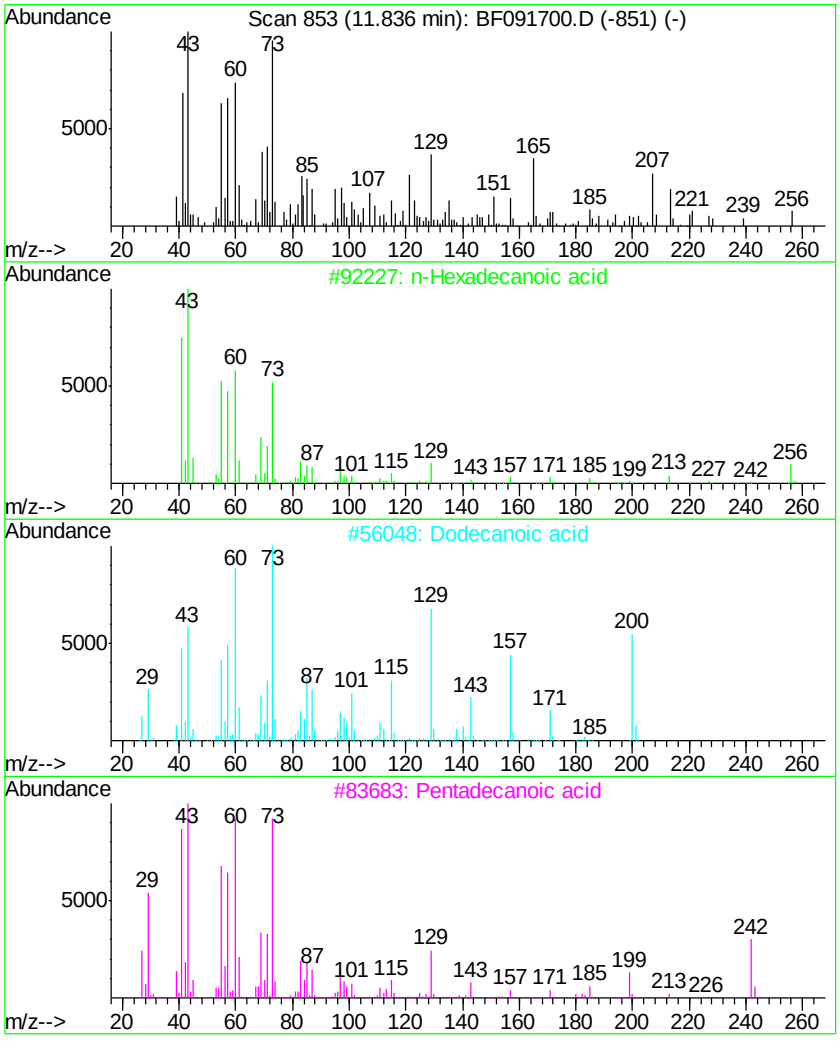
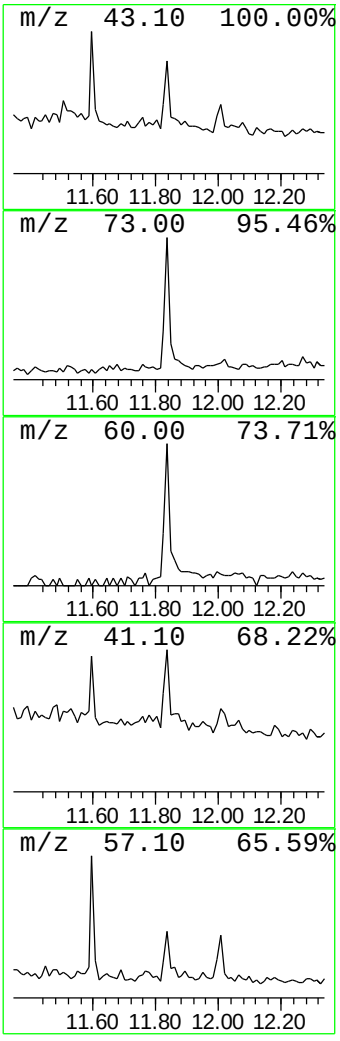
Peak Number 16 n-Hexadecanoic acid Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.84 | 2.11 ng | 152856 | Phenanthrene-d10 | 11.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 89 |
| 2 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 70 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 43 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 38 |
| 5 | Ethanone, 1-(4,5-dihydro-2-thiaz... | 129 | C5H7NOS | 029926-41-8 | 25 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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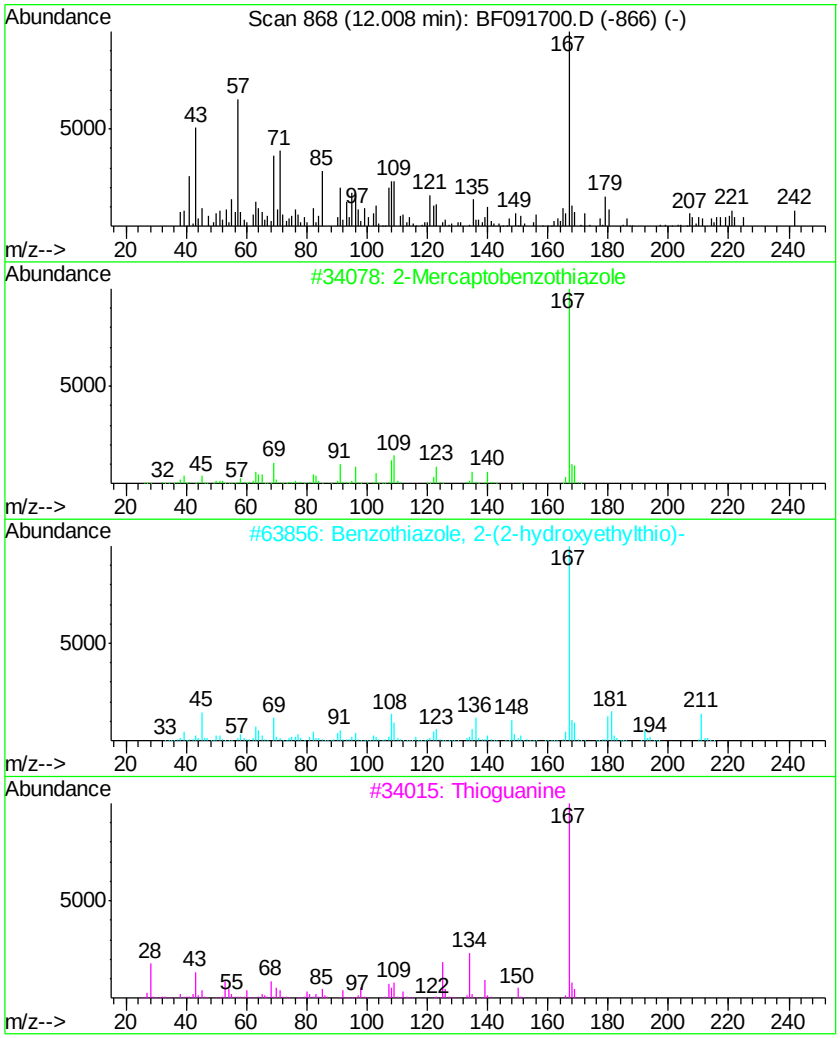
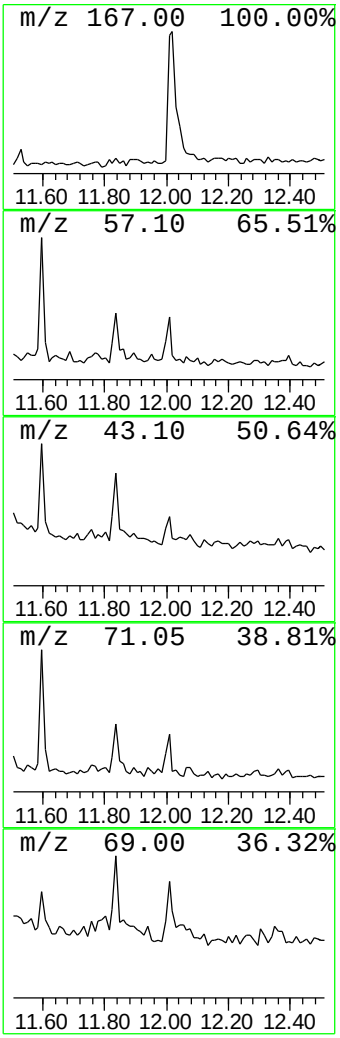
Peak Number 17 2-Mercaptobenzothiazole Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.01 | 2.05 ng | 148456 | Phenanthrene-d10 | 11.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Mercaptobenzothiazole | 167 | C7H5NS2 | 000149-30-4 | 70 |
| 2 | Benzothiazole, 2-(2-hydroxyethyl... | 211 | C9H9NOS2 | 004665-63-8 | 50 |
| 3 | Thioguanine | 167 | C5H5N5S | 000154-42-7 | 46 |
| 4 | 5-Fluoro-2-methylphenyl isothioc... | 167 | C8H6FNS | 175205-39-7 | 38 |
| 5 | 3-Methoxythiobenzamide | 167 | C8H9NOS | 064559-06-4 | 25 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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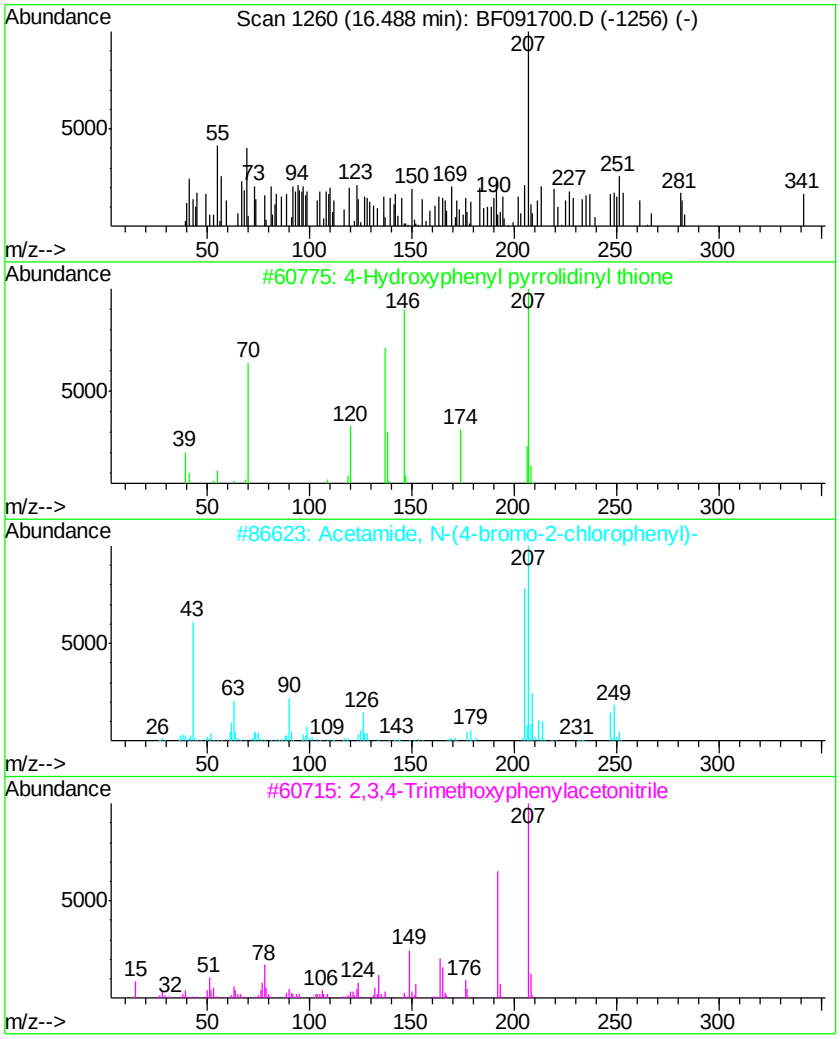
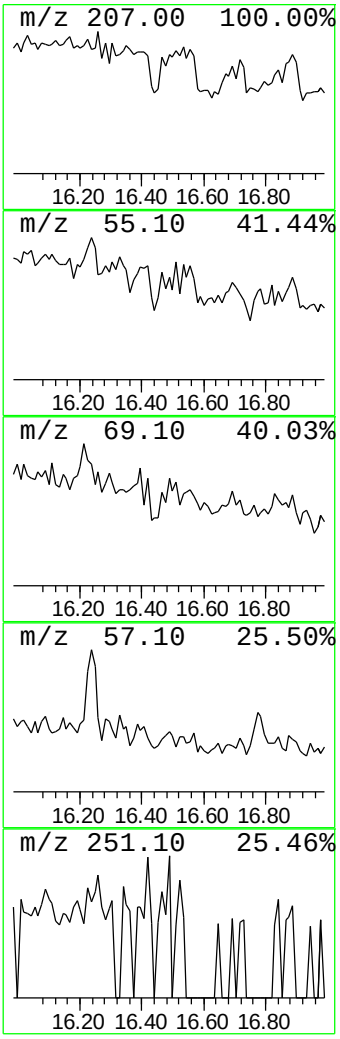
Peak Number 18 unknown16.49 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.49 | 3.00 ng | 151321 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Hydroxyphenyl pyrrolidinyl thione | 207 | C11H13NOS | 084783-02-8 | 46 |
| 2 | Acetamide, N-(4-bromo-2-chloroph... | 247 | C8H7BrClNO | 003460-23-9 | 38 |
| 3 | 2,3,4-Trimethoxyphenylacetonitrile | 207 | C11H13NO3 | 068913-85-9 | 38 |
| 4 | Corydaldine | 207 | C11H13NO3 | 000493-49-2 | 38 |
| 5 | Brallobarbital | 286 | C10H11BrN2O3 | 000561-86-4 | 35 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091700.D
Acq On : 17 Dec 2016 5:02
Operator : UM/SJ
Sample : H6090-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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... | 4.93 | 7.1 | ng | 531624 | 1 | 6.77 | 1488980 | 20.0 |
| unknown6.54 | 6.54 | 75.1 | ng | 5588430 | 1 | 6.77 | 1488980 | 20.0 |
| 1-Propanol, 2,2'-... | 8.29 | 4.8 | ng | 465873 | 2 | 8.06 | 1955800 | 20.0 |
| 1-Propanol, 2-(2-... | 8.32 | 3.9 | ng | 381864 | 2 | 8.06 | 1955800 | 20.0 |
| unknown10.12 | 10.12 | 7.3 | ng | 671625 | 3 | 9.81 | 1853870 | 20.0 |
| unknown10.74 | 10.74 | 9.2 | ng | 665177 | 4 | 11.30 | 1451660 | 20.0 |
| Phenol, 4-(1,1,3,... | 10.78 | 15.9 | ng | 1155370 | 4 | 11.30 | 1451660 | 20.0 |
| unknown10.82 | 10.82 | 19.3 | ng | 1400220 | 4 | 11.30 | 1451660 | 20.0 |
| unknown10.85 | 10.85 | 24.2 | ng | 1758220 | 4 | 11.30 | 1451660 | 20.0 |
| 1-(6-Methyl-2-pyr... | 10.97 | 18.4 | ng | 1337720 | 4 | 11.30 | 1451660 | 20.0 |
| 2-Methyl-4-hydrox... | 11.05 | 7.9 | ng | 571425 | 4 | 11.30 | 1451660 | 20.0 |
| unknown11.16 | 11.16 | 5.4 | ng | 390178 | 4 | 11.30 | 1451660 | 20.0 |
| n-Hexadecanoic acid | 11.84 | 2.1 | ng | 152856 | 4 | 11.30 | 1451660 | 20.0 |
| 2-Mercaptobenzoth... | 12.01 | 2.0 | ng | 148456 | 4 | 11.30 | 1451660 | 20.0 |
| unknown16.49 | 16.49 | 3.0 | ng | 151321 | 6 | 15.33 | 1008870 | 20.0 |