LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

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-BF122215.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 | 4.990 | 252 | 254 | 260 | rVB | 62608 | 73089 | 3.95% | 0.645% |
| 2 | 5.436 | 291 | 293 | 300 | rBV | 572370 | 525271 | 28.37% | 4.635% |
| 3 | 6.464 | 382 | 383 | 386 | rBV2 | 272807 | 324103 | 17.51% | 2.860% |
| 4 | 6.590 | 392 | 394 | 397 | rBV | 1096000 | 1018474 | 55.01% | 8.988% |
| 5 | 6.819 | 412 | 414 | 416 | rBV | 354344 | 299918 | 16.20% | 2.647% |
| 6 | 6.979 | 425 | 428 | 430 | rBV | 1151105 | 1145533 | 61.88% | 10.109% |
| 7 | 7.390 | 461 | 464 | 466 | rBV | 665529 | 883546 | 47.72% | 7.797% |
| 8 | 7.847 | 502 | 504 | 508 | rBB2 | 19630 | 19629 | 1.06% | 0.173% |
| 9 | 8.099 | 524 | 526 | 529 | rBV | 332545 | 392602 | 21.21% | 3.465% |
| 10 | 9.047 | 607 | 609 | 610 | rBV | 25385 | 20093 | 1.09% | 0.177% |
| 11 | 9.082 | 610 | 612 | 616 | rVB | 46858 | 58568 | 3.16% | 0.517% |
| 12 | 9.185 | 618 | 621 | 623 | rBV | 1998396 | 1851361 | 100.00% | 16.337% |
| 13 | 9.287 | 627 | 630 | 632 | rVV2 | 23584 | 32322 | 1.75% | 0.285% |
| 14 | 9.322 | 632 | 633 | 635 | rVB | 50327 | 46248 | 2.50% | 0.408% |
| 15 | 9.356 | 635 | 636 | 638 | rBV | 30062 | 44720 | 2.42% | 0.395% |
| 16 | 9.390 | 638 | 639 | 641 | rVB | 159777 | 122208 | 6.60% | 1.078% |
| 17 | 9.573 | 653 | 655 | 657 | rBV | 22297 | 25504 | 1.38% | 0.225% |
| 18 | 9.608 | 657 | 658 | 660 | rVV | 21110 | 28974 | 1.57% | 0.256% |
| 19 | 9.653 | 660 | 662 | 664 | rVB | 23043 | 19577 | 1.06% | 0.173% |
| 20 | 9.859 | 678 | 680 | 682 | rVB | 514079 | 435716 | 23.53% | 3.845% |
| 21 | 10.293 | 714 | 718 | 720 | rVB3 | 22032 | 41356 | 2.23% | 0.365% |
| 22 | 10.648 | 746 | 749 | 752 | rBV | 949343 | 880005 | 47.53% | 7.766% |
| 23 | 10.762 | 758 | 759 | 764 | rBV2 | 12294 | 25409 | 1.37% | 0.224% |
| 24 | 11.345 | 807 | 810 | 812 | rBV | 357409 | 354139 | 19.13% | 3.125% |
| 25 | 11.505 | 819 | 824 | 827 | rBV2 | 14244 | 46316 | 2.50% | 0.409% |
| 26 | 11.551 | 827 | 828 | 830 | rVV | 29889 | 27969 | 1.51% | 0.247% |
| 27 | 11.608 | 830 | 833 | 834 | rVV2 | 14035 | 23418 | 1.26% | 0.207% |
| 28 | 11.653 | 834 | 837 | 840 | rVV2 | 16187 | 35604 | 1.92% | 0.314% |
| 29 | 11.768 | 845 | 847 | 851 | rVB2 | 23855 | 23806 | 1.29% | 0.210% |
| 30 | 12.053 | 868 | 872 | 873 | rBV2 | 12741 | 28028 | 1.51% | 0.247% |
| 31 | 12.088 | 873 | 875 | 876 | rVV | 22466 | 32444 | 1.75% | 0.286% |
| 32 | 12.122 | 876 | 878 | 881 | rVB2 | 42960 | 58953 | 3.18% | 0.520% |
| 33 | 12.282 | 890 | 892 | 894 | rBV2 | 21670 | 20507 | 1.11% | 0.181% |
| 34 | 12.362 | 894 | 899 | 902 | rVV | 53793 | 59989 | 3.24% | 0.529% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

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-BF122215.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.568 | 912 | 917 | 920 | rBV3 | 43472 | 84654 | 4.57% | 0.747% |
| 36 | 12.625 | 920 | 922 | 924 | rVV2 | 85321 | 109452 | 5.91% | 0.966% |
| 37 | 12.705 | 926 | 929 | 932 | rVB | 44922 | 52829 | 2.85% | 0.466% |
| 38 | 12.751 | 932 | 933 | 937 | rBV3 | 15163 | 22915 | 1.24% | 0.202% |
| 39 | 12.922 | 946 | 948 | 951 | rBV | 1045482 | 1132098 | 61.15% | 9.990% |
| 40 | 13.185 | 966 | 971 | 975 | rVB7 | 11492 | 39413 | 2.13% | 0.348% |
| 41 | 13.288 | 977 | 980 | 981 | rBV | 39108 | 56855 | 3.07% | 0.502% |
| 42 | 13.505 | 996 | 999 | 1000 | rBV | 14070 | 25484 | 1.38% | 0.225% |
| 43 | 13.711 | 1013 | 1017 | 1019 | rBV | 18308 | 24927 | 1.35% | 0.220% |
| 44 | 13.825 | 1024 | 1027 | 1031 | rBV | 37779 | 46655 | 2.52% | 0.412% |
| 45 | 13.985 | 1038 | 1041 | 1043 | rVB | 208411 | 251698 | 13.60% | 2.221% |
| 46 | 14.362 | 1066 | 1074 | 1080 | rBV4 | 9028 | 49216 | 2.66% | 0.434% |
| 47 | 15.414 | 1163 | 1166 | 1170 | rVB | 163593 | 242640 | 13.11% | 2.141% |
| 48 | 16.317 | 1242 | 1245 | 1251 | rVB4 | 15260 | 33522 | 1.81% | 0.296% |
| 49 | 16.488 | 1257 | 1260 | 1264 | rVB | 20991 | 36909 | 1.99% | 0.326% |
| 50 | 17.265 | 1324 | 1328 | 1332 | rBV4 | 10657 | 28772 | 1.55% | 0.254% |
| 51 | 18.271 | 1411 | 1416 | 1423 | rVB2 | 25095 | 68561 | 3.70% | 0.605% |

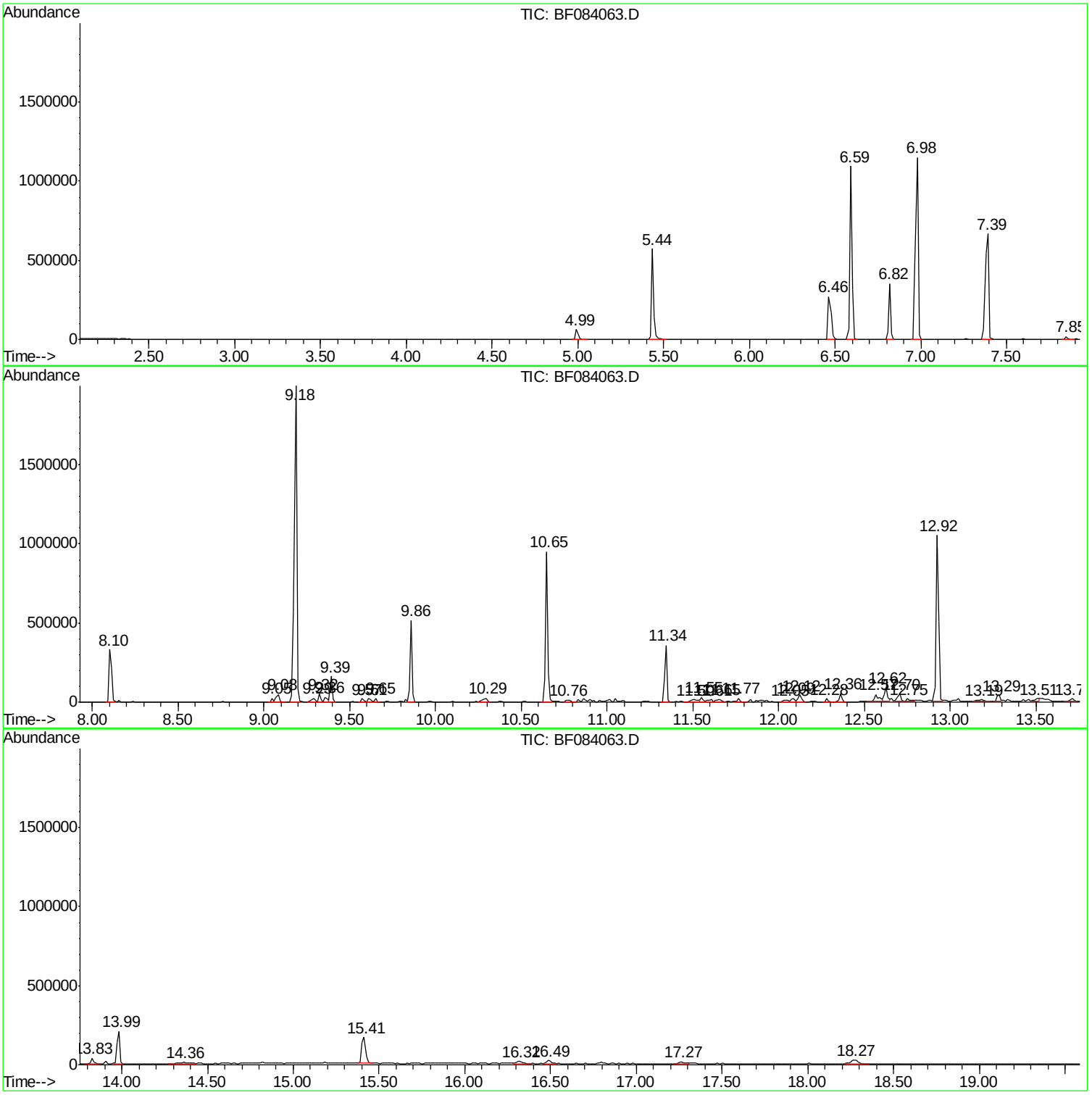
Sum of corrected areas: 11331999

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.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\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

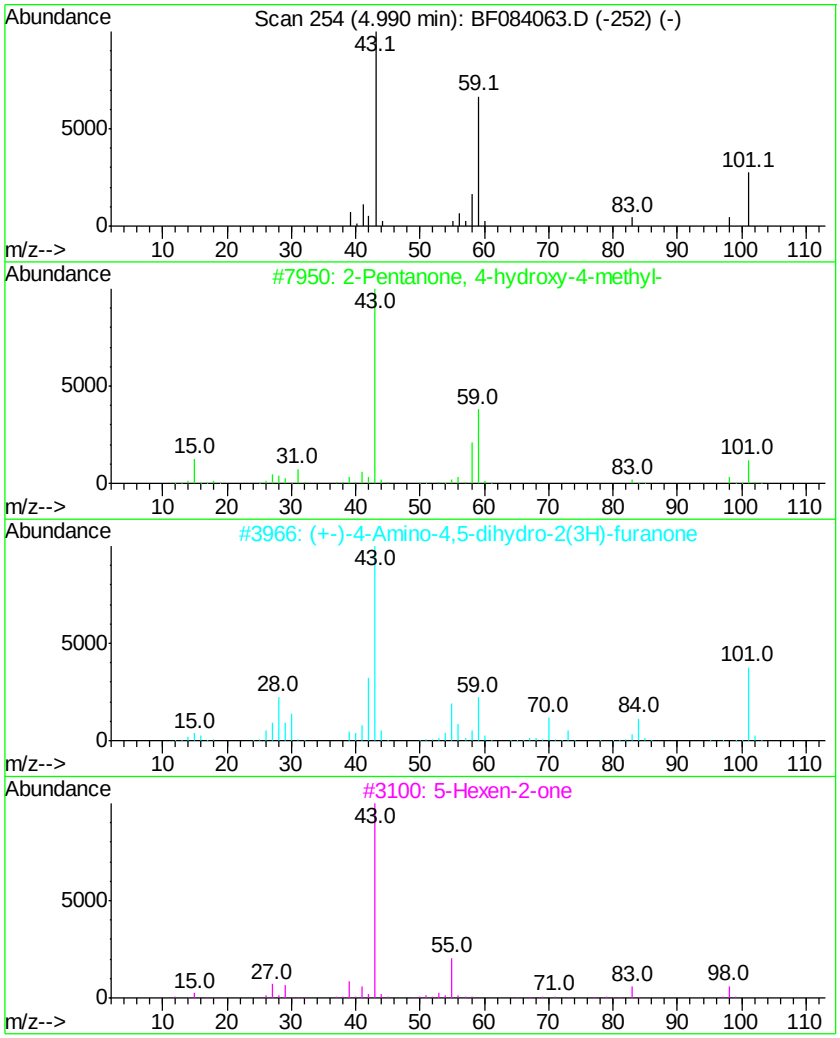
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

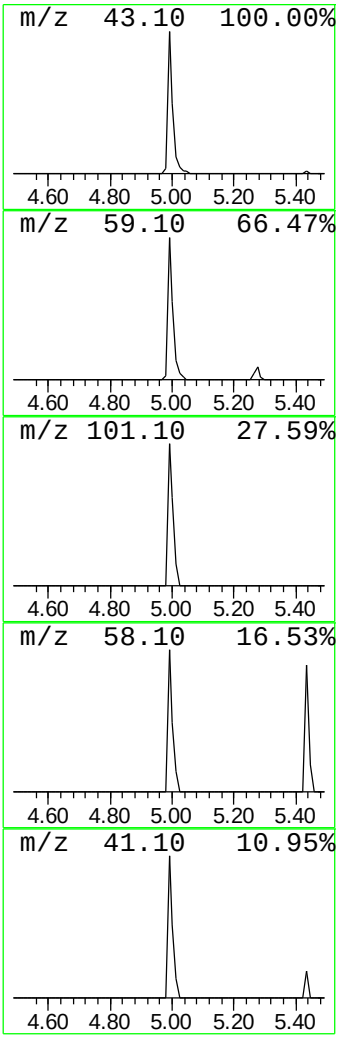
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.99 | 4.87 ng | 73089 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 25 |
| 3 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 5 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

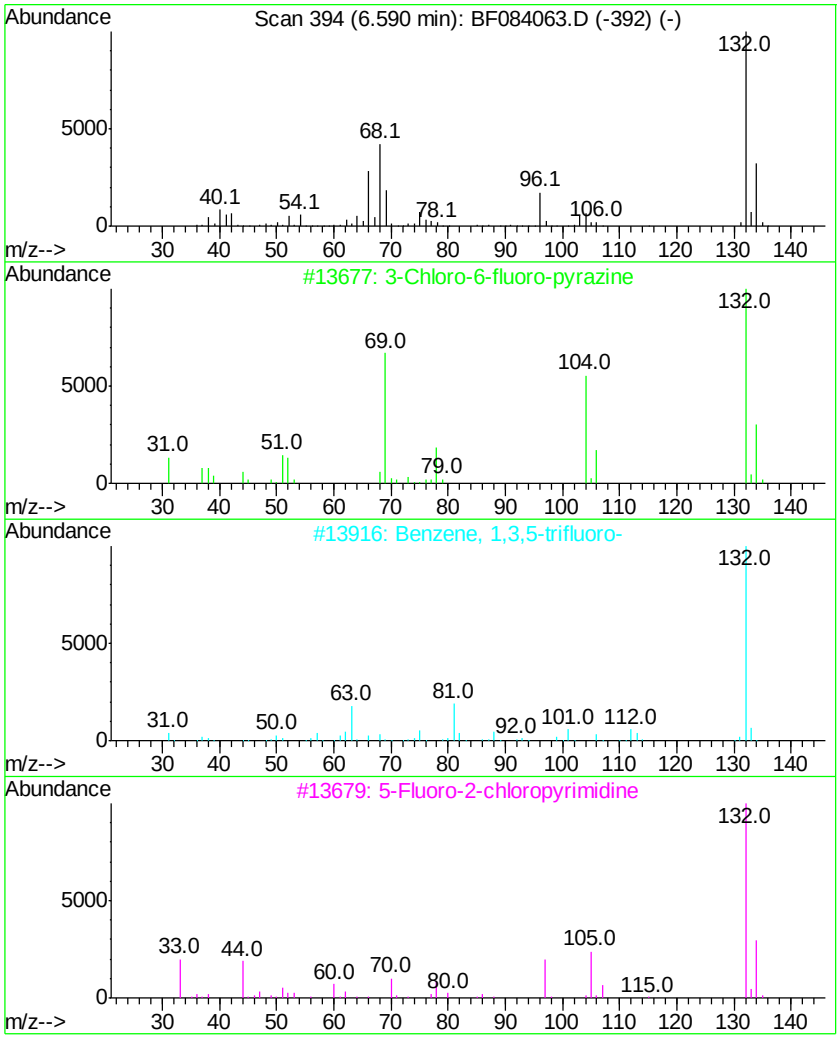
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

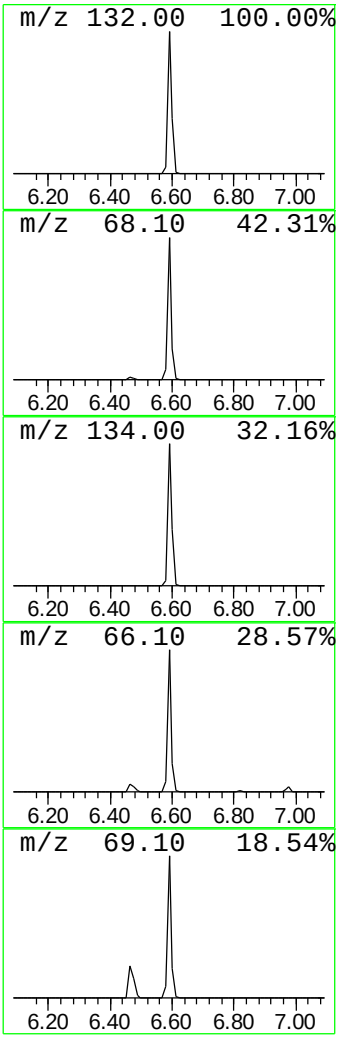
**********

Peak Number 2 unknown6.59 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.59 | 67.92 ng | 1018470 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 14 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |
| 4 | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2 | 1000241-93-9 | 10 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

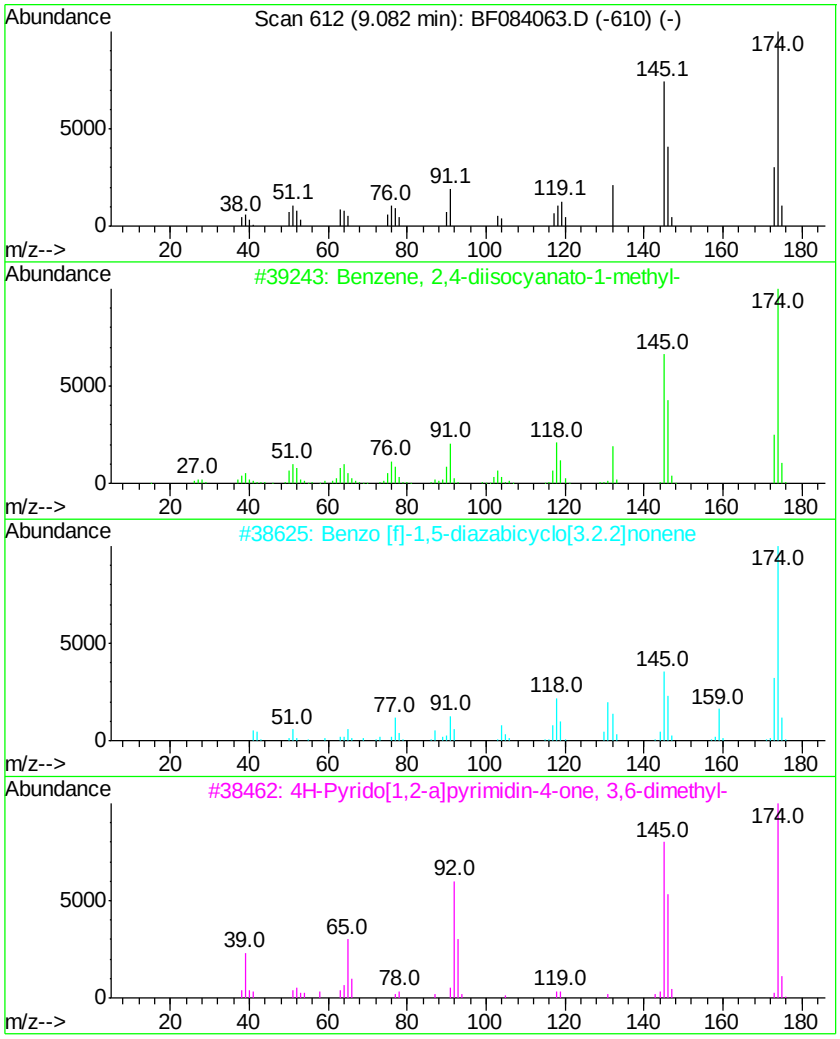
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

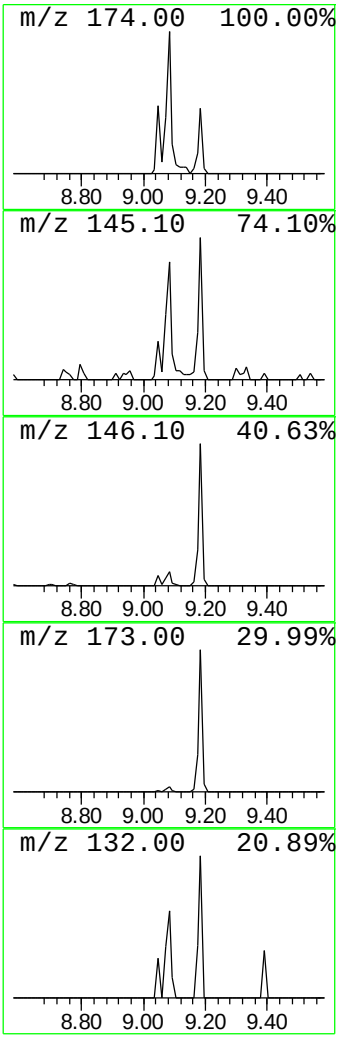
**********

Peak Number 4 Benzene, 2,4-diisocyanato-1... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.08 | 2.69 ng | 58568 | Acenaphthene-d10 | 9.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2,4-diisocyanato-1-methyl- | 174 | C9H6N2O2 | 000584-84-9 | 94 |
| 2 | Benzo [f]-1,5-diazabicyclo[3.2.2... | 174 | C11H14N2 | 007092-76-4 | 64 |
| 3 | 4H-Pyrido[1,2-a]pyrimidin-4-one,... | 174 | C10H10N2O | 039080-46-1 | 64 |
| 4 | Benzene, 1,3-diisocyanato-2-methyl- | 174 | C9H6N2O2 | 000091-08-7 | 58 |
| 5 | 3-Ethyl-1,2-dihydro-2-oxoquinoxa... | 174 | C10H10N2O | 013297-35-3 | 58 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

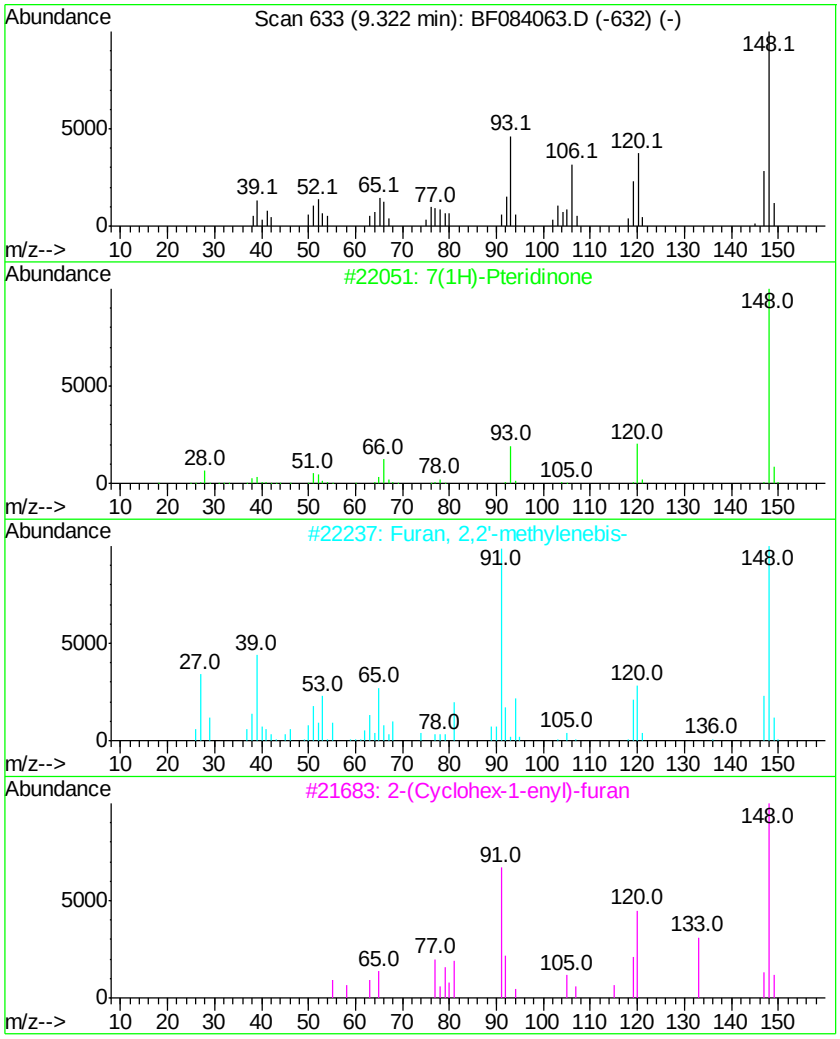
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

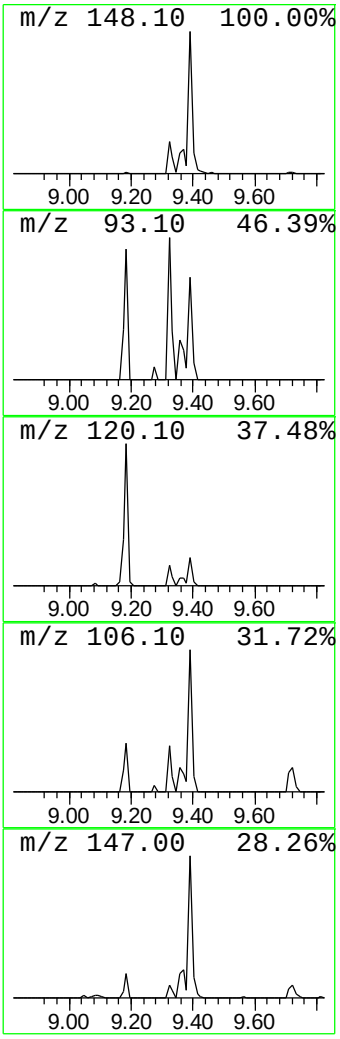
**********

Peak Number 5 7(1H)-Pteridinone Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.32 | 2.12 ng | 46248 | Acenaphthene-d10 | 9.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7(1H)-Pteridinone | 148 | C6H4N4O | 002432-27-1 | 60 |
| 2 | Furan, 2,2'-methylenebis- | 148 | C9H8O2 | 001197-40-6 | 52 |
| 3 | 2-(Cyclohex-1-enyl)-furan | 148 | C10H12O | 014174-50-6 | 49 |
| 4 | Indole-2-one, 2,3-dihydro-6-amino- | 148 | C8H8N2O | 150544-04-0 | 49 |
| 5 | 1,2,4-Triazolo[4,3-a]pyridin-3-a... | 148 | C7H8N4 | 005006-56-4 | 49 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

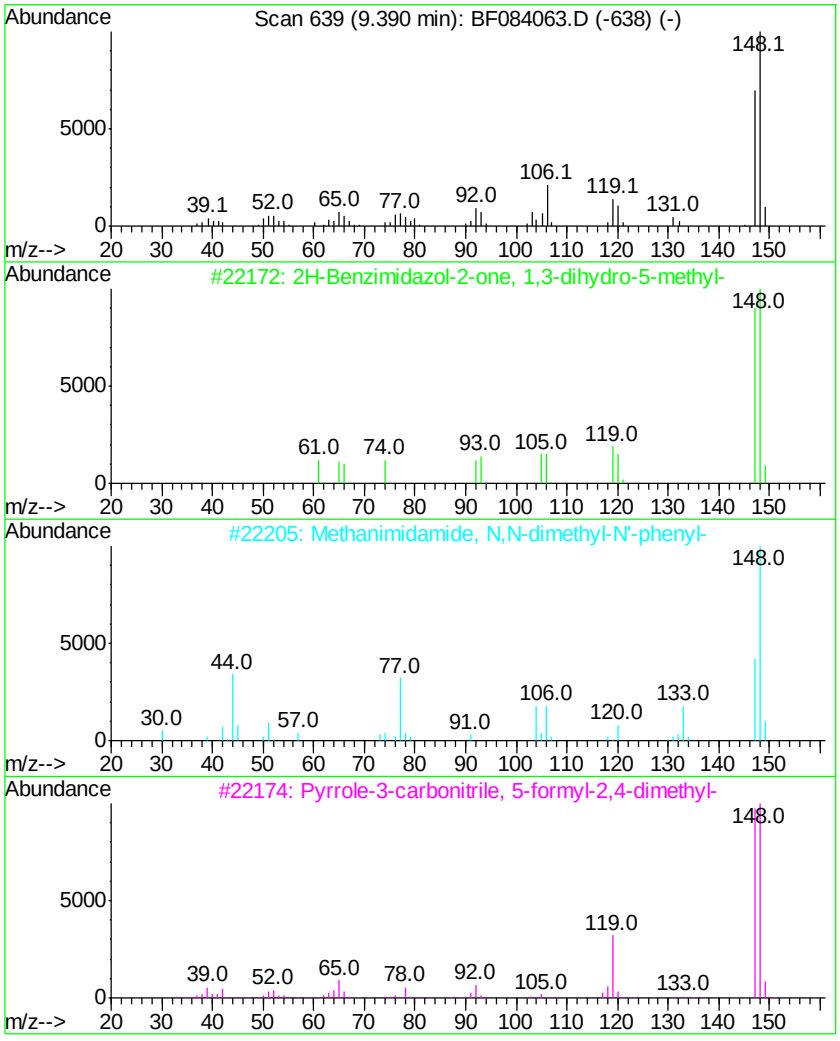
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

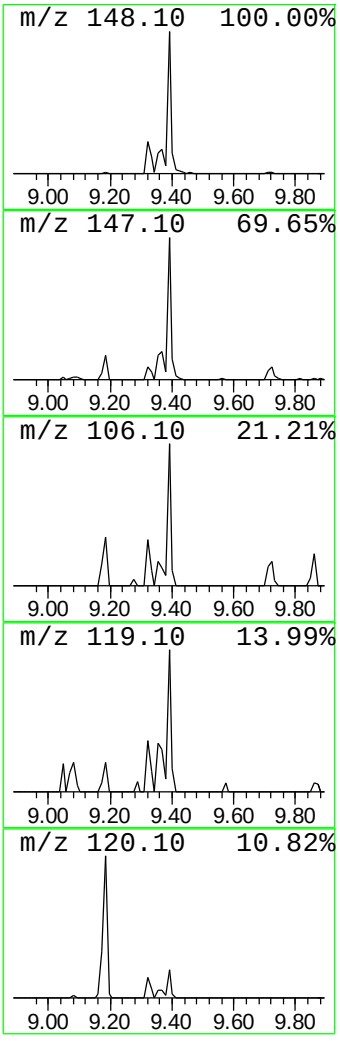
**********

Peak Number 6 2H-Benzimidazol-2-one, 1,3-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.39 | 5.61 ng | 122208 | Acenaphthene-d10 | 9.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Benzimidazol-2-one, 1,3-dihyd... | 148 | C8H8N2O | 005400-75-9 | 83 |
| 2 | Methanimidamide, N,N-dimethyl-N'... | 148 | C9H12N2 | 001783-25-1 | 64 |
| 3 | Pyrrole-3-carbonitrile, 5-formyl... | 148 | C8H8N2O | 032487-71-1 | 58 |
| 4 | 7-Hydroxy-1-indanone | 148 | C9H8O2 | 006968-35-0 | 52 |
| 5 | 2H-1-Benzopyran-2-one, 3,4-dihydro- | 148 | C9H8O2 | 000119-84-6 | 50 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

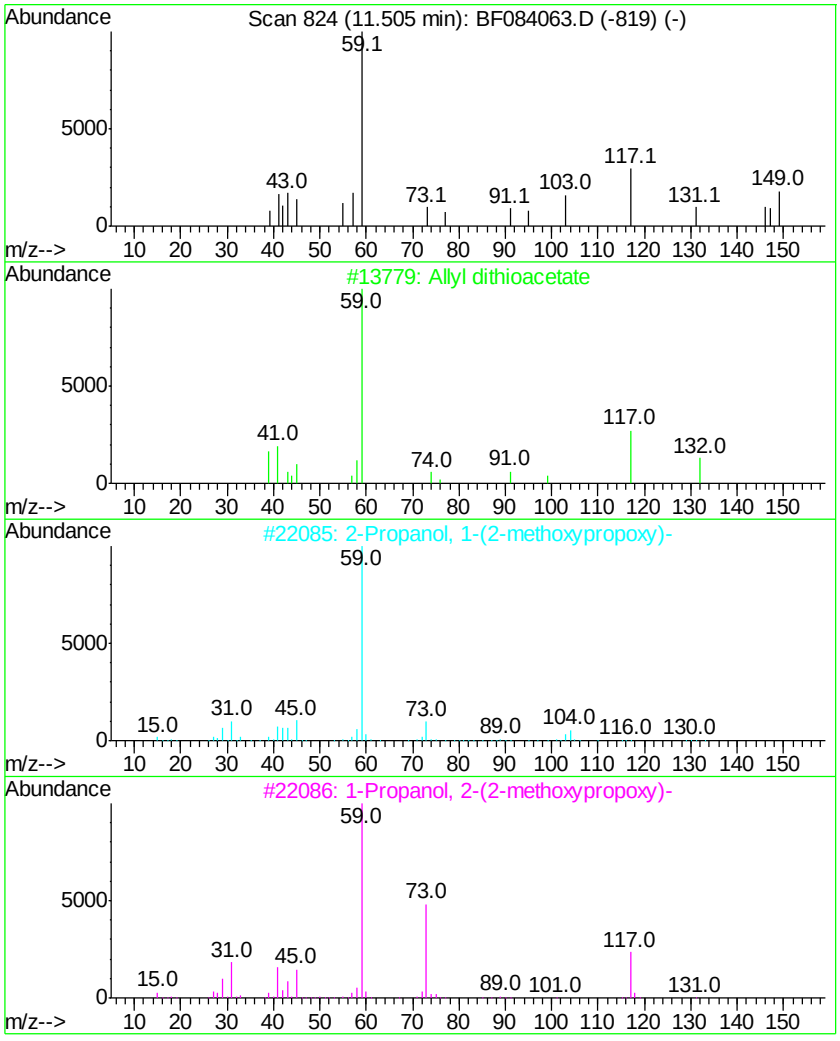
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

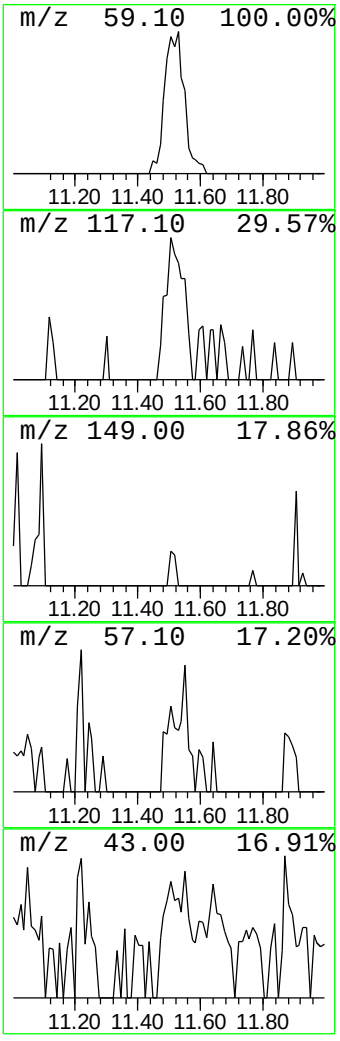
**********

Peak Number 7 unknown11.50 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.50 | 2.62 ng | 46316 | Phenanthrene-d10 | 11.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Allyl dithioacetate | 132 | C5H8S2 | 027249-83-8 | 28 |
| 2 | 2-Propanol, 1-(2-methoxypropoxy)- | 148 | C7H16O3 | 013429-07-7 | 9 |
| 3 | 1-Propanol, 2-(2-methoxypropoxy)- | 148 | C7H16O3 | 013588-28-8 | 9 |
| 4 | Pentanamide, 4-methyl- | 115 | C6H13NO | 001119-29-5 | 9 |
| 5 | Acetaldoxime | 59 | C2H5NO | 000107-29-9 | 4 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

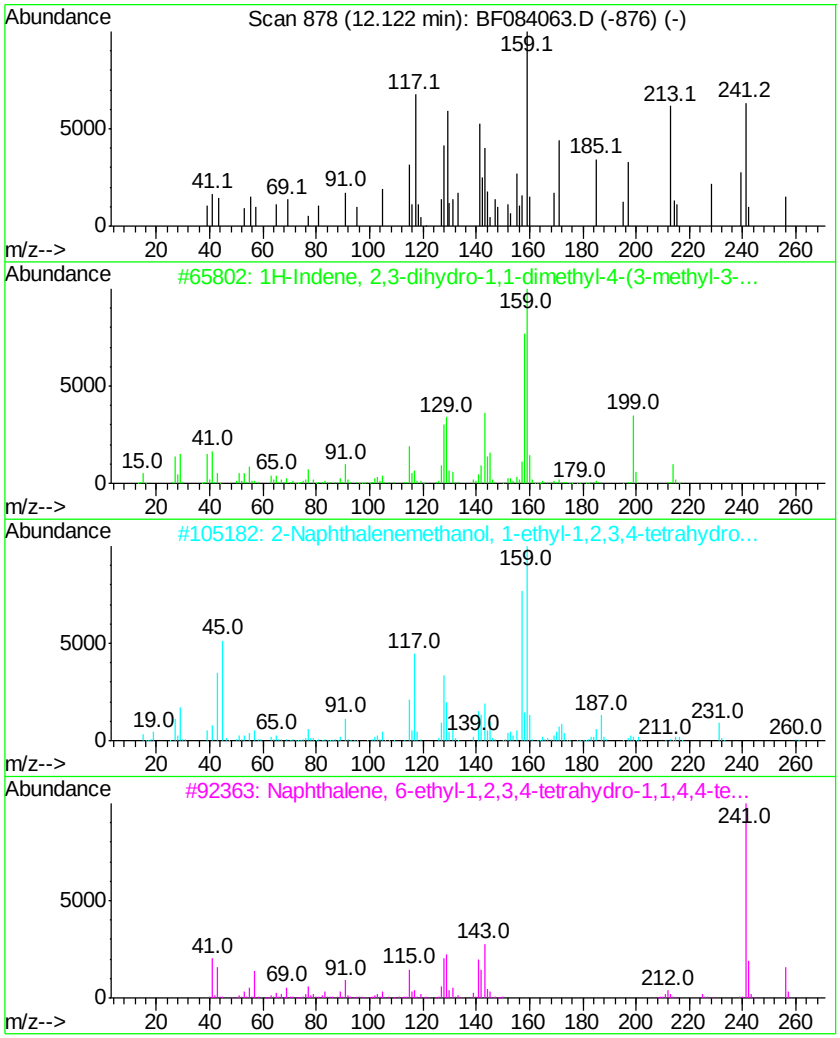
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

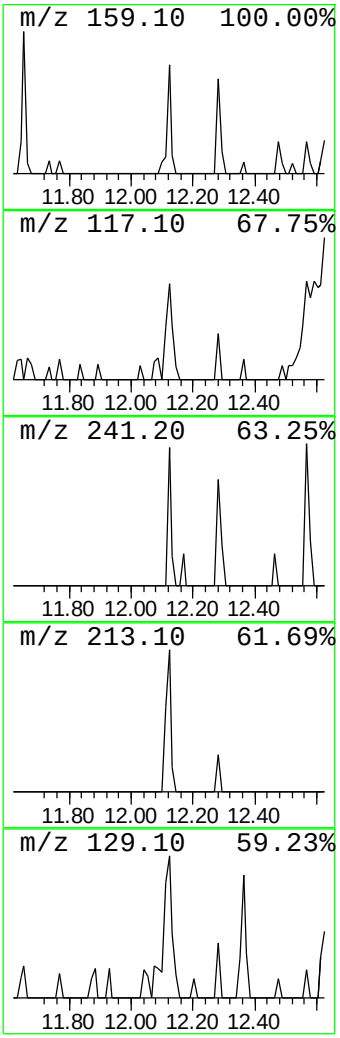
**********

Peak Number 8 unknown12.12 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.12 | 3.33 ng | 58953 | Phenanthrene-d10 | 11.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1-dimet... | 214 | C16H22 | 055030-58-5 | 46 |
| 2 | 2-Naphthalenemethanol, 1-ethyl-1... | 278 | C17H26O3 | 1000221-55-5 | 32 |
| 3 | Naphthalene, 6-ethyl-1,2,3,4-tet... | 256 | C19H28 | 301643-35-6 | 27 |
| 4 | Propanoic acid, 2-[4-(1-buten-3-... | 218 | C14H18O2 | 1000161-46-7 | 25 |
| 5 | Pyrazol-4-amine, 1-(3,4-dichloro... | 241 | C10H9Cl2N3 | 1000273-77-4 | 14 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

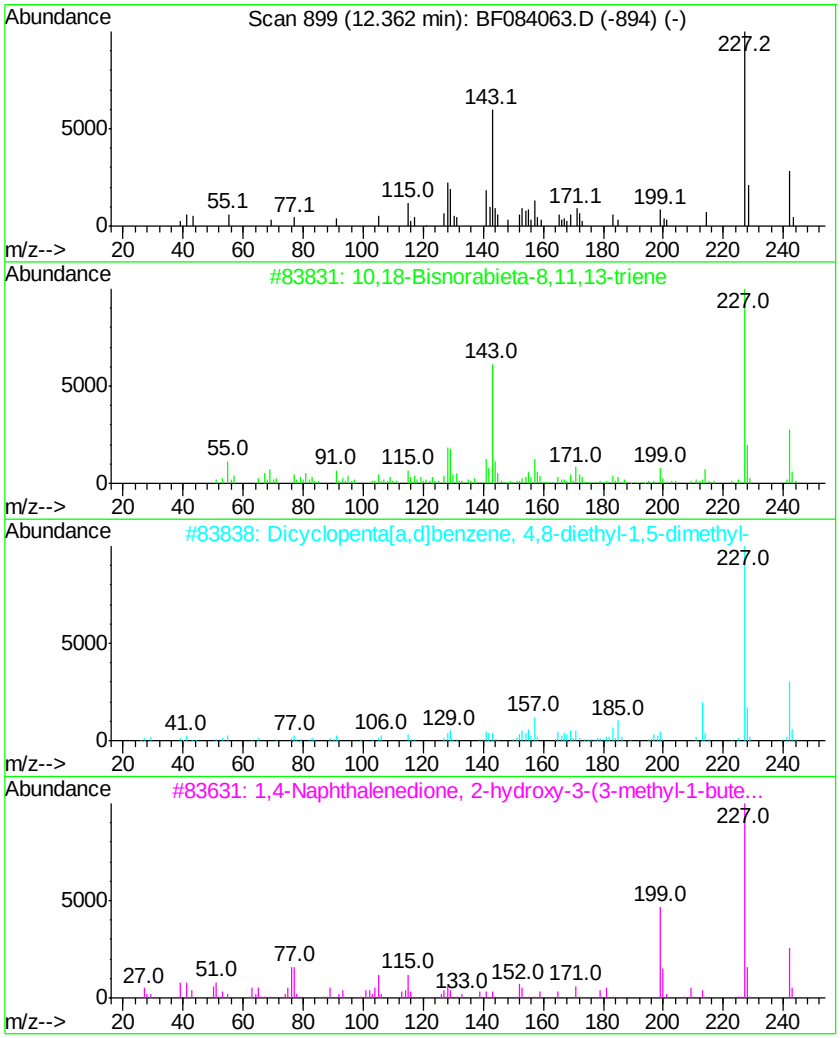
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

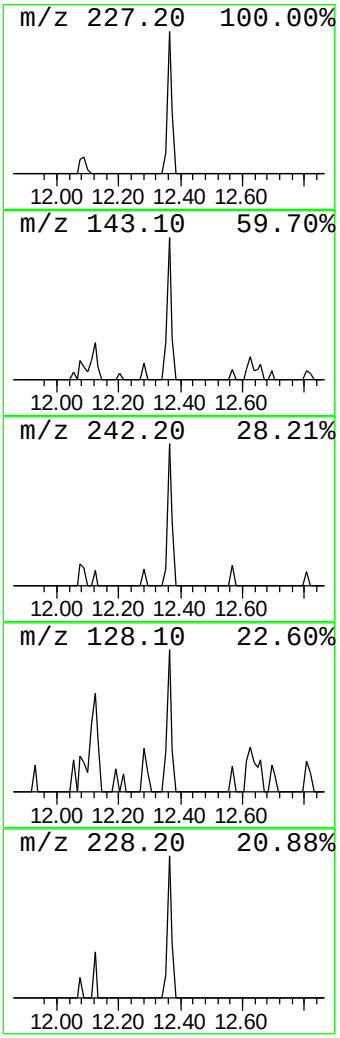
**********

Peak Number 9 10,18-Bisnorabieta-8,11,13-... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.36 | 3.39 ng | 59989 | Phenanthrene-d10 | 11.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10,18-Bisnorabieta-8,11,13-triene | 242 | C18H26 | 032624-67-2 | 97 |
| 2 | Dicyclopenta[a,d]benzene, 4,8-di... | 242 | C18H26 | 1000156-41-6 | 55 |
| 3 | 1,4-Naphthalenedione, 2-hydroxy-... | 242 | C15H14O3 | 004042-39-1 | 53 |
| 4 | 5H-Indeno[2,1-E][1,2,4]triazin-5-o... | 227 | C10H9N7 | 1000271-75-1 | 46 |
| 5 | S-Hydrindacene, 1,1,4,5,5,8-hexa... | 242 | C18H26 | 017465-59-7 | 43 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

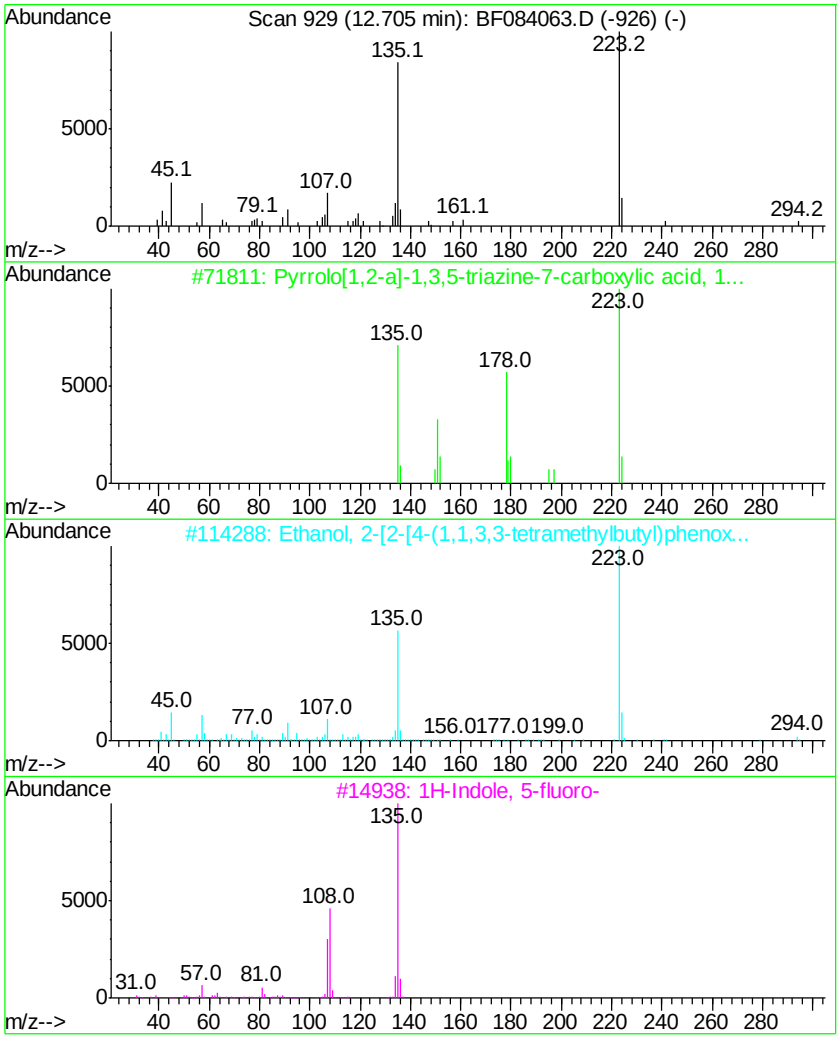
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

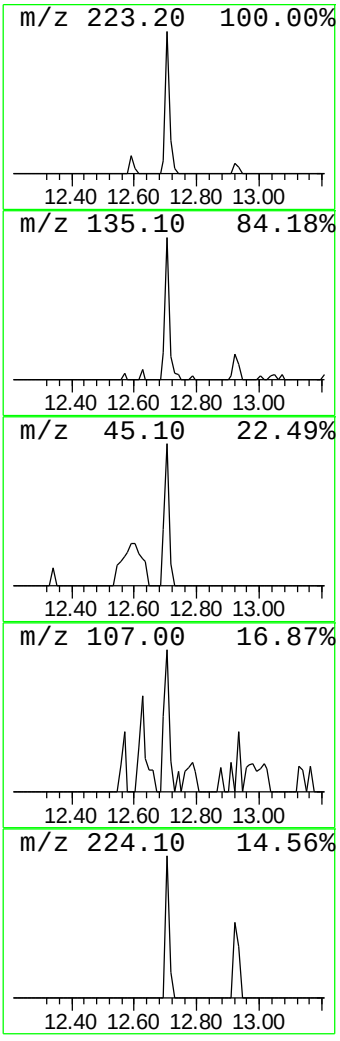
**********

Peak Number 12 Pyrrolo[1,2-a]-1,3,5-triazi... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.71 | 4.20 ng | 52829 | Chrysene-d12 | 13.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrrolo[1,2-a]-1,3,5-triazine-7-... | 223 | C9H9N3O4 | 054449-89-7 | 90 |
| 2 | Ethanol, 2-[2-[4-(1,1,3,3-tetram... | 294 | C18H30O3 | 002315-61-9 | 62 |
| 3 | 1H-Indole, 5-fluoro- | 135 | C8H6FN | 000399-52-0 | 30 |
| 4 | Benzamide, o-(.beta.-hydroxyphen... | 241 | C15H15NO2 | 023966-60-1 | 30 |
| 5 | Hexestrol | 270 | C18H22O2 | 005635-50-7 | 27 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

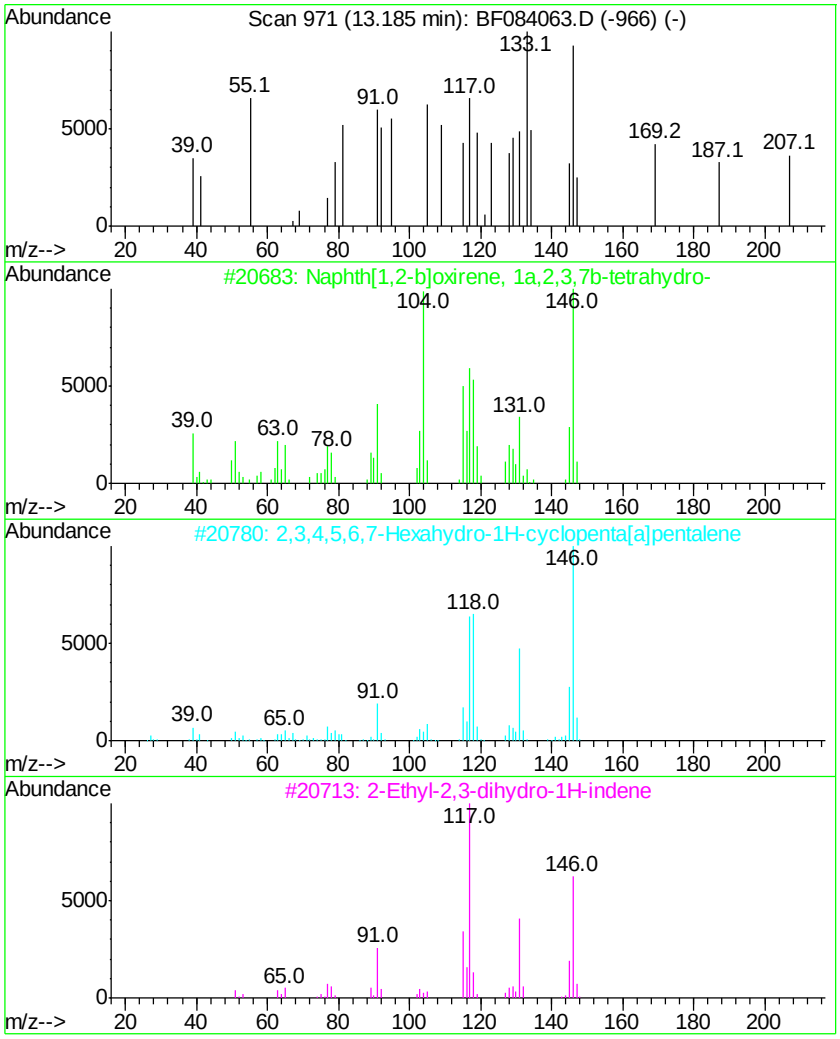
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

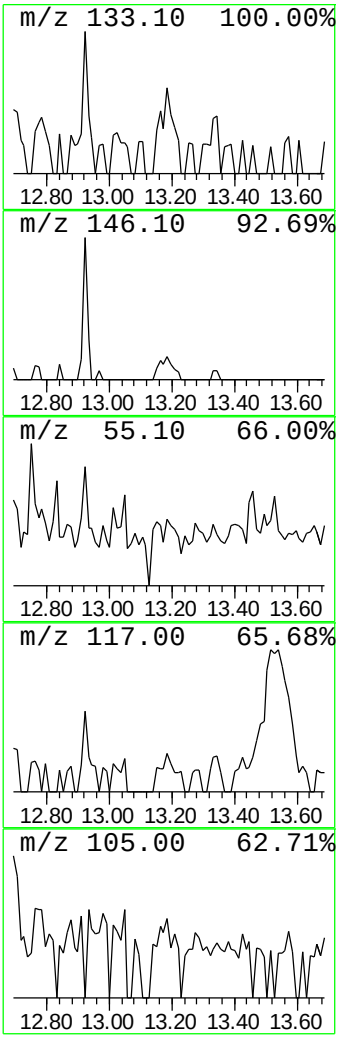
**********

Peak Number 13 unknown13.19 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.19 | 3.13 ng | 39413 | Chrysene-d12 | 13.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O | 002461-34-9 | 30 |
| 2 | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 | C11H14 | 1000189-31-0 | 22 |
| 3 | 2-Ethyl-2,3-dihydro-1H-indene | 146 | C11H14 | 056147-63-8 | 14 |
| 4 | Benzocycloheptene | 146 | C11H14 | 001075-16-7 | 12 |
| 5 | 1-Naphthalenol, 5,8-dihydro- | 146 | C10H10O | 027673-48-9 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

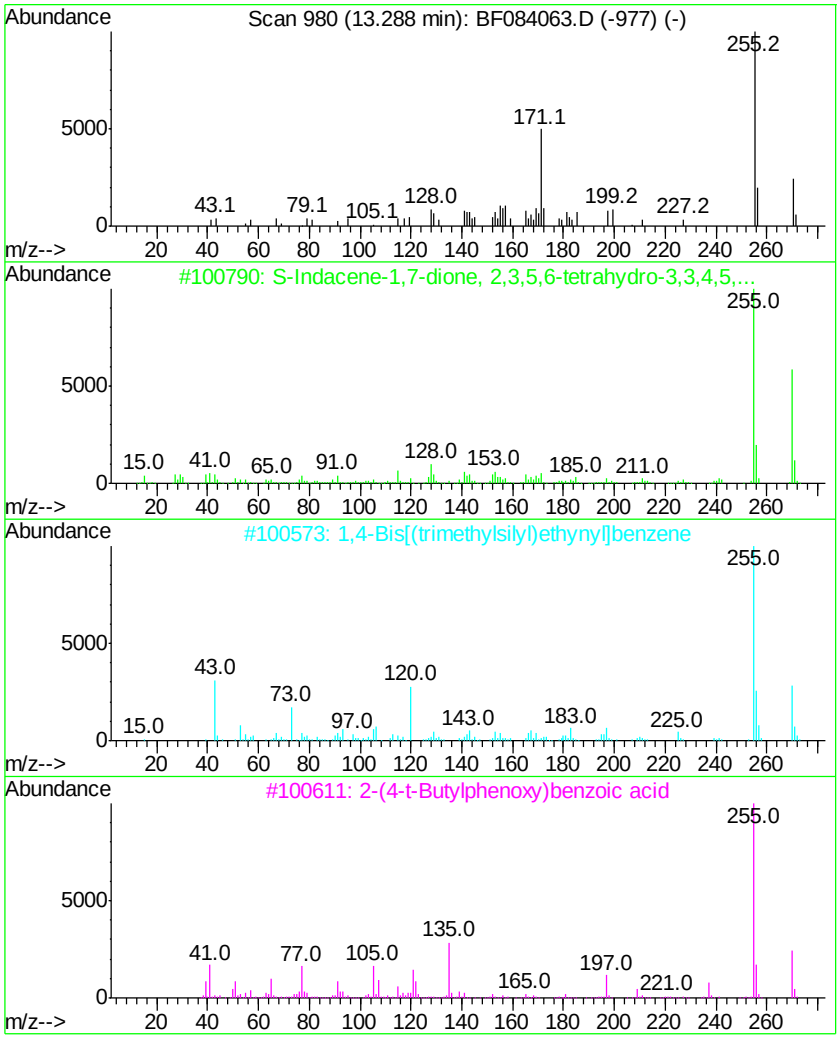
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

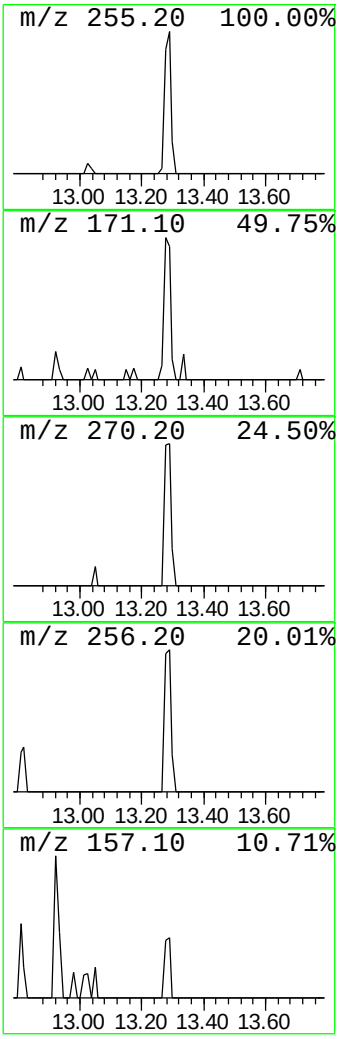
**********

Peak Number 14 S-Indacene-1,7-dione, 2,3,5... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.29 | 4.52 ng | 56855 | Chrysene-d12 | 13.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | S-Indacene-1,7-dione, 2,3,5,6-te... | 270 | C18H22O2 | 055591-16-7 | 68 |
| 2 | 1,4-Bis[(trimethylsilyl)ethynyl]... | 270 | C16H22Si2 | 073392-23-1 | 47 |
| 3 | 2-(4-t-Butylphenoxy)benzoic acid | 270 | C17H18O3 | 069737-65-1 | 46 |
| 4 | Phenanthrene, 1,2,3,4,4a,9,10,10... | 270 | C20H30 | 019407-28-4 | 43 |
| 5 | 2-Sec-butyl-6-[1-hydroxy-1-cyclo... | 283 | C19H25NO | 035871-05-7 | 43 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

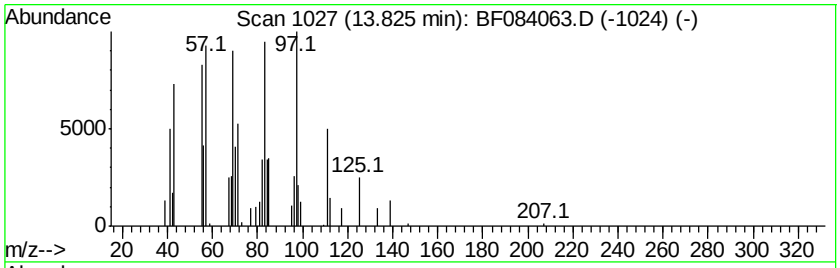
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

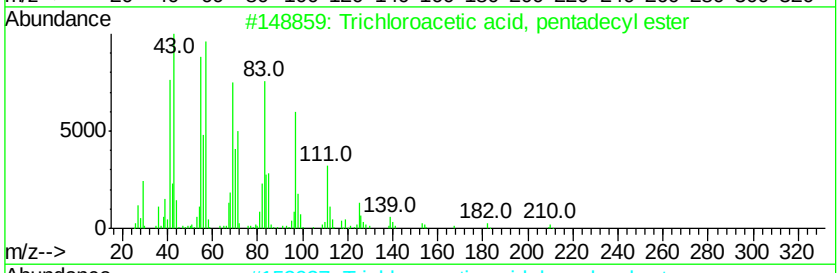
**********

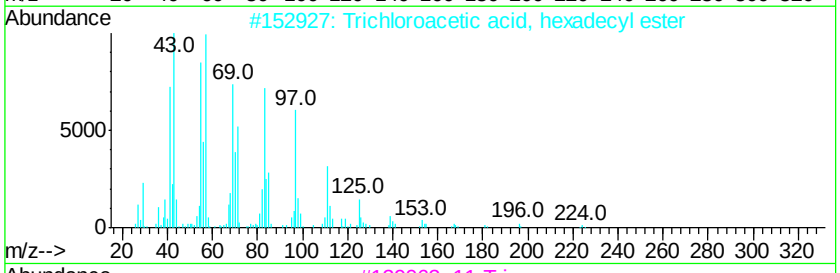
Peak Number 15 Trichloroacetic acid, penta... Concentration Rank 11

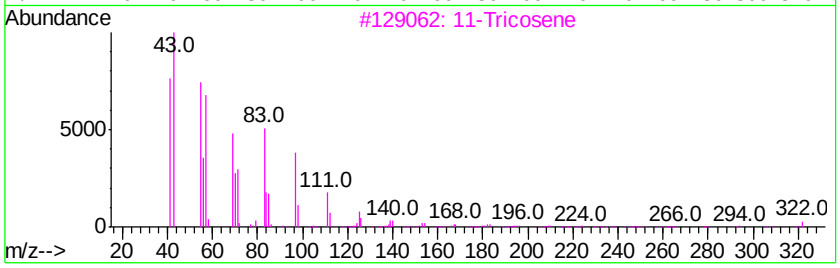
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.83 | 3.71 ng | 46655 | Chrysene-d12 | 13.99 |

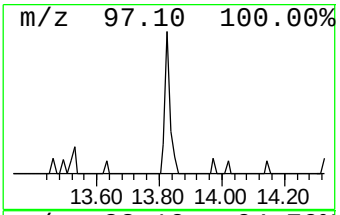
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 2 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 3 | 11-Tricosene | 322 | C23H46 | 052078-56-5 | 91 |
| 4 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 5 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |

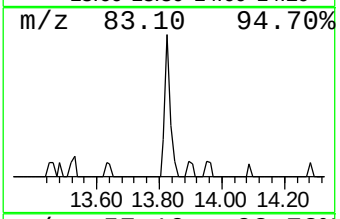


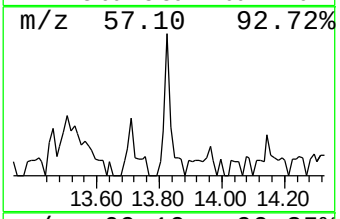



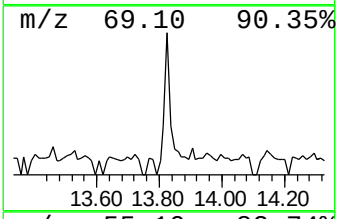



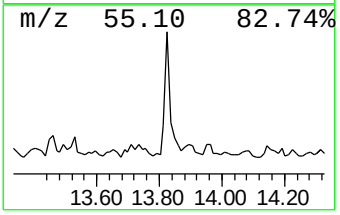



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

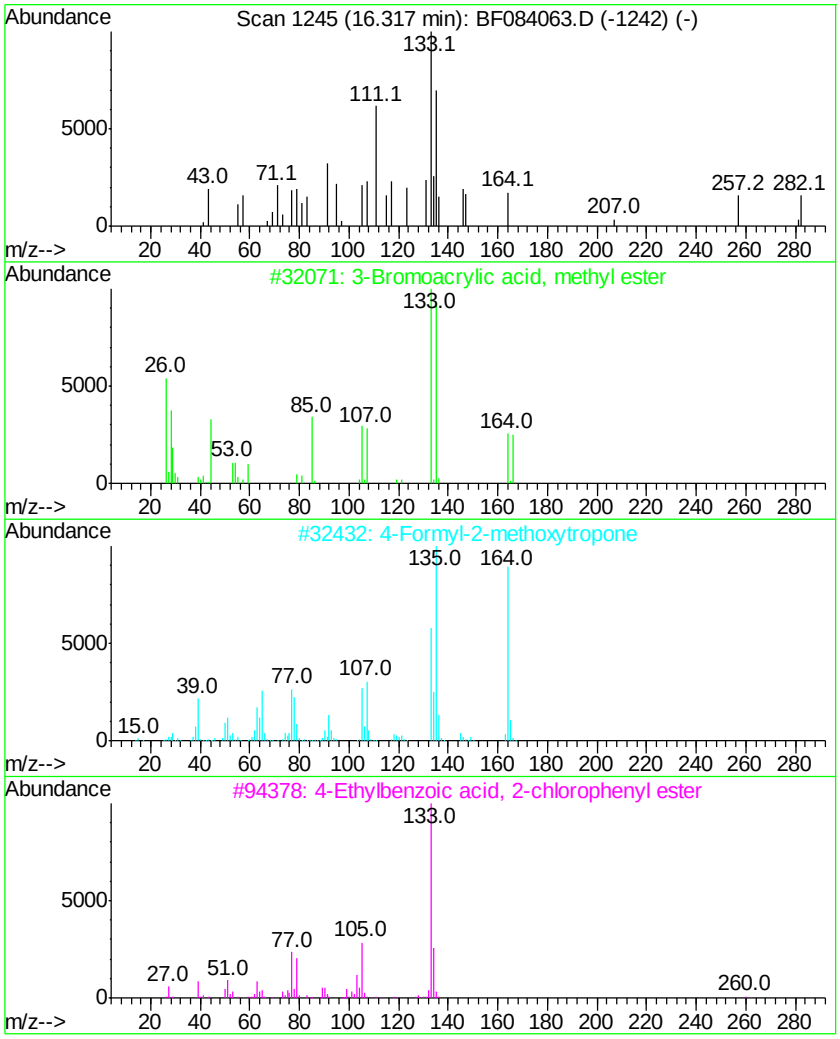
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

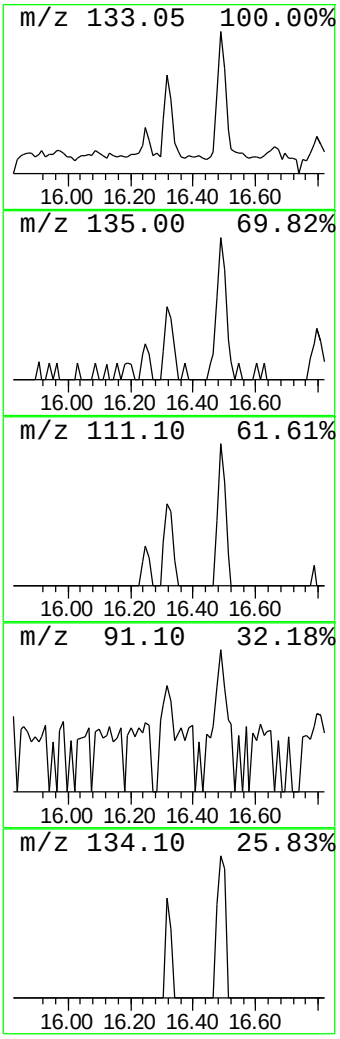
**********

Peak Number 17 unknown16.32 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.32 | 2.76 ng | 33522 | Perylene-d12 | 15.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Bromoacrylic acid, methyl ester | 164 | C4H5BrO2 | 1000192-51-6 | 38 |
| 2 | 4-Formyl-2-methoxytropone | 164 | C9H8O3 | 099595-81-0 | 27 |
| 3 | 4-Ethylbenzoic acid, 2-chlorophe... | 260 | C15H13ClO2 | 1000293-61-0 | 22 |
| 4 | Benzeneacetaldehyde, .alpha.,2,5... | 162 | C11H14O | 052417-50-2 | 17 |
| 5 | 4-Ethylbenzoic acid, 2-bromo-4-f... | 322 | C15H12BrFO2 | 1000293-61-1 | 12 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

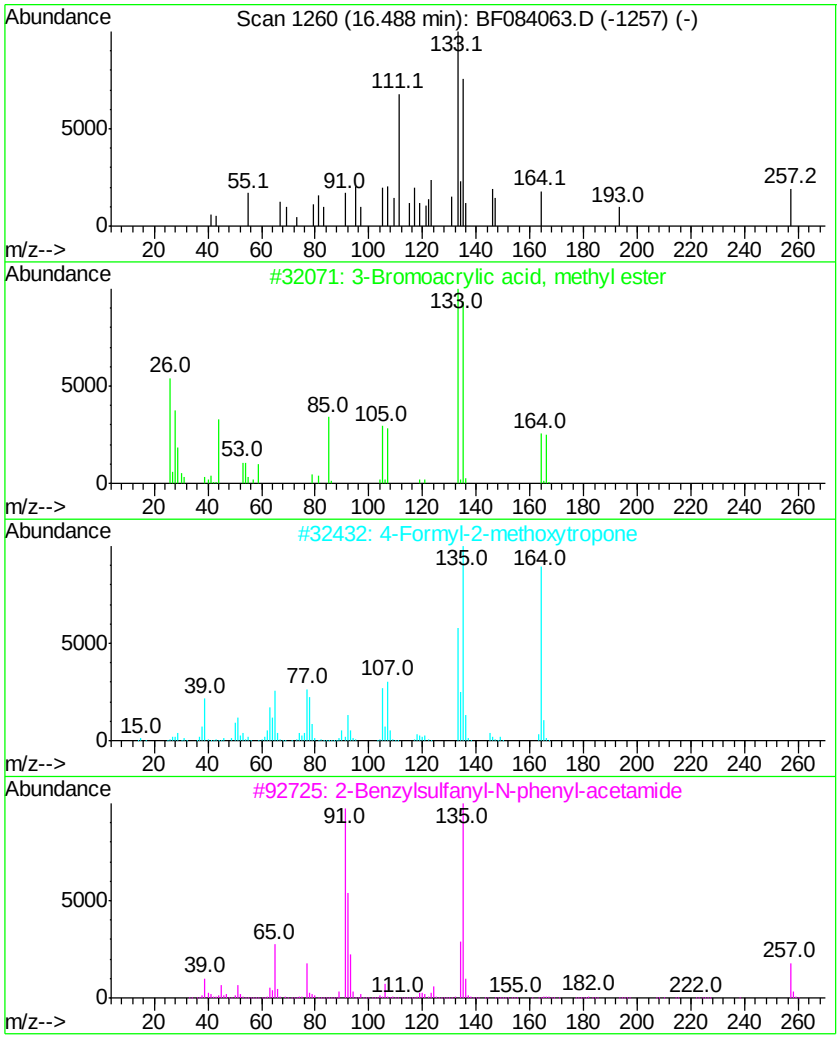
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

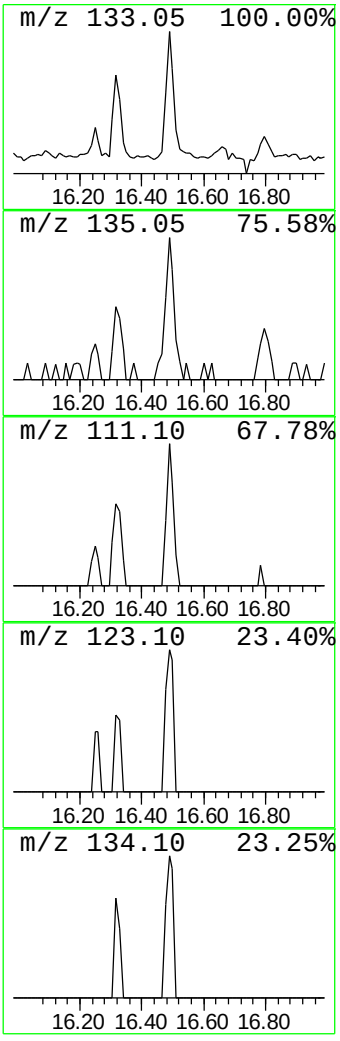
**********

Peak Number 18 unknown16.49 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.49 | 3.04 ng | 36909 | Perylene-d12 | 15.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Bromoacrylic acid, methyl ester | 164 | C4H5BrO2 | 1000192-51-6 | 43 |
| 2 | 4-Formyl-2-methoxytropone | 164 | C9H8O3 | 099595-81-0 | 35 |
| 3 | 2-Benzylsulfanyl-N-phenyl-acetamide | 257 | C15H15NOS | 070509-33-0 | 22 |
| 4 | 4-(2,4,4-Trimethyl-bicyclo[4.1.0... | 206 | C14H22O | 1000194-96-6 | 16 |
| 5 | Dispiro[4.2.4.2]tetradecane | 192 | C14H24 | 079273-13-5 | 14 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

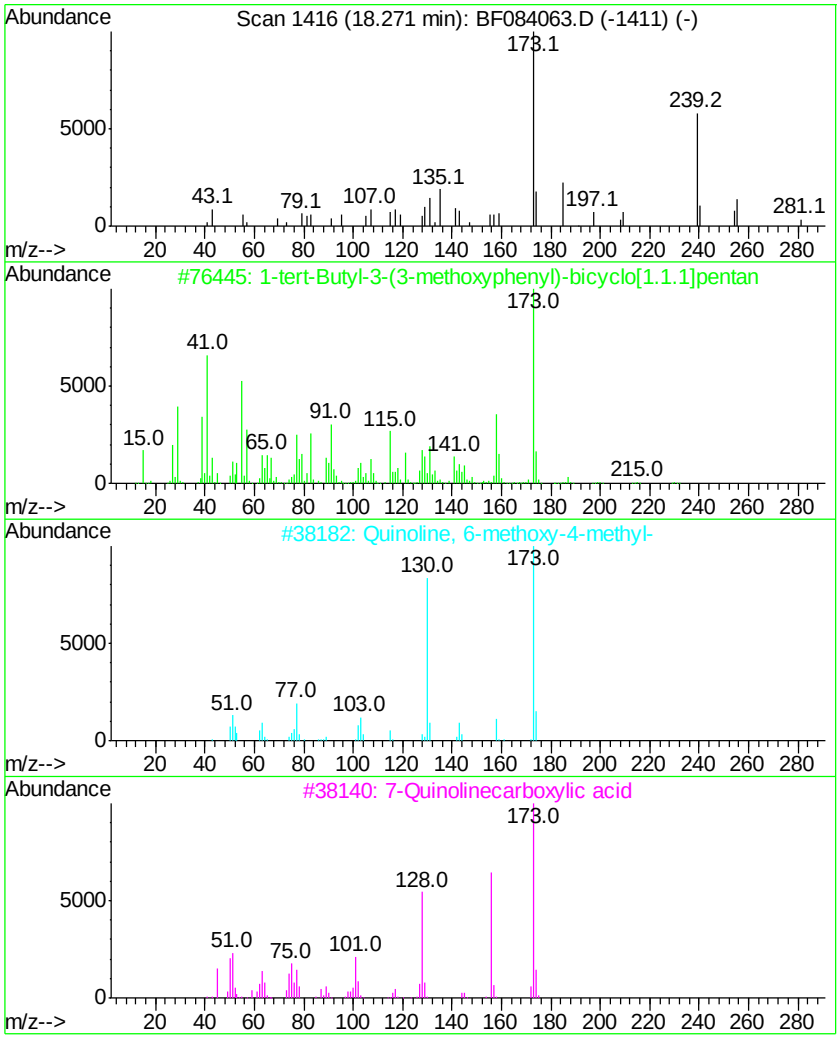
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

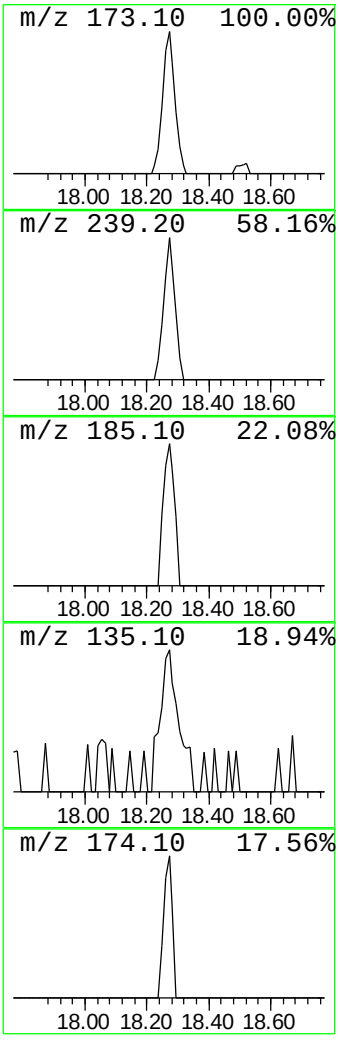
**********

Peak Number 20 unknown18.27 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.27 | 5.65 ng | 68561 | Perylene-d12 | 15.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-tert-Butyl-3-(3-methoxyphenyl)... | 230 | C16H22O | 245508-07-0 | 38 |
| 2 | Quinoline, 6-methoxy-4-methyl- | 173 | C11H11NO | 041037-26-7 | 35 |
| 3 | 7-Quinolinecarboxylic acid | 173 | C10H7NO2 | 001078-30-4 | 35 |
| 4 | Quinoline, 6-methoxy-2-methyl- | 173 | C11H11NO | 001078-28-0 | 35 |
| 5 | 1,4,6,7-Tetramethyl1,2,3,4-tetra... | 188 | C14H20 | 1000113-61-3 | 32 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122315\
Data File : BF084063.D
Acq On : 24 Dec 2015 5:13
Operator : UM/SJ
Sample : G4925-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-22

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.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... | 4.99 | 4.9 | ng | 73089 | 1 | 6.82 | 299918 | 20.0 |
| unknown6.59 | 6.59 | 67.9 | ng | 1018470 | 1 | 6.82 | 299918 | 20.0 |
| Benzene, 2,4-diis... | 9.08 | 2.7 | ng | 58568 | 3 | 9.86 | 435716 | 20.0 |
| 7(1H)-Pteridinone | 9.32 | 2.1 | ng | 46248 | 3 | 9.86 | 435716 | 20.0 |
| 2H-Benzimidazol-2... | 9.39 | 5.6 | ng | 122208 | 3 | 9.86 | 435716 | 20.0 |
| unknown11.50 | 11.50 | 2.6 | ng | 46316 | 4 | 11.34 | 354139 | 20.0 |
| unknown12.12 | 12.12 | 3.3 | ng | 58953 | 4 | 11.34 | 354139 | 20.0 |
| 10,18-Bisnorabiet... | 12.36 | 3.4 | ng | 59989 | 4 | 11.34 | 354139 | 20.0 |
| Pyrrolo[1,2-a]-1,... | 12.71 | 4.2 | ng | 52829 | 5 | 13.99 | 251698 | 20.0 |
| unknown13.19 | 13.19 | 3.1 | ng | 39413 | 5 | 13.99 | 251698 | 20.0 |
| S-Indacene-1,7-di... | 13.29 | 4.5 | ng | 56855 | 5 | 13.99 | 251698 | 20.0 |
| Trichloroacetic a... | 13.83 | 3.7 | ng | 46655 | 5 | 13.99 | 251698 | 20.0 |
| unknown16.32 | 16.32 | 2.8 | ng | 33522 | 6 | 15.41 | 242640 | 20.0 |
| unknown16.49 | 16.49 | 3.0 | ng | 36909 | 6 | 15.41 | 242640 | 20.0 |
| unknown18.27 | 18.27 | 5.7 | ng | 68561 | 6 | 15.41 | 242640 | 20.0 |