LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

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-BF040216.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 | 4.898 | 244 | 246 | 256 | rBV | 85095 | 129058 | 3.21% | 0.462% |
| 2 | 5.333 | 281 | 284 | 305 | rBV | 1204890 | 1565025 | 38.87% | 5.601% |
| 3 | 6.373 | 374 | 375 | 384 | rBV | 602802 | 973832 | 24.19% | 3.485% |
| 4 | 6.499 | 384 | 386 | 389 | rBV | 1936757 | 2669809 | 66.31% | 9.554% |
| 5 | 6.739 | 405 | 407 | 409 | rBV | 561827 | 674035 | 16.74% | 2.412% |
| 6 | 6.887 | 418 | 420 | 423 | rBV | 2312119 | 2432603 | 60.42% | 8.705% |
| 7 | 6.990 | 427 | 429 | 434 | rVB2 | 37328 | 46660 | 1.16% | 0.167% |
| 8 | 7.310 | 454 | 457 | 459 | rBV | 2103633 | 2324973 | 57.75% | 8.320% |
| 9 | 7.756 | 493 | 496 | 498 | rBV | 52044 | 69878 | 1.74% | 0.250% |
| 10 | 8.019 | 517 | 519 | 522 | rVV | 960764 | 993757 | 24.68% | 3.556% |
| 11 | 8.064 | 522 | 523 | 526 | rVB | 55239 | 63014 | 1.57% | 0.226% |
| 12 | 8.407 | 547 | 553 | 556 | rBV4 | 58636 | 116077 | 2.88% | 0.415% |
| 13 | 8.499 | 556 | 561 | 564 | rVV6 | 34688 | 94533 | 2.35% | 0.338% |
| 14 | 8.682 | 573 | 577 | 578 | rBV3 | 35951 | 65699 | 1.63% | 0.235% |
| 15 | 8.773 | 581 | 585 | 586 | rVV3 | 21368 | 51392 | 1.28% | 0.184% |
| 16 | 8.967 | 600 | 602 | 605 | rBV4 | 46871 | 75676 | 1.88% | 0.271% |
| 17 | 9.105 | 611 | 614 | 616 | rBV | 3425848 | 4025952 | 100.00% | 14.407% |
| 18 | 9.219 | 619 | 624 | 627 | rBV7 | 55662 | 150914 | 3.75% | 0.540% |
| 19 | 9.276 | 627 | 629 | 630 | rBV | 92998 | 120609 | 3.00% | 0.432% |
| 20 | 9.310 | 630 | 632 | 633 | rVB | 34085 | 46710 | 1.16% | 0.167% |
| 21 | 9.356 | 633 | 636 | 639 | rBV3 | 97357 | 233594 | 5.80% | 0.836% |
| 22 | 9.413 | 639 | 641 | 642 | rBV | 37349 | 43542 | 1.08% | 0.156% |
| 23 | 9.447 | 642 | 644 | 647 | rVB3 | 56999 | 86868 | 2.16% | 0.311% |
| 24 | 9.630 | 658 | 660 | 663 | rVB3 | 41606 | 87090 | 2.16% | 0.312% |
| 25 | 9.687 | 663 | 665 | 666 | rBV | 47962 | 55337 | 1.37% | 0.198% |
| 26 | 9.767 | 670 | 672 | 675 | rBV | 777411 | 1108074 | 27.52% | 3.965% |
| 27 | 9.950 | 685 | 688 | 690 | rVB3 | 57805 | 99714 | 2.48% | 0.357% |
| 28 | 10.099 | 699 | 701 | 705 | rVB4 | 55388 | 101042 | 2.51% | 0.362% |
| 29 | 10.213 | 707 | 711 | 712 | rVB3 | 48199 | 92521 | 2.30% | 0.331% |
| 30 | 10.339 | 720 | 722 | 724 | rBV2 | 38924 | 49488 | 1.23% | 0.177% |
| 31 | 10.385 | 724 | 726 | 731 | rVB6 | 60795 | 168143 | 4.18% | 0.602% |
| 32 | 10.465 | 731 | 733 | 736 | rBV3 | 53612 | 92986 | 2.31% | 0.333% |
| 33 | 10.522 | 736 | 738 | 739 | rBV | 83775 | 103558 | 2.57% | 0.371% |
| 34 | 10.568 | 739 | 742 | 744 | rBV | 2200021 | 2242787 | 55.71% | 8.026% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

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-BF040216.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.693 | 750 | 753 | 755 | rVB2 | 72240 | 104034 | 2.58% | 0.372% |
| 36 | 10.979 | 776 | 778 | 782 | rVB2 | 62871 | 124991 | 3.10% | 0.447% |
| 37 | 11.208 | 796 | 798 | 800 | rBV2 | 24894 | 44692 | 1.11% | 0.160% |
| 38 | 11.253 | 800 | 802 | 805 | rVV | 1044792 | 980588 | 24.36% | 3.509% |
| 39 | 11.368 | 810 | 812 | 816 | rVB2 | 70721 | 110957 | 2.76% | 0.397% |
| 40 | 11.791 | 847 | 849 | 854 | rBV4 | 110977 | 190000 | 4.72% | 0.680% |
| 41 | 12.133 | 877 | 879 | 883 | rVB | 43183 | 55311 | 1.37% | 0.198% |
| 42 | 12.236 | 885 | 888 | 893 | rVV2 | 26790 | 64319 | 1.60% | 0.230% |
| 43 | 12.316 | 893 | 895 | 901 | rVB4 | 43416 | 68757 | 1.71% | 0.246% |
| 44 | 12.579 | 915 | 918 | 923 | rBV | 140832 | 186261 | 4.63% | 0.667% |
| 45 | 12.671 | 923 | 926 | 931 | rVB | 37510 | 80573 | 2.00% | 0.288% |
| 46 | 12.842 | 938 | 941 | 944 | rBV | 3037744 | 3180652 | 79.00% | 11.382% |
| 47 | 13.745 | 1018 | 1020 | 1025 | rVB3 | 26533 | 42912 | 1.07% | 0.154% |
| 48 | 13.894 | 1030 | 1033 | 1035 | rBV | 924447 | 867095 | 21.54% | 3.103% |
| 49 | 15.288 | 1153 | 1155 | 1158 | rBV | 482495 | 587995 | 14.61% | 2.104% |

Sum of corrected areas: 27944087

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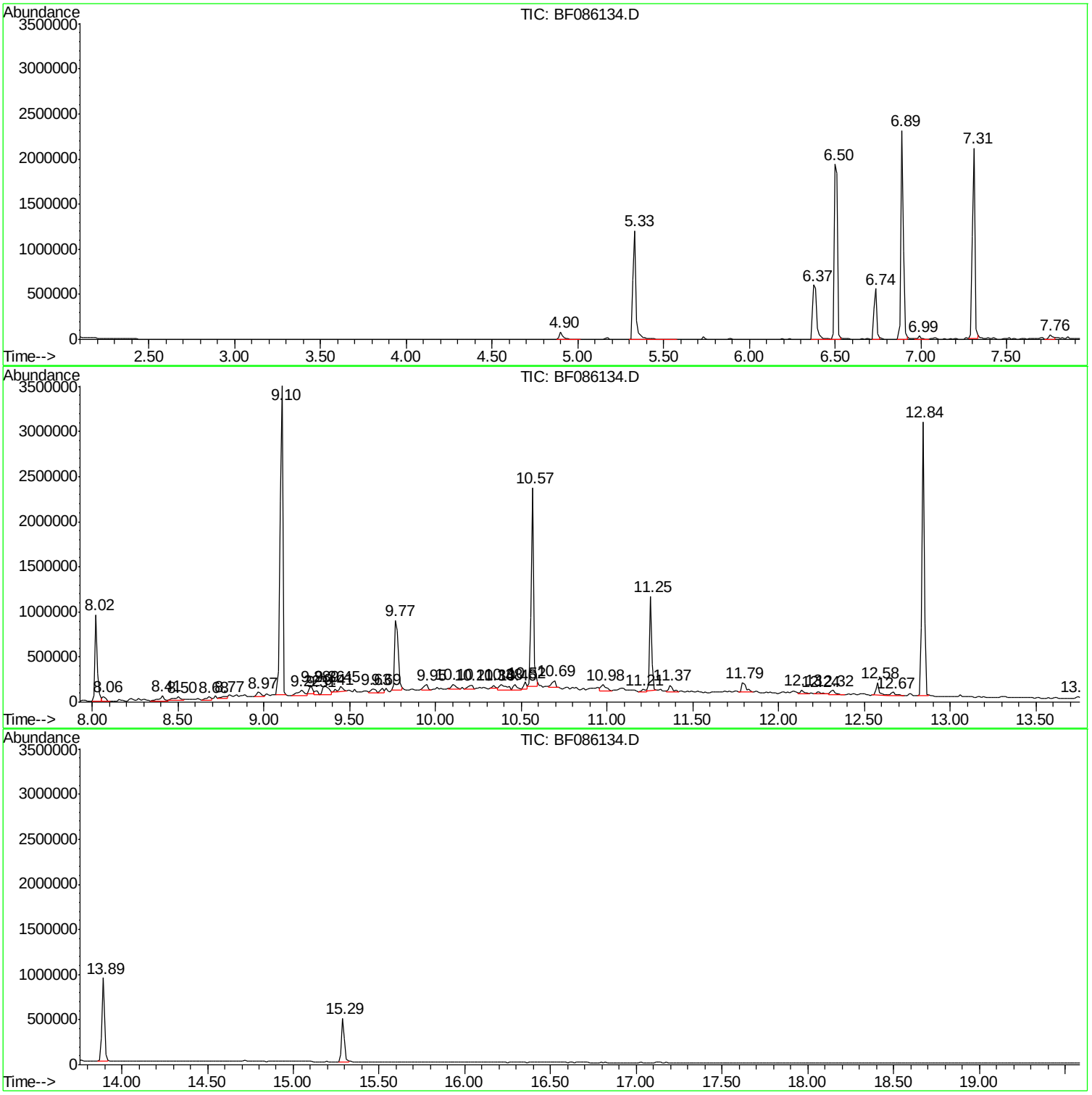
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

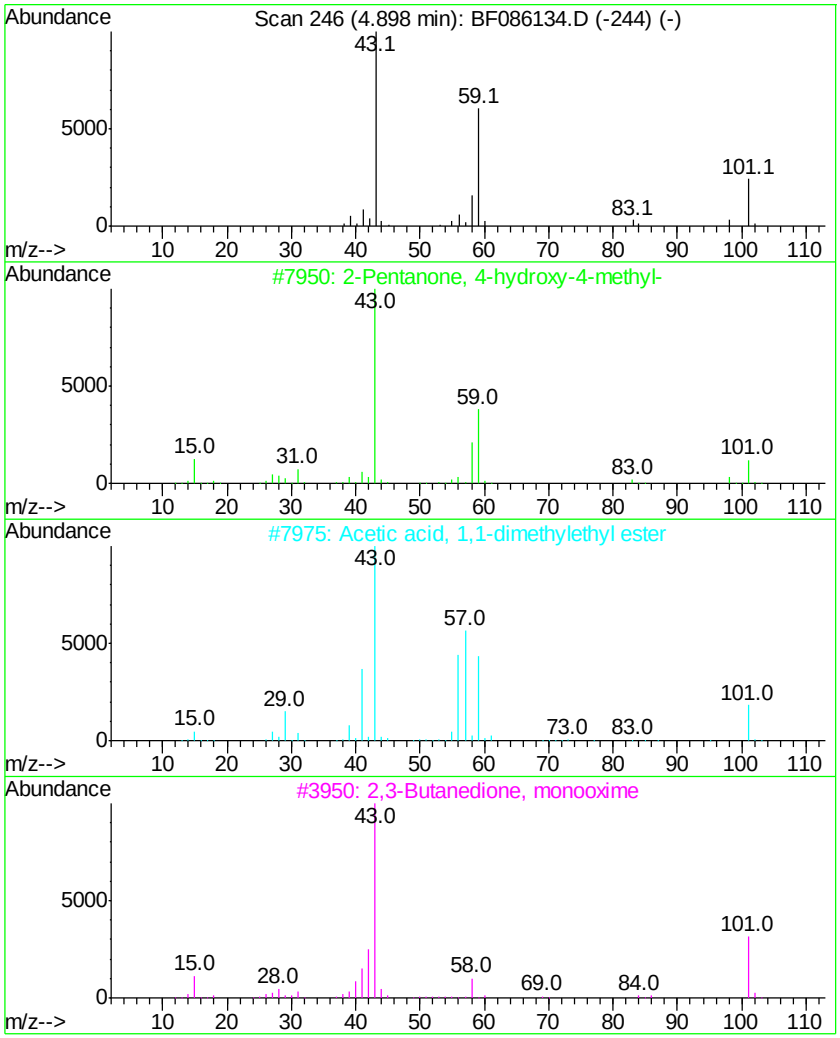
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

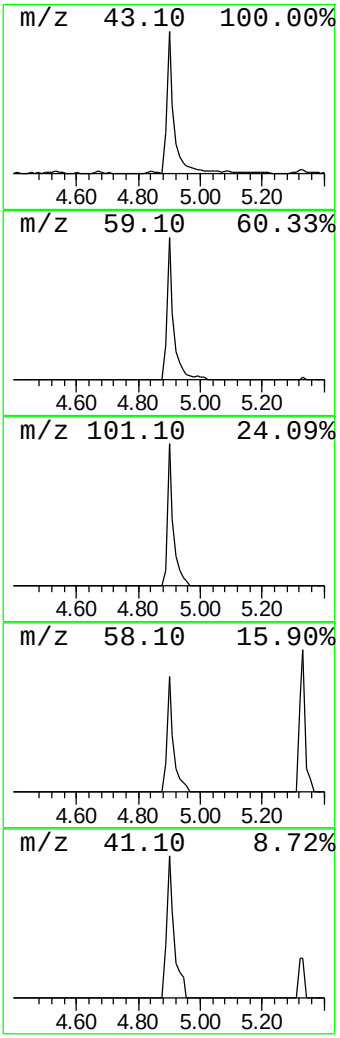
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.90 | 3.83 ng | 129058 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 32 |
| 4 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 25 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

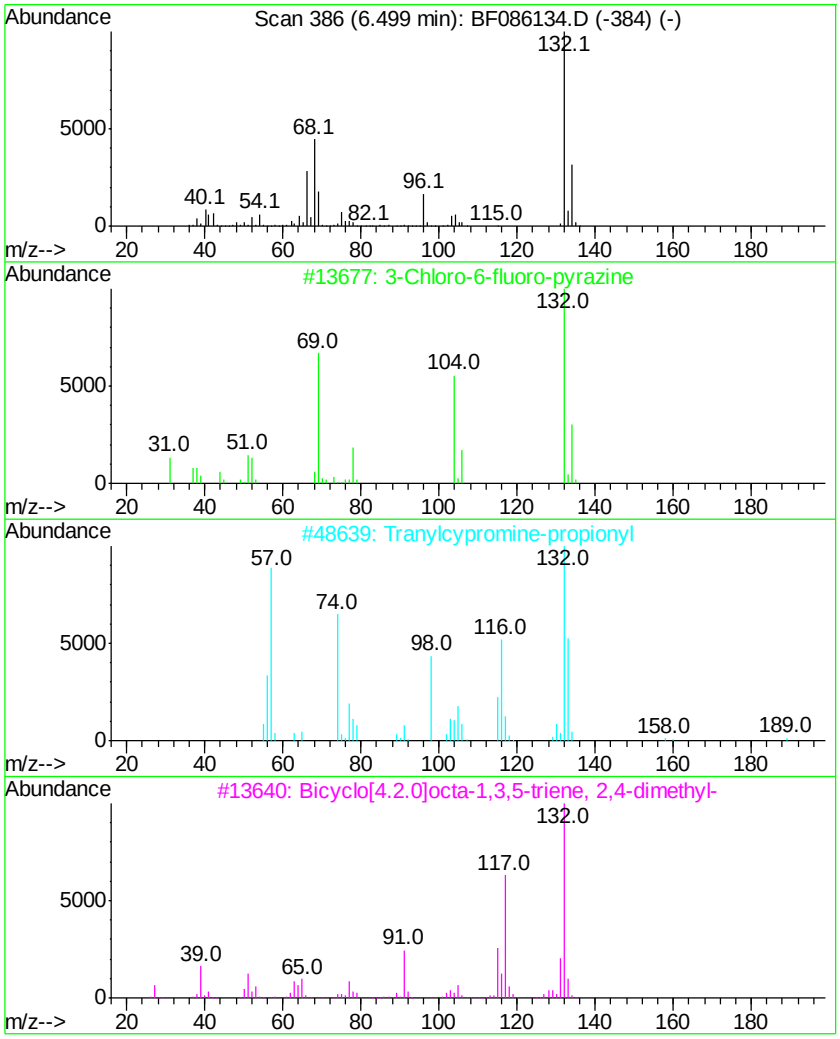
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

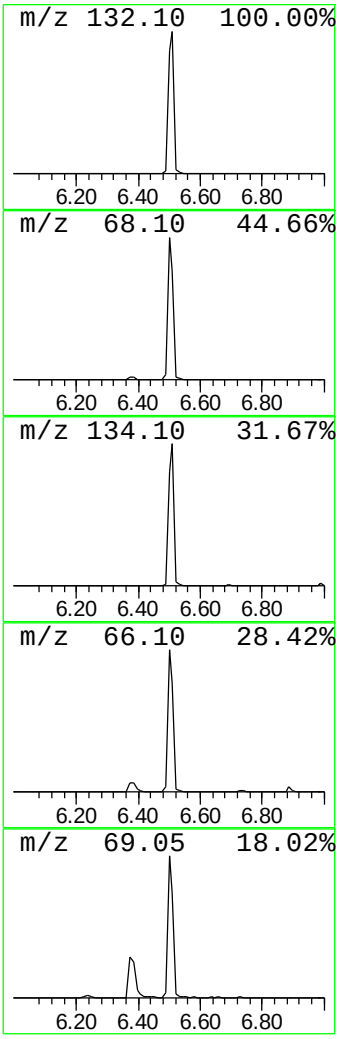
**********

Peak Number 2 unknown6.50 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.50 | 79.22 ng | 2669810 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 4 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |
| 5 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

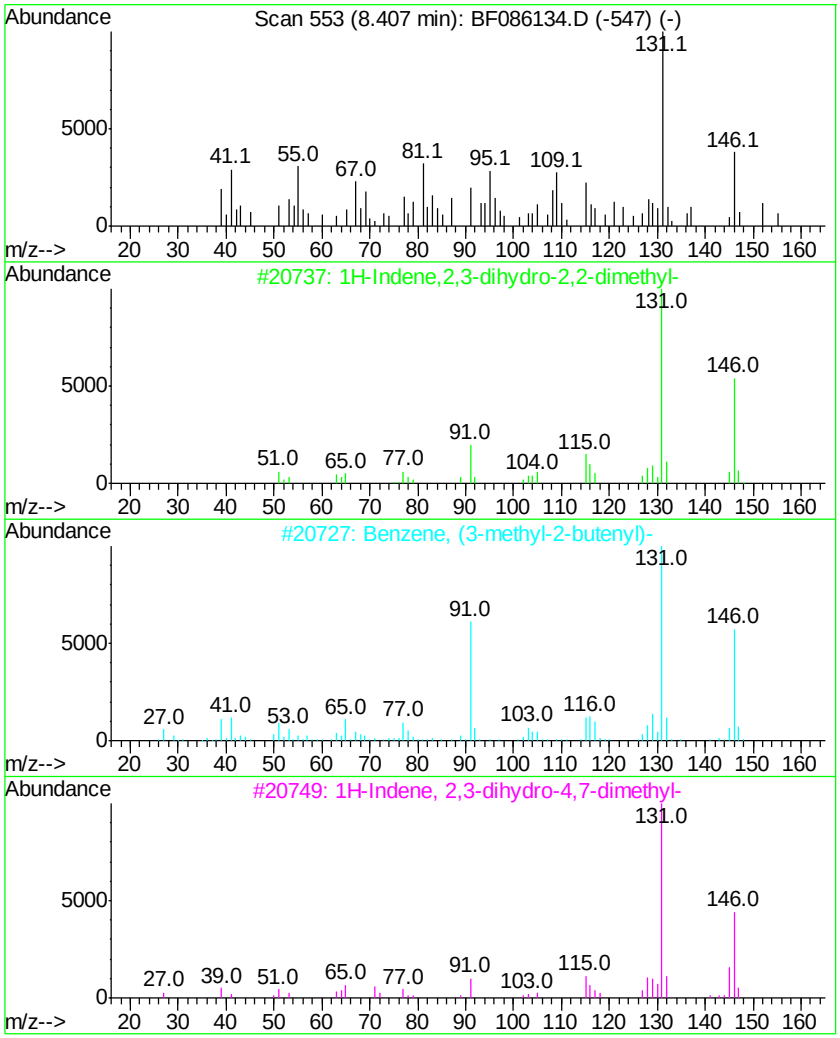
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

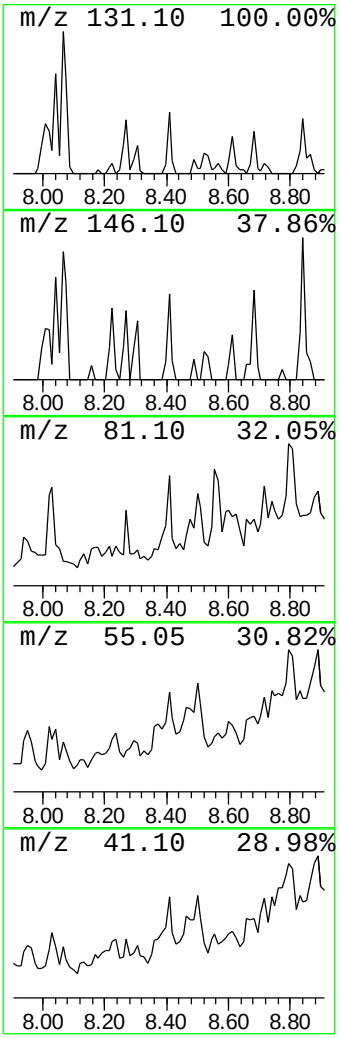
**********

Peak Number 4 1H-Indene,2,3-dihydro-2,2-d... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.41 | 2.34 ng | 116077 | Naphthalene-d8 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene,2,3-dihydro-2,2-dimethyl- | 146 | C11H14 | 020836-11-7 | 92 |
| 2 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 91 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 70 |
| 4 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 64 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 64 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

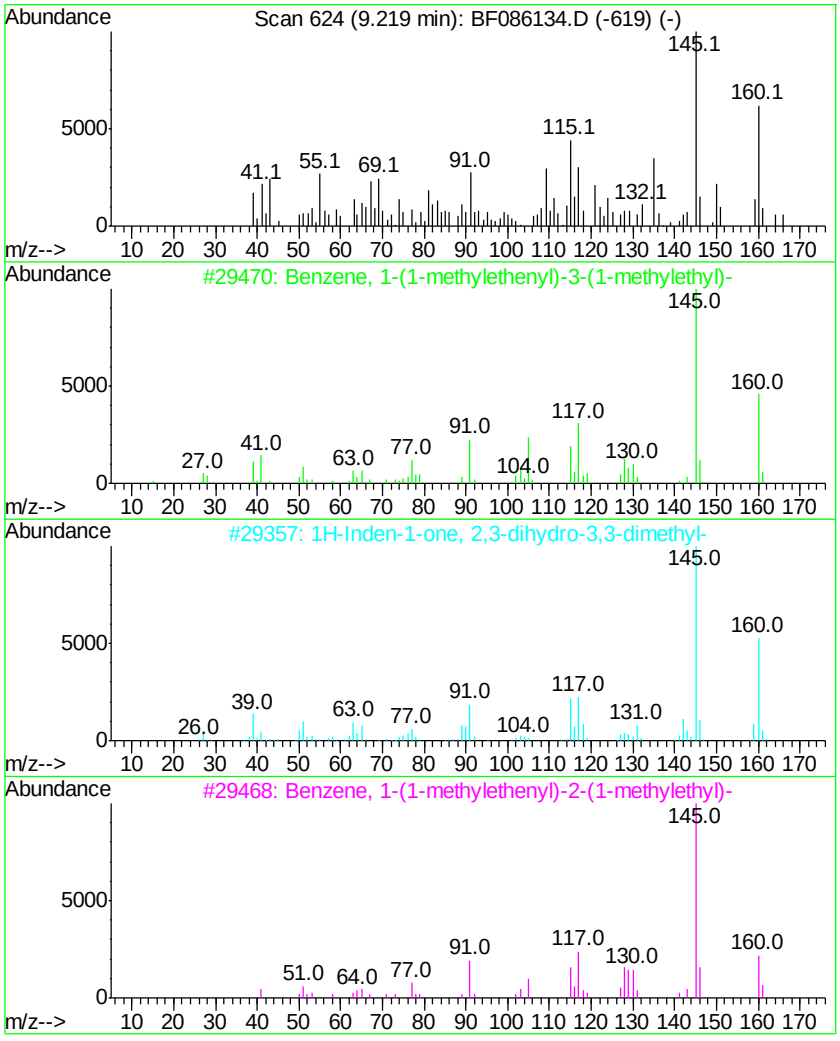
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

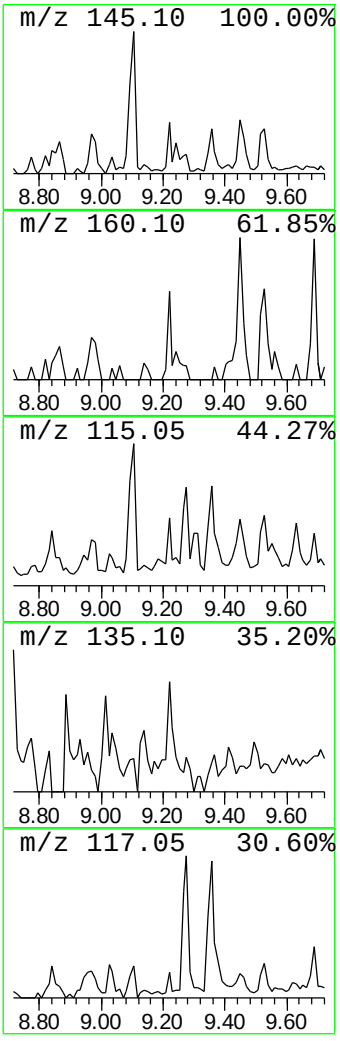
**********

Peak Number 5 Benzene, 1-(1-methylethenyl... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.22 | 2.72 ng | 150914 | Acenaphthene-d10 | 9.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16 | 001129-29-9 | 60 |
| 2 | 1H-Inden-1-one, 2,3-dihydro-3,3-... | 160 | C11H12O | 026465-81-6 | 58 |
| 3 | Benzene, 1-(1-methylethenyl)-2-(... | 160 | C12H16 | 005557-93-7 | 46 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 020027-77-4 | 46 |
| 5 | Benzene, 1-(1,1-dimethylethyl)-4... | 160 | C12H16 | 001746-23-2 | 46 |



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Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

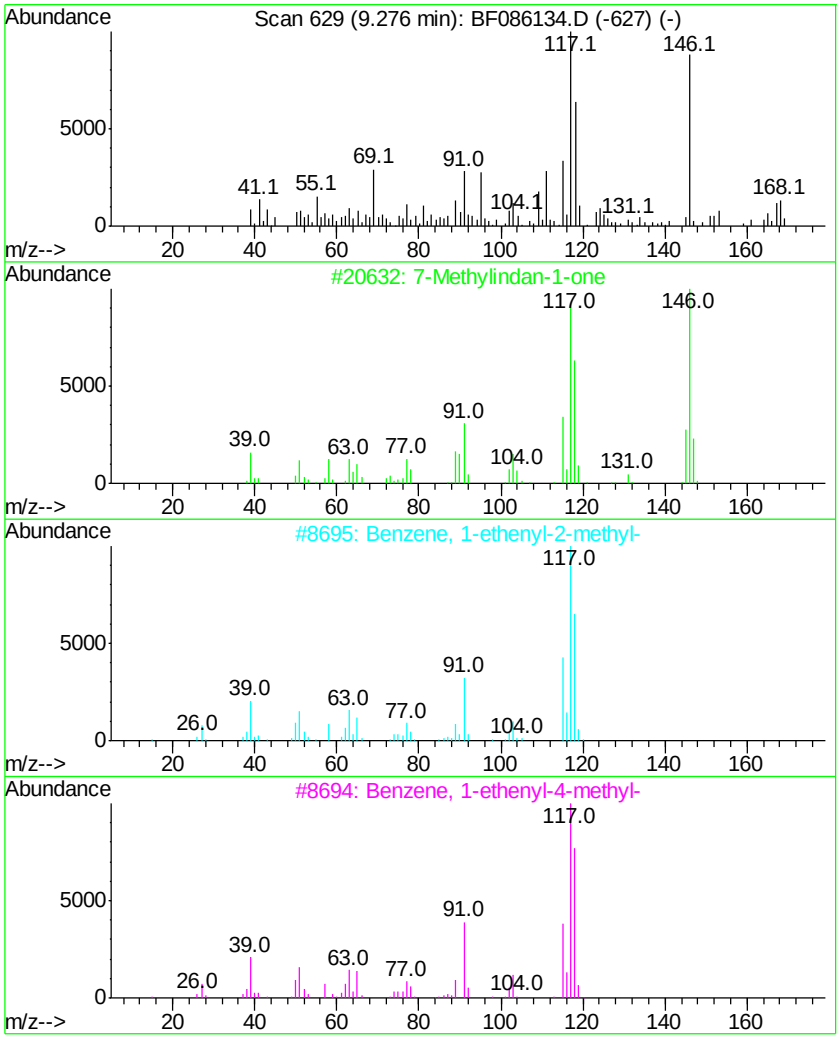
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

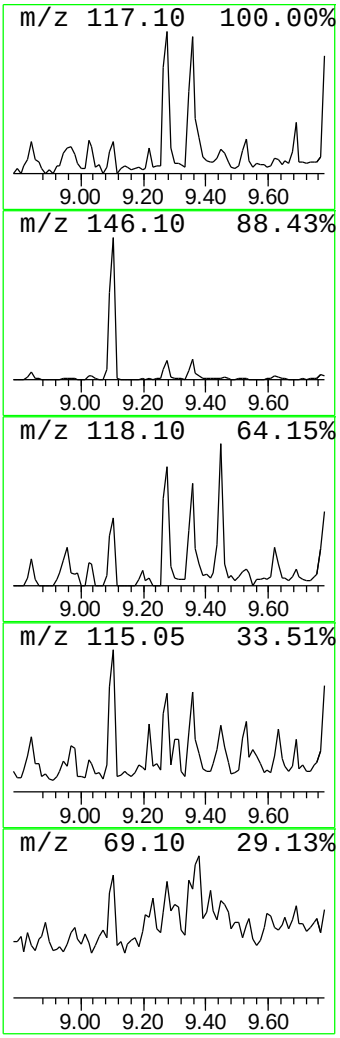
**********

Peak Number 6 7-Methylindan-1-one Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.28 | 2.18 ng | 120609 | Acenaphthene-d10 | 9.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Methylindan-1-one | 146 | C10H10O | 039627-61-7 | 89 |
| 2 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 55 |
| 3 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 49 |
| 4 | Benzene, 1-pentenyl- | 146 | C11H14 | 000826-18-6 | 49 |
| 5 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 42 |



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Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

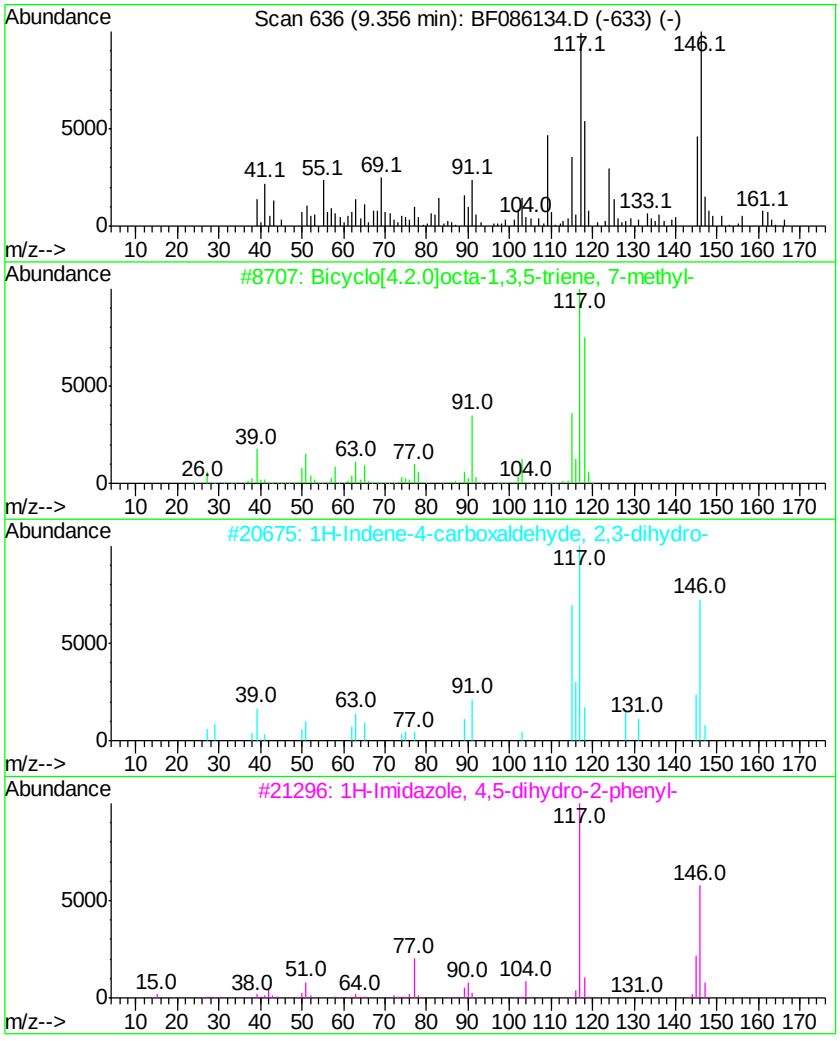
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

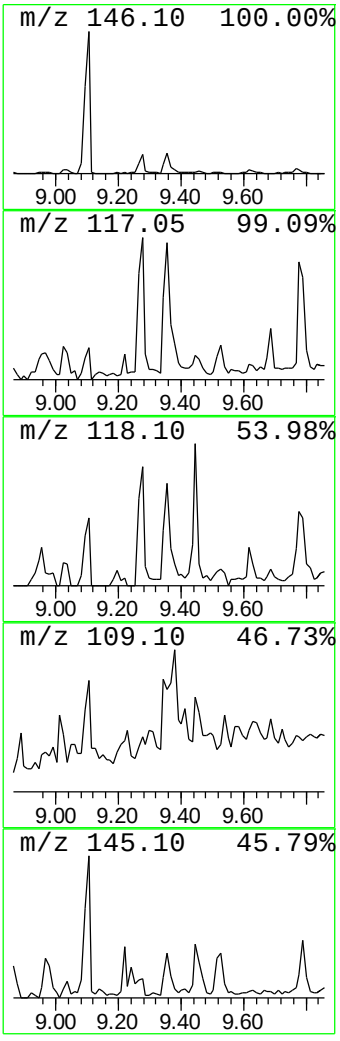
**********

Peak Number 7 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.36 | 4.22 ng | 233594 | Acenaphthene-d10 | 9.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118 | C9H10 | 055337-80-9 | 50 |
| 2 | 1H-Indene-4-carboxaldehyde, 2,3-... | 146 | C10H10O | 051932-70-8 | 49 |
| 3 | 1H-Imidazole, 4,5-dihydro-2-phenyl- | 146 | C9H10N2 | 000936-49-2 | 49 |
| 4 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 47 |
| 5 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 38 |



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Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

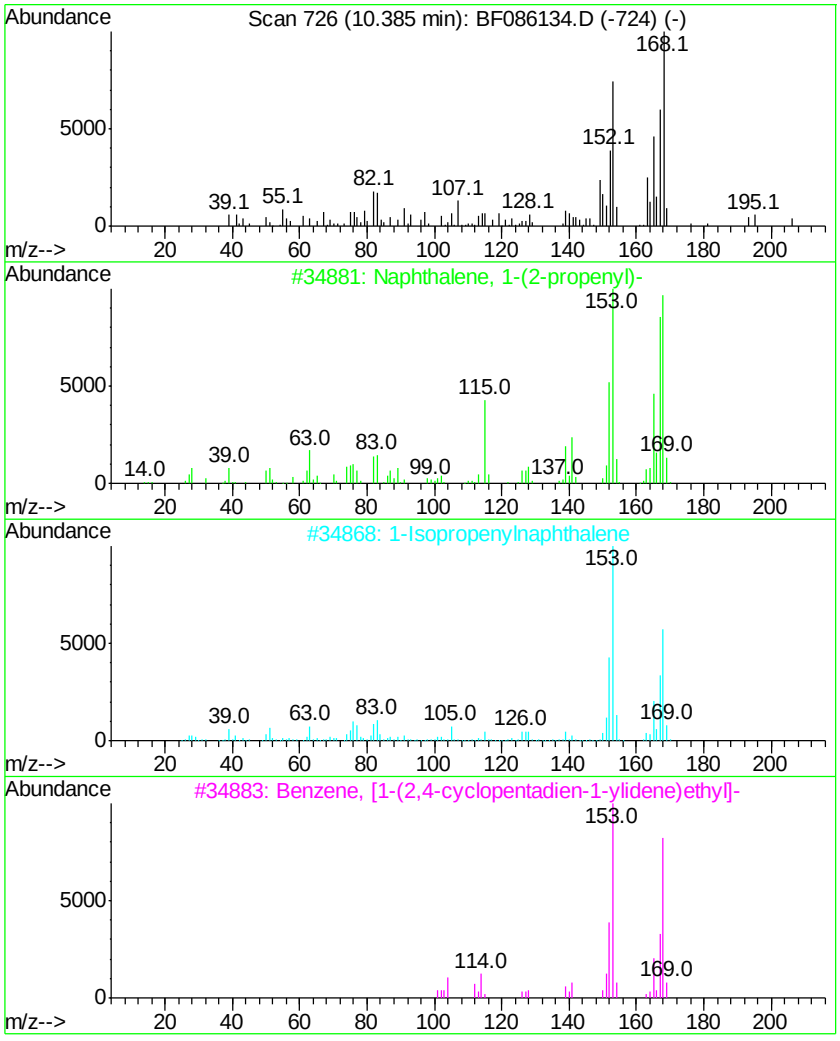
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

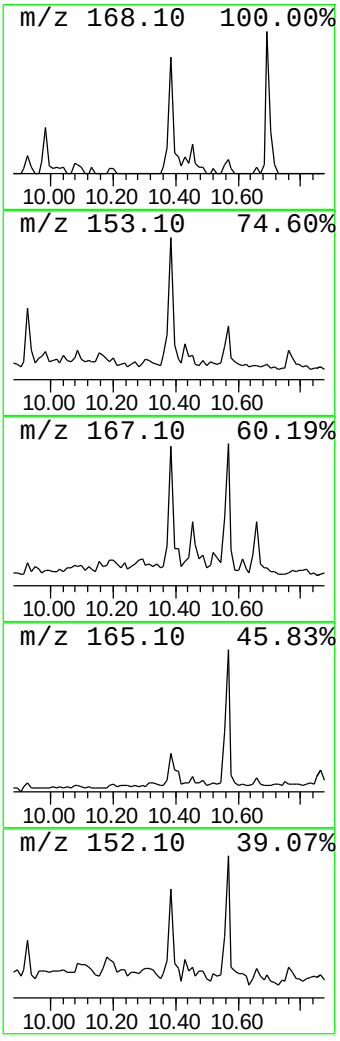
**********

Peak Number 8 Naphthalene, 1-(2-propenyl)- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.38 | 3.03 ng | 168143 | Acenaphthene-d10 | 9.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-(2-propenyl)- | 168 | C13H12 | 002489-86-3 | 68 |
| 2 | 1-Isopropenylnaphthalene | 168 | C13H12 | 001855-47-6 | 62 |
| 3 | Benzene, [1-(2,4-cyclopentadien-... | 168 | C13H12 | 002320-32-3 | 50 |
| 4 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 45 |
| 5 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 45 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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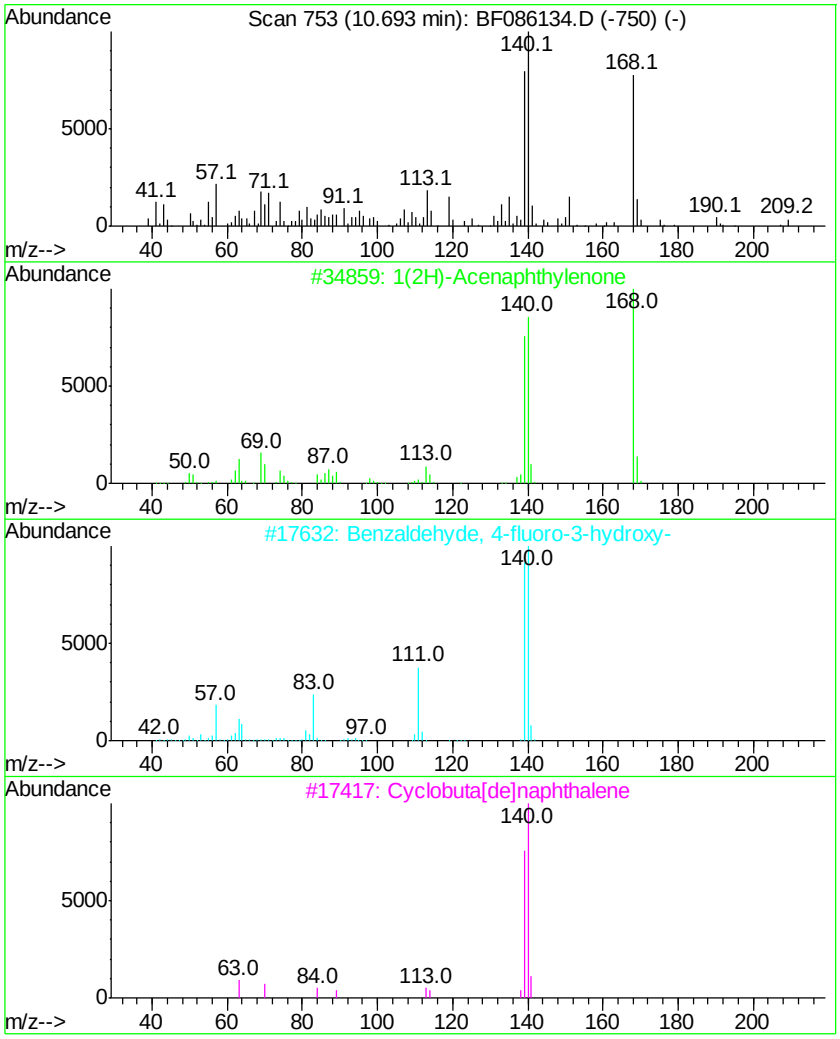
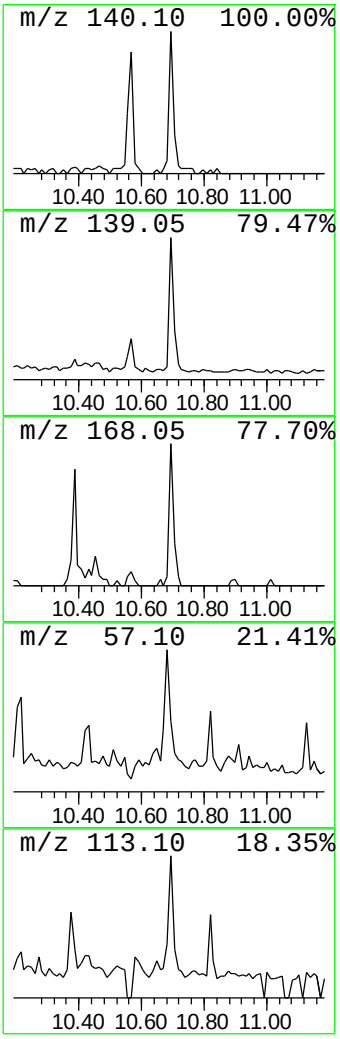
Peak Number 9 1(2H)-Acenaphthylenone Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.69 | 2.12 ng | 104034 | Phenanthrene-d10 | 11.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1(2H)-Acenaphthylenone | 168 | C12H8O | 002235-15-6 | 80 |
| 2 | Benzaldehyde, 4-fluoro-3-hydroxy- | 140 | C7H5FO2 | 103438-85-3 | 49 |
| 3 | Cyclobuta[de]naphthalene | 140 | C11H8 | 024973-91-9 | 46 |
| 4 | Benzene, 1,3,5-trimethoxy- | 168 | C9H12O3 | 000621-23-8 | 46 |
| 5 | Benzaldehyde, 2-fluoro-3-hydroxy- | 140 | C7H5FO2 | 103438-86-4 | 43 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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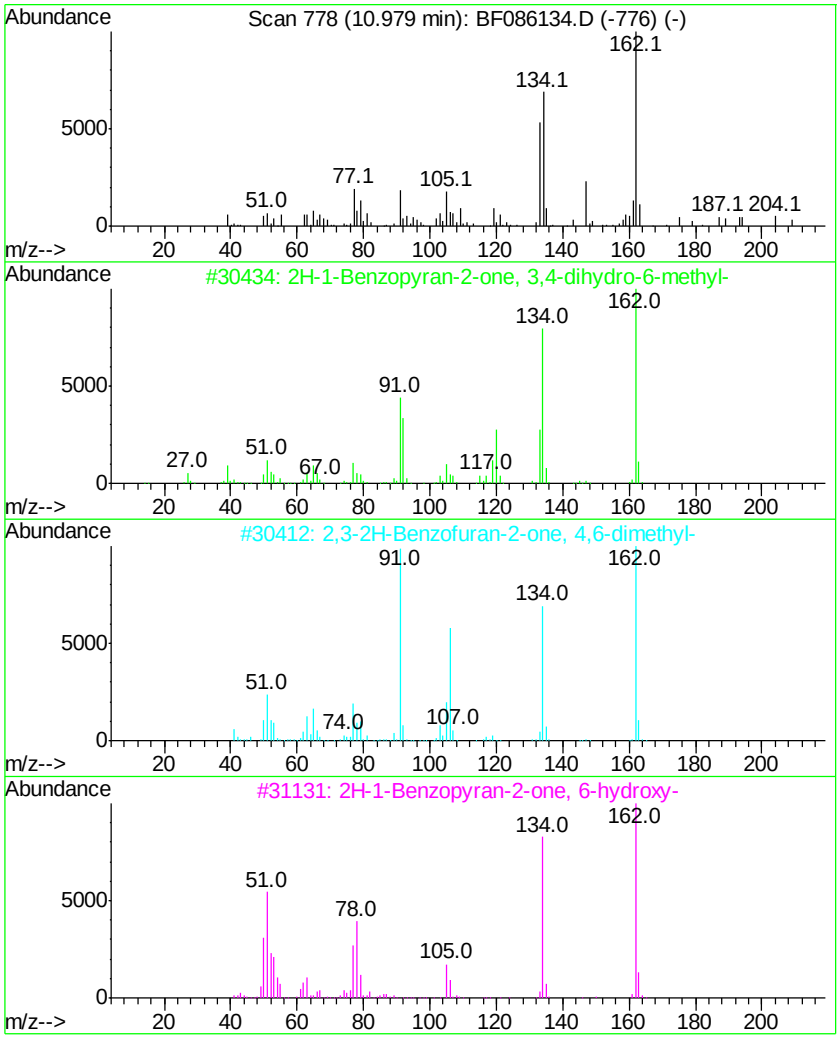
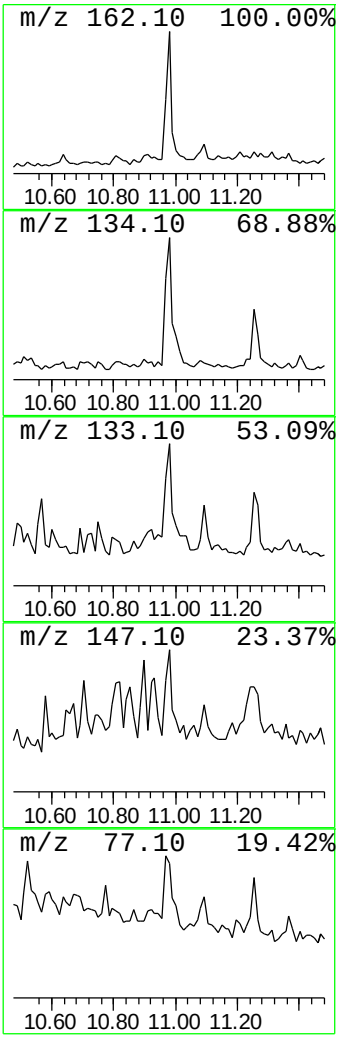
Peak Number 10 2H-1-Benzopyran-2-one, 3,4-... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.98 | 2.55 ng | 124991 | Phenanthrene-d10 | 11.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-1-Benzopyran-2-one, 3,4-dihyd... | 162 | C10H10O2 | 000092-47-7 | 62 |
| 2 | 2,3-2H-Benzofuran-2-one, 4,6-dim... | 162 | C10H10O2 | 033901-25-6 | 60 |
| 3 | 2H-1-Benzopyran-2-one, 6-hydroxy- | 162 | C9H6O3 | 006093-68-1 | 53 |
| 4 | 6-Methoxy-1-indanone | 162 | C10H10O2 | 013623-25-1 | 52 |
| 5 | 3(2H)-Benzofuranone, 4,5-dimethyl- | 162 | C10H10O2 | 020895-42-5 | 52 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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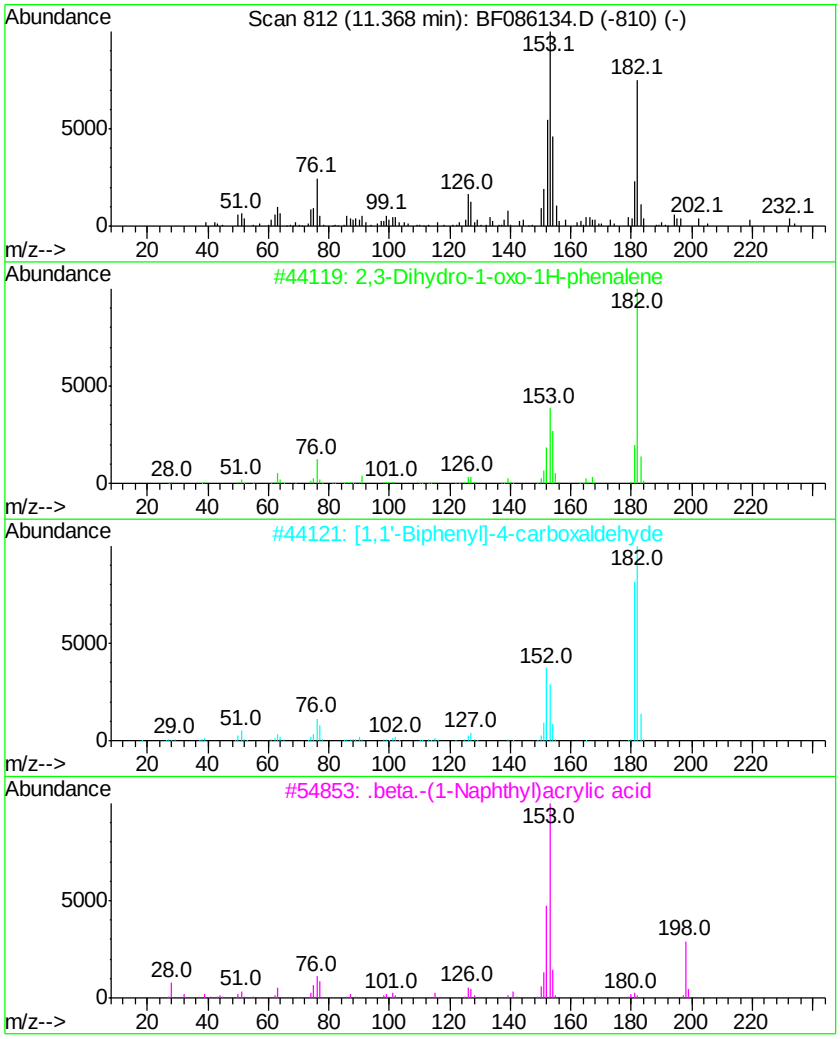
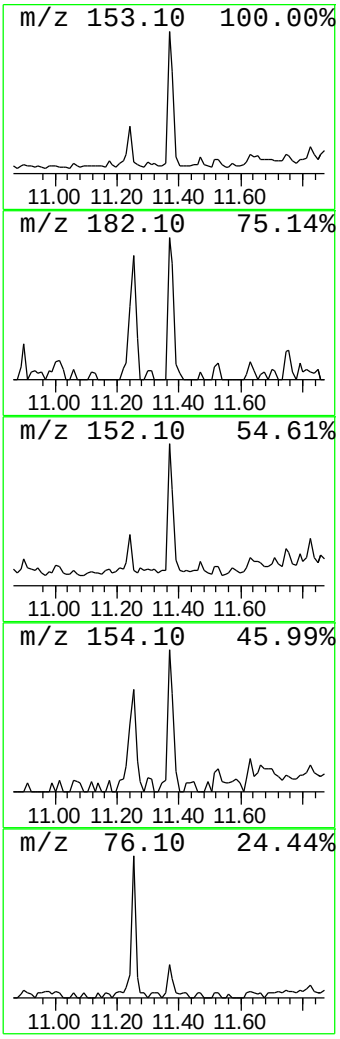
Peak Number 11 2,3-Dihydro-1-oxo-1H-phenalene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.37 | 2.26 ng | 110957 | Phenanthrene-d10 | 11.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3-Dihydro-1-oxo-1H-phenalene | 182 | C13H10O | 000518-85-4 | 81 |
| 2 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 47 |
| 3 | .beta.-(1-Naphthyl)acrylic acid | 198 | C13H10O2 | 013026-12-5 | 43 |
| 4 | 8H-Thiazolo[5,4-c]azepin-8-one, ... | 182 | C8H10N2OS | 031967-03-0 | 38 |
| 5 | Phenanthrene, 1,2,3,4-tetrahydro- | 182 | C14H14 | 001013-08-7 | 38 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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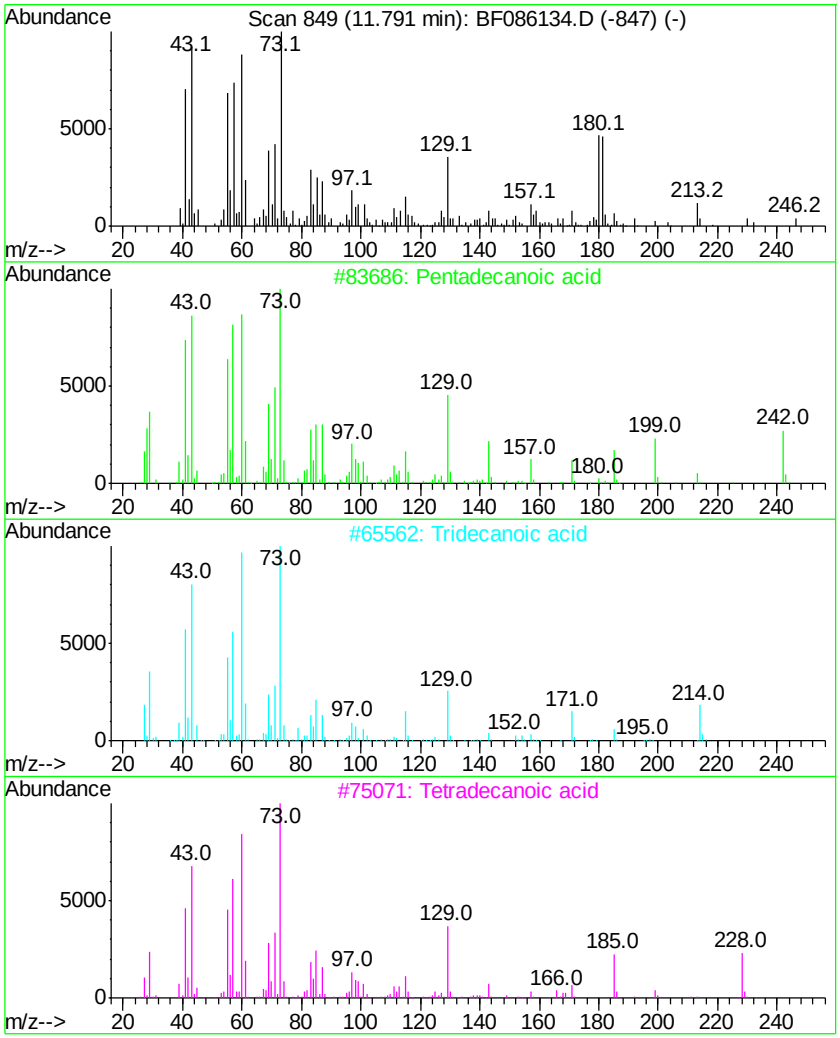
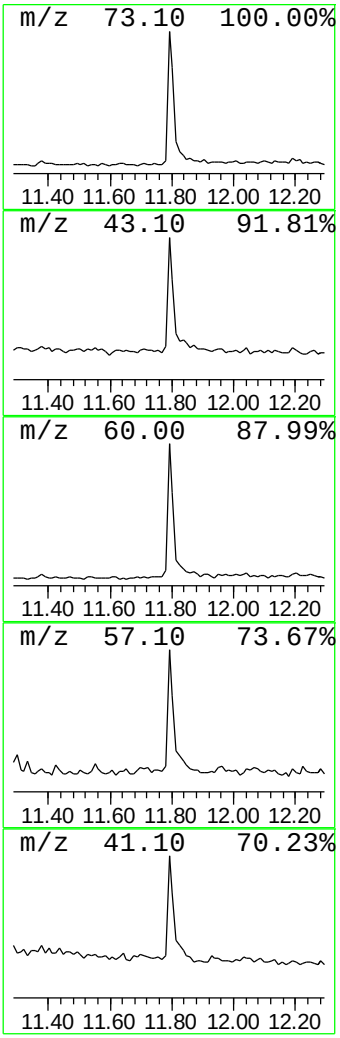
Peak Number 12 Pentadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.79 | 3.88 ng | 190000 | Phenanthrene-d10 | 11.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 62 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 60 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 58 |
| 4 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 49 |
| 5 | Nonanoic acid | 158 | C9H18O2 | 000112-05-0 | 22 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040716\
Data File : BF086134.D
Acq On : 7 Apr 2016 16:14
Operator : UM/SJ
Sample : H2230-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-3-040116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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... | 4.90 | 3.8 | ng | 129058 | 1 | 6.74 | 674035 | 20.0 |
| unknown6.50 | 6.50 | 79.2 | ng | 2669810 | 1 | 6.74 | 674035 | 20.0 |
| 1H-Indene,2,3-dih... | 8.41 | 2.3 | ng | 116077 | 2 | 8.02 | 993757 | 20.0 |
| Benzene, 1-(1-met... | 9.22 | 2.7 | ng | 150914 | 3 | 9.77 | 1108070 | 20.0 |
| 7-Methylindan-1-one | 9.28 | 2.2 | ng | 120609 | 3 | 9.77 | 1108070 | 20.0 |
| Bicyclo[4.2.0]oct... | 9.36 | 4.2 | ng | 233594 | 3 | 9.77 | 1108070 | 20.0 |
| Naphthalene, 1-(2... | 10.38 | 3.0 | ng | 168143 | 3 | 9.77 | 1108070 | 20.0 |
| 1(2H)-Acenaphthyl... | 10.69 | 2.1 | ng | 104034 | 4 | 11.25 | 980588 | 20.0 |
| 2H-1-Benzopyran-2... | 10.98 | 2.5 | ng | 124991 | 4 | 11.25 | 980588 | 20.0 |
| 2,3-Dihydro-1-oxo... | 11.37 | 2.3 | ng | 110957 | 4 | 11.25 | 980588 | 20.0 |
| Pentadecanoic acid | 11.79 | 3.9 | ng | 190000 | 4 | 11.25 | 980588 | 20.0 |