LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

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-BF110316.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 | 1.778 | 7 | 8 | 31 | rVB | 3311483 | 7758952 | 100.00% | 12.406% |
| 2 | 2.121 | 31 | 38 | 78 | rVB | 1896644 | 4083004 | 52.62% | 6.528% |
| 3 | 4.853 | 274 | 277 | 285 | rBV | 633523 | 1111903 | 14.33% | 1.778% |
| 4 | 5.299 | 314 | 316 | 319 | rBV | 3836334 | 4355004 | 56.13% | 6.963% |
| 5 | 6.362 | 406 | 409 | 411 | rBV | 3856660 | 4970007 | 64.06% | 7.947% |
| 6 | 6.476 | 416 | 419 | 421 | rBV | 4623564 | 4811722 | 62.02% | 7.693% |
| 7 | 6.705 | 437 | 439 | 441 | rBV | 1039336 | 1086541 | 14.00% | 1.737% |
| 8 | 6.853 | 450 | 452 | 455 | rBV | 2770288 | 3612658 | 46.56% | 5.776% |
| 9 | 7.276 | 486 | 489 | 491 | rBV | 2640092 | 3190554 | 41.12% | 5.101% |
| 10 | 7.402 | 497 | 500 | 506 | rVB | 68182 | 119073 | 1.53% | 0.190% |
| 11 | 7.985 | 549 | 551 | 554 | rBV | 1343074 | 1443695 | 18.61% | 2.308% |
| 12 | 8.750 | 609 | 618 | 630 | rBV | 61320 | 222698 | 2.87% | 0.356% |
| 13 | 9.070 | 643 | 646 | 648 | rBV | 5200368 | 4724374 | 60.89% | 7.554% |
| 14 | 9.470 | 678 | 681 | 683 | rBV | 1288243 | 1203925 | 15.52% | 1.925% |
| 15 | 9.745 | 702 | 705 | 707 | rBV | 1376089 | 1565851 | 20.18% | 2.504% |
| 16 | 10.533 | 771 | 774 | 776 | rBV | 2698242 | 2898151 | 37.35% | 4.634% |
| 17 | 10.659 | 783 | 785 | 791 | rVB | 116843 | 186052 | 2.40% | 0.297% |
| 18 | 11.105 | 819 | 824 | 825 | rBV | 93540 | 114946 | 1.48% | 0.184% |
| 19 | 11.219 | 832 | 834 | 838 | rBV2 | 1452963 | 1540854 | 19.86% | 2.464% |
| 20 | 11.299 | 838 | 841 | 843 | rVB2 | 68968 | 96075 | 1.24% | 0.154% |
| 21 | 11.459 | 852 | 855 | 859 | rBV5 | 44869 | 81609 | 1.05% | 0.130% |
| 22 | 11.722 | 872 | 878 | 879 | rBV3 | 59484 | 79429 | 1.02% | 0.127% |
| 23 | 11.768 | 879 | 882 | 883 | rVV2 | 167959 | 231180 | 2.98% | 0.370% |
| 24 | 11.791 | 883 | 884 | 886 | rVV2 | 59526 | 80884 | 1.04% | 0.129% |
| 25 | 11.836 | 886 | 888 | 893 | rVB2 | 60742 | 140654 | 1.81% | 0.225% |
| 26 | 12.431 | 938 | 940 | 942 | rBV | 667578 | 637695 | 8.22% | 1.020% |
| 27 | 12.659 | 957 | 960 | 961 | rBV | 461827 | 651840 | 8.40% | 1.042% |
| 28 | 12.694 | 961 | 963 | 968 | rVB3 | 74227 | 153271 | 1.98% | 0.245% |
| 29 | 12.808 | 970 | 973 | 975 | rVV | 4114213 | 3655940 | 47.12% | 5.845% |
| 30 | 12.877 | 975 | 979 | 983 | rVB4 | 49973 | 95692 | 1.23% | 0.153% |
| 31 | 12.979 | 985 | 988 | 990 | rVB2 | 53362 | 119980 | 1.55% | 0.192% |
| 32 | 13.082 | 996 | 997 | 1001 | rVV2 | 54564 | 103011 | 1.33% | 0.165% |
| 33 | 13.357 | 1019 | 1021 | 1023 | rBV | 97390 | 119351 | 1.54% | 0.191% |
| 34 | 13.494 | 1031 | 1033 | 1037 | rBV | 72194 | 89214 | 1.15% | 0.143% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

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-BF110316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.597 | 1040 | 1042 | 1044 | rBV | 74481 | 141273 | 1.82% | 0.226% |
| 36 | 13.711 | 1050 | 1052 | 1056 | rBV2 | 465750 | 544926 | 7.02% | 0.871% |
| 37 | 13.848 | 1061 | 1064 | 1069 | rBV2 | 1142844 | 2031323 | 26.18% | 3.248% |
| 38 | 14.237 | 1096 | 1098 | 1100 | rBV | 61784 | 89876 | 1.16% | 0.144% |
| 39 | 14.340 | 1105 | 1107 | 1110 | rBV4 | 95076 | 198269 | 2.56% | 0.317% |
| 40 | 14.522 | 1121 | 1123 | 1130 | rBV | 136033 | 305439 | 3.94% | 0.488% |
| 41 | 14.854 | 1150 | 1152 | 1157 | rBV | 493414 | 863333 | 11.13% | 1.380% |
| 42 | 14.957 | 1159 | 1161 | 1164 | rVB | 109469 | 142873 | 1.84% | 0.228% |
| 43 | 15.128 | 1174 | 1176 | 1179 | rVV | 257281 | 298841 | 3.85% | 0.478% |
| 44 | 15.185 | 1179 | 1181 | 1183 | rVB | 337536 | 377123 | 4.86% | 0.603% |
| 45 | 15.242 | 1183 | 1186 | 1193 | rBV | 809419 | 1093761 | 14.10% | 1.749% |
| 46 | 15.711 | 1225 | 1227 | 1239 | rVB3 | 101688 | 317718 | 4.09% | 0.508% |
| 47 | 16.557 | 1297 | 1301 | 1305 | rBV2 | 130201 | 273500 | 3.52% | 0.437% |
| 48 | 16.694 | 1310 | 1313 | 1317 | rBV2 | 89666 | 245877 | 3.17% | 0.393% |
| 49 | 16.934 | 1332 | 1334 | 1342 | rVB | 117495 | 282919 | 3.65% | 0.452% |

Sum of corrected areas: 62542840

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
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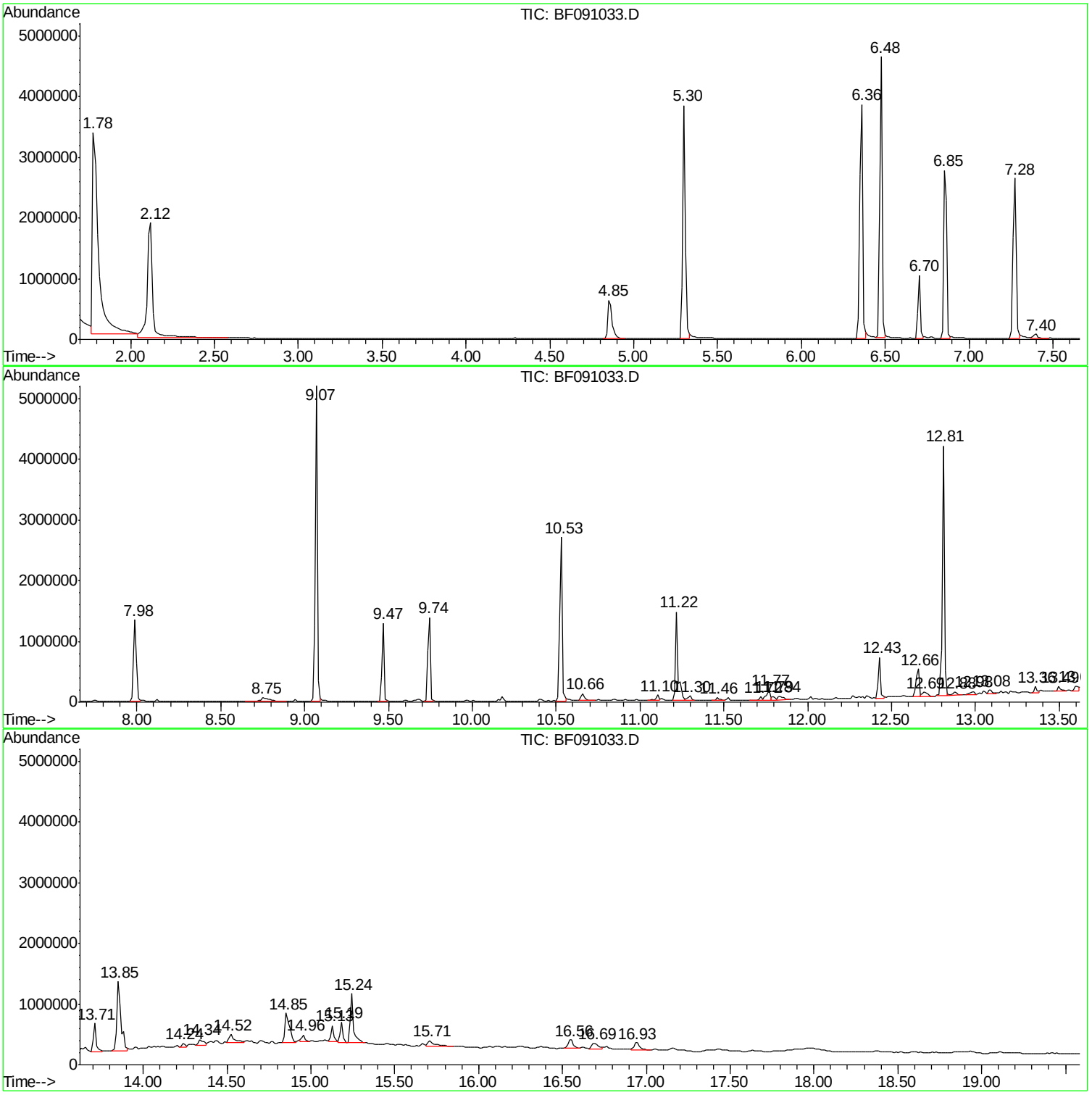
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.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\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

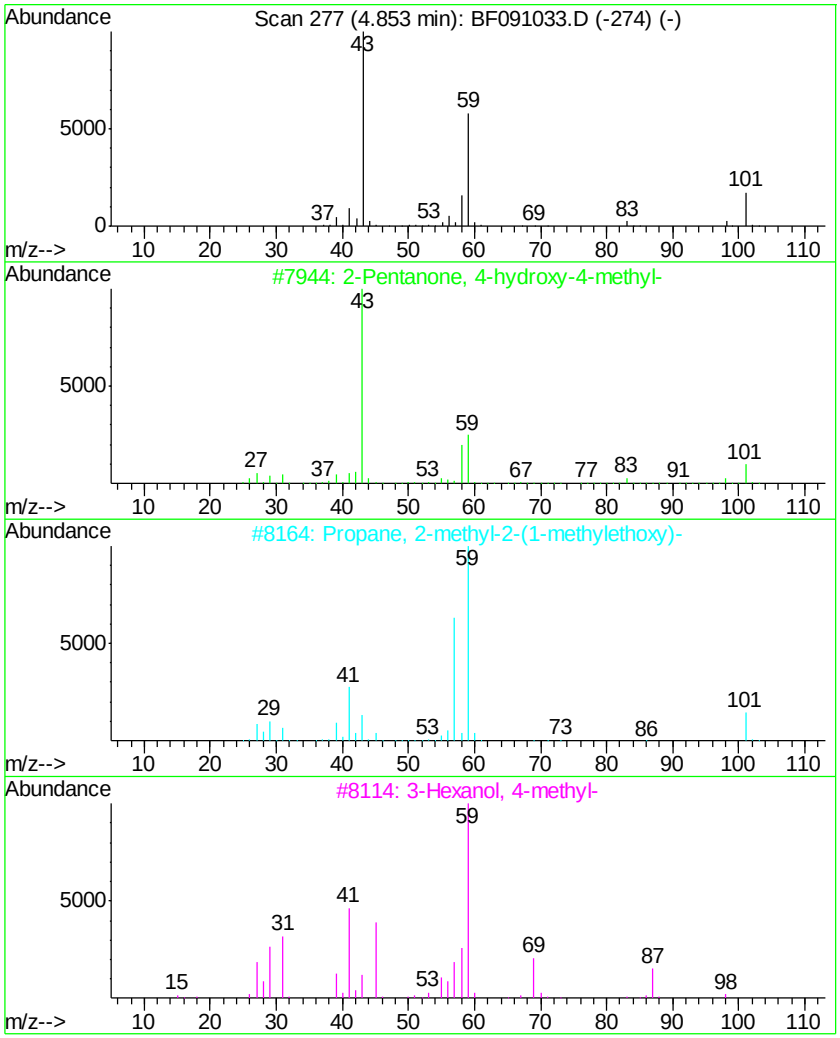
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

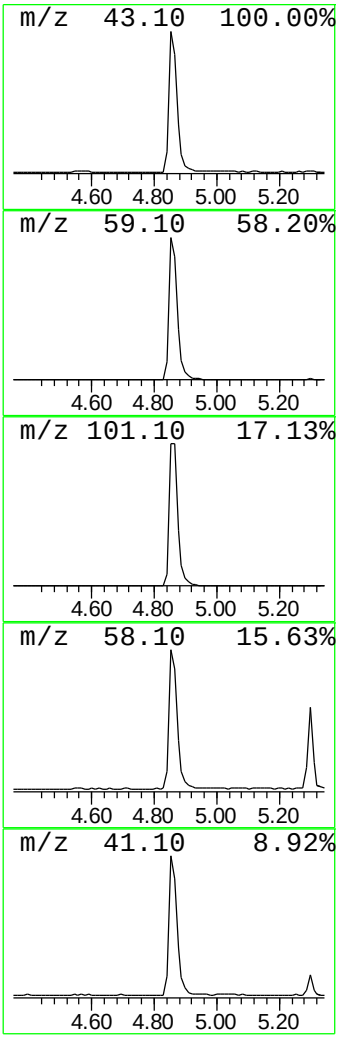
**********

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.85 | 20.47 ng | 1111900 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 42 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 4 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 33 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

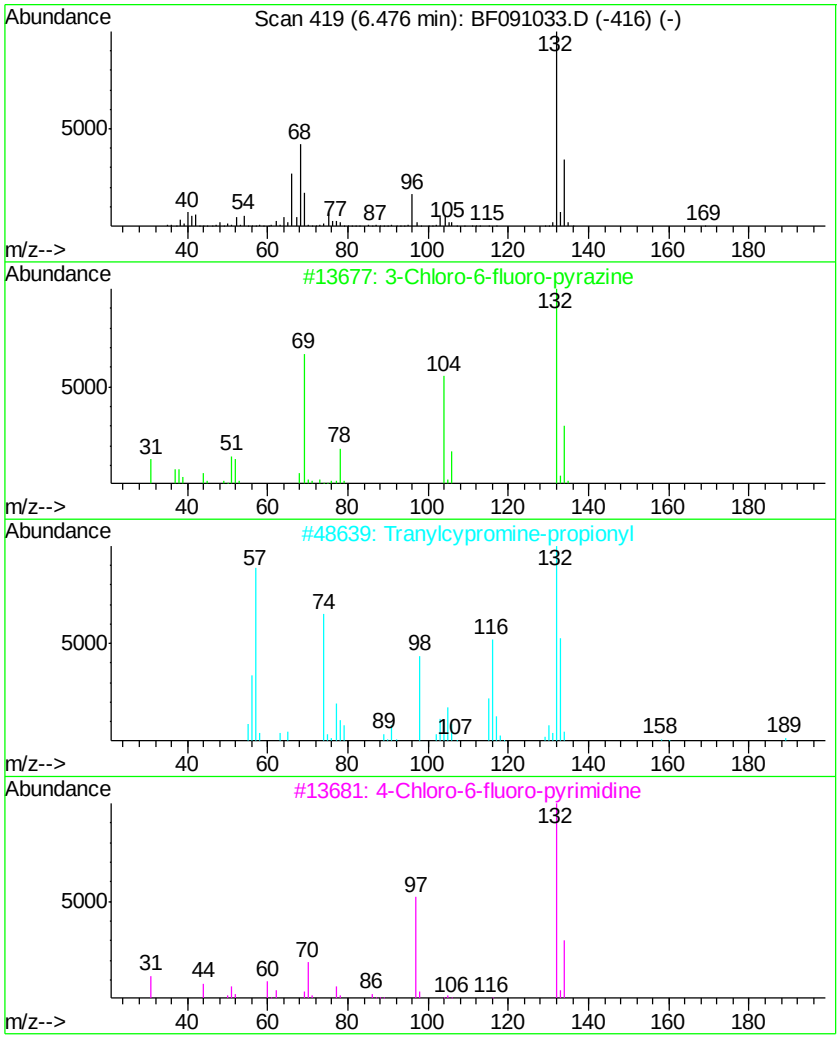
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

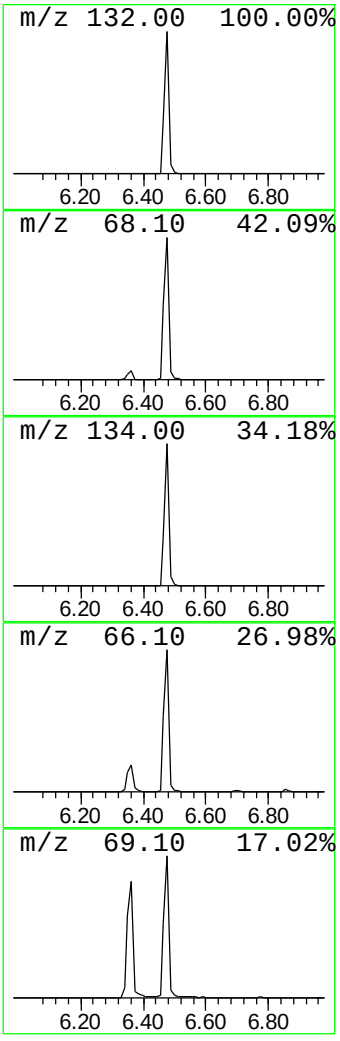
**********

Peak Number 4 unknown6.48 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.48 | 88.57 ng | 4811720 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 5 | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2 | 1000241-93-9 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

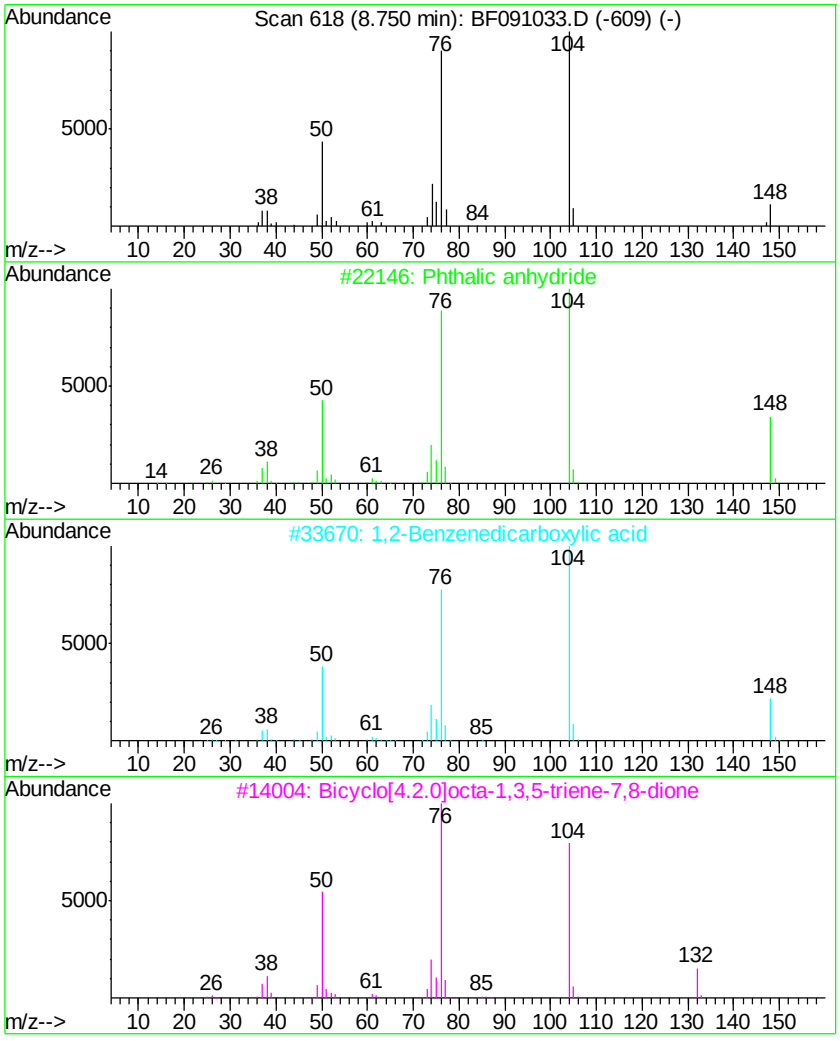
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

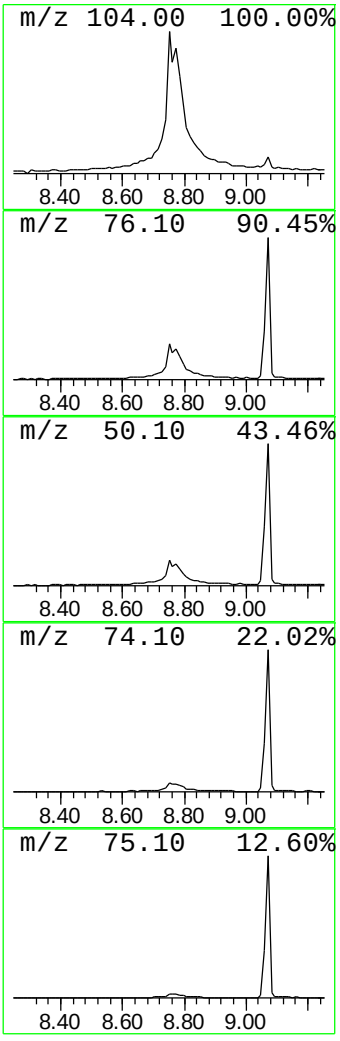
**********

Peak Number 6 Phthalic anhydride Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.75 | 3.09 ng | 222698 | Naphthalene-d8 | 7.98 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phthalic anhydride | 148 | C8H4O3 | 000085-44-9 | 94 |
| 2 | 1,2-Benzenedicarboxylic acid | 166 | C8H6O4 | 000088-99-3 | 83 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene-... | 132 | C8H4O2 | 006383-11-5 | 78 |
| 4 | Phthalamic acid | 165 | C8H7NO3 | 000088-97-1 | 74 |
| 5 | N-[2-Acetamidoethylthio]phthalimide | 264 | C12H12N2O3S | 025158-14-9 | 64 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

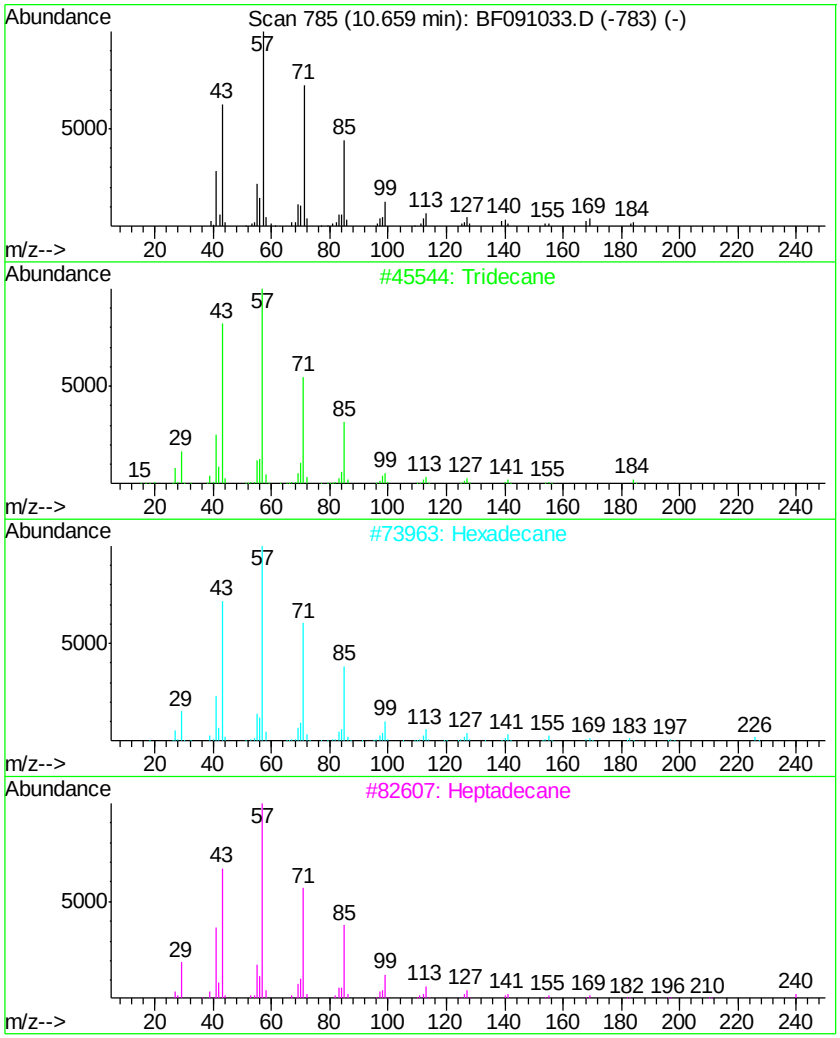
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

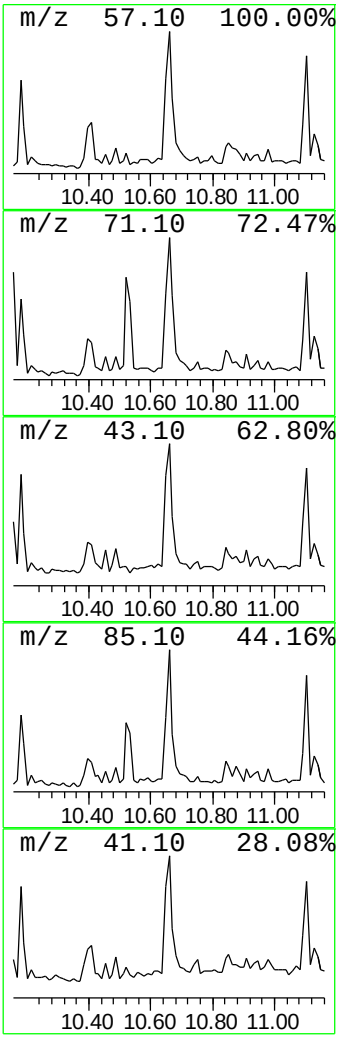
**********

Peak Number 7 Tridecane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.66 | 2.41 ng | 186052 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 87 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

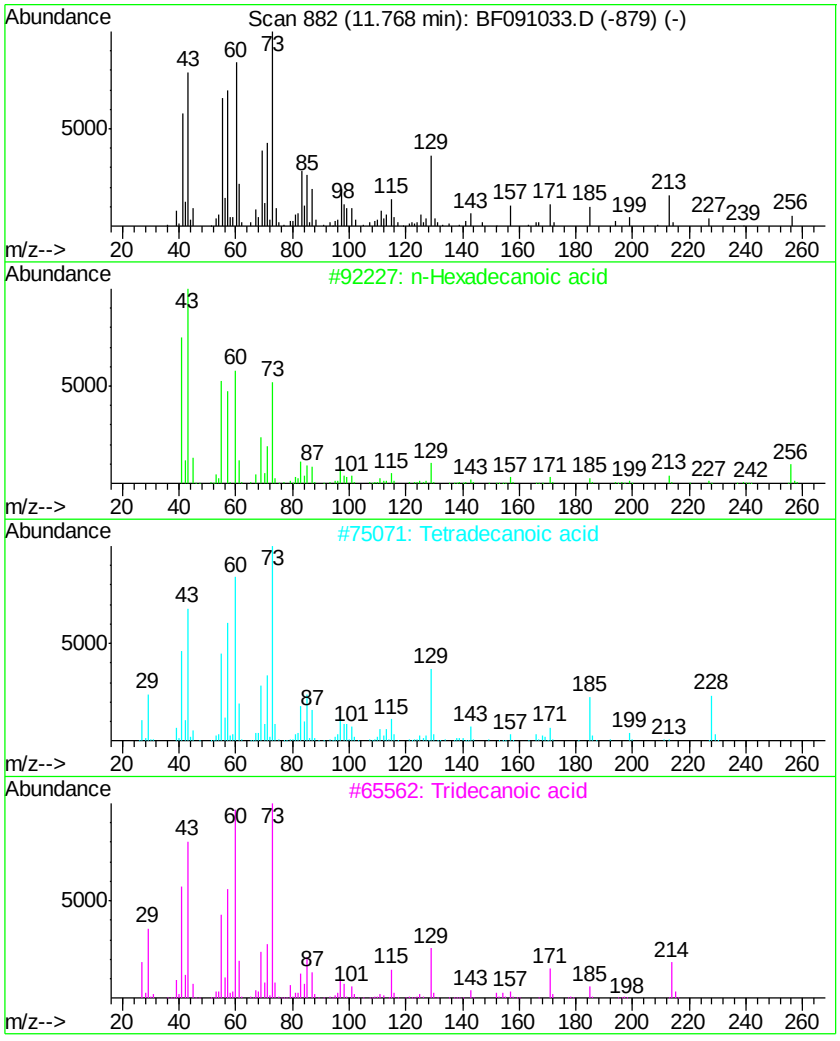
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

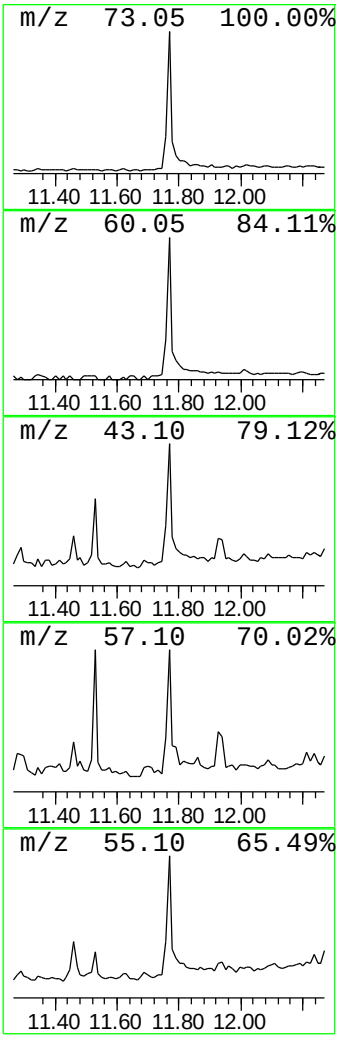
**********

Peak Number 8 n-Hexadecanoic acid Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.77 | 3.00 ng | 231180 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 80 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 52 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 25 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

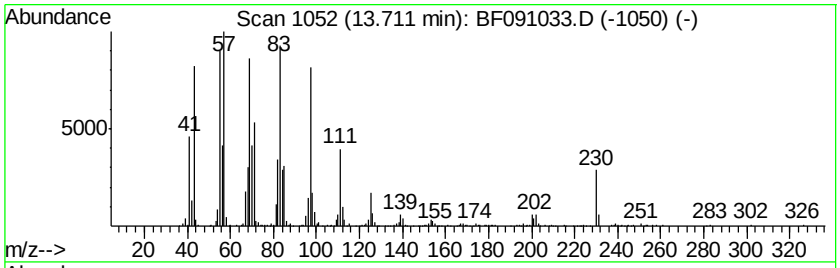
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

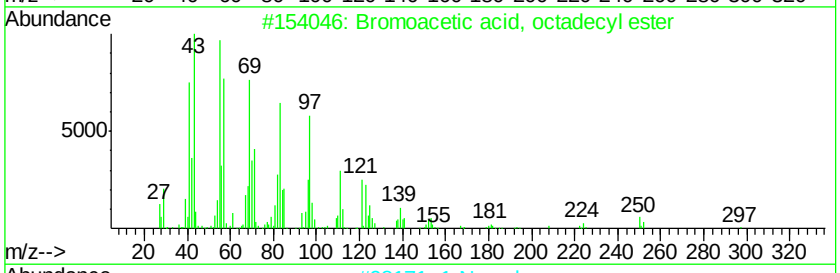
**********

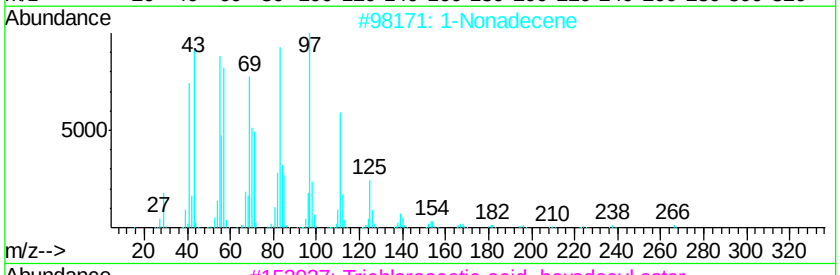
Peak Number 9 Bromoacetic acid, octadecyl... Concentration Rank 8

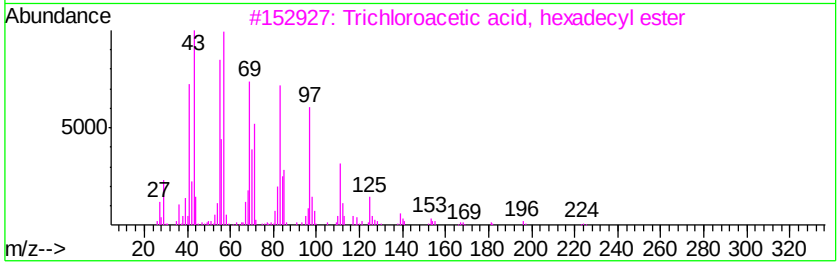
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.71 | 5.37 ng | 544926 | Chrysene-d12 | 13.85 |

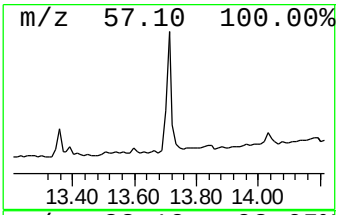
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 91 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 3 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 4 | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1 | 91 |
| 5 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |

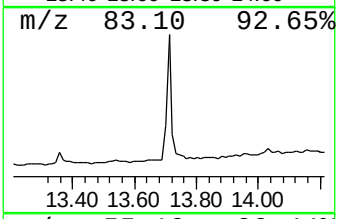


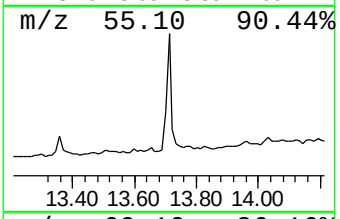



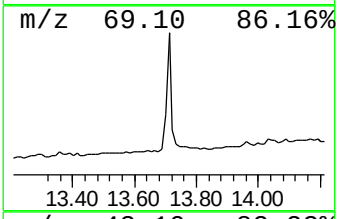



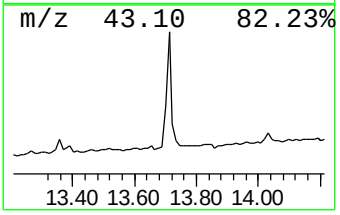



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.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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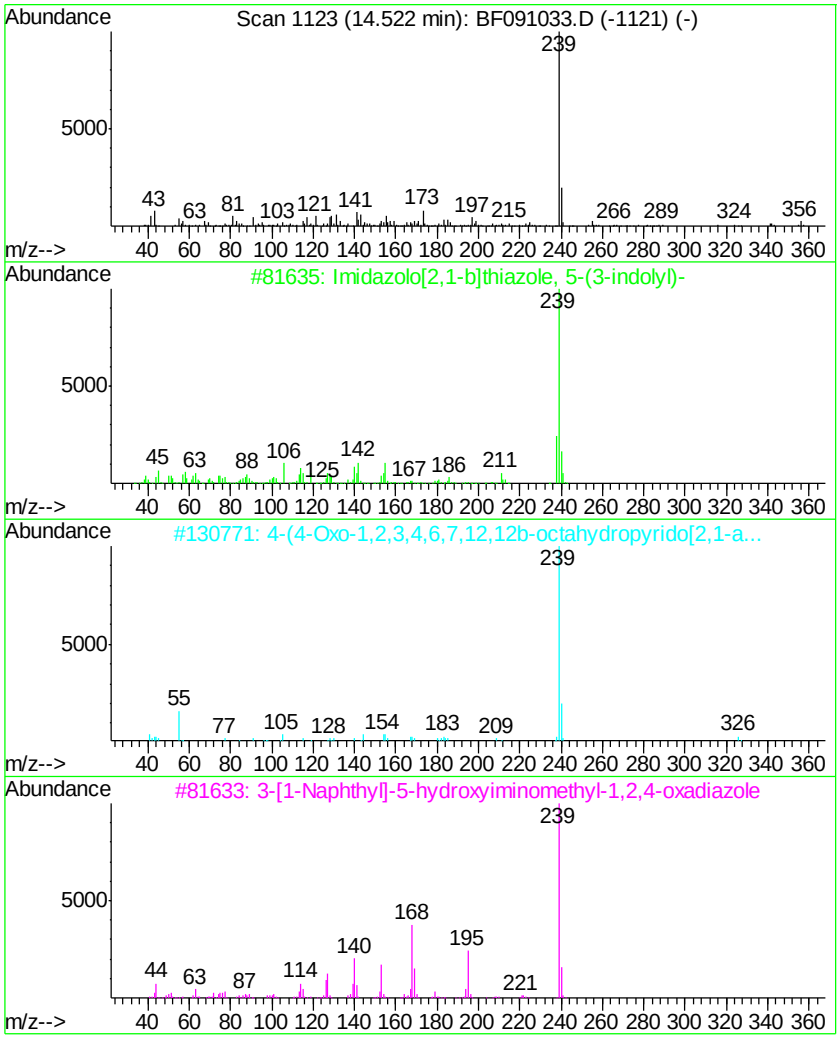
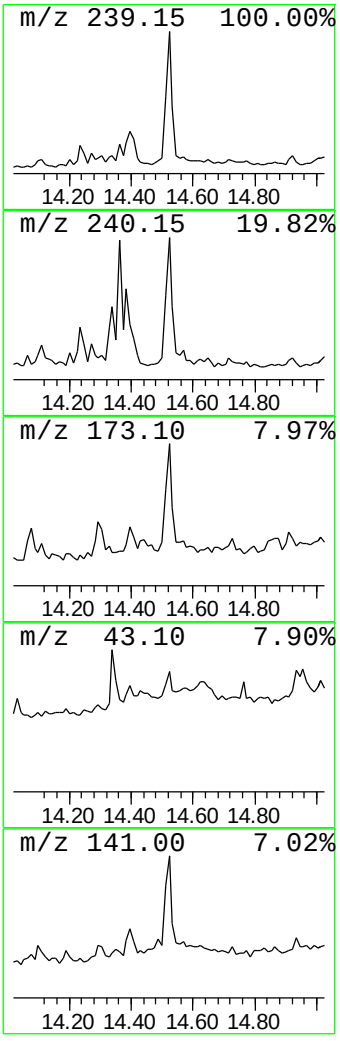
Peak Number 10 Imidazolo[2,1-b]thiazole, 5... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.52 | 3.01 ng | 305439 | Chrysene-d12 | 13.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Imidazolo[2,1-b]thiazole, 5-(3-i... | 239 | C13H9N3S | 327097-37-0 | 50 |
| 2 | 4-(4-Oxo-1,2,3,4,6,7,12,12b-octa... | 326 | C19H22N2O3 | 1000137-91-1 | 50 |
| 3 | 3-[1-Naphthyl]-5-hydroxyiminomet... | 239 | C13H9N3O2 | 103499-04-3 | 45 |
| 4 | 2-Methoxy-4-methyl-10H-acridin-9... | 239 | C15H13NO2 | 1000210-25-6 | 39 |
| 5 | 2,5-Dimethoxymandelic acid, di-TMS | 356 | C16H28O5Si2 | 1000072-02-8 | 39 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.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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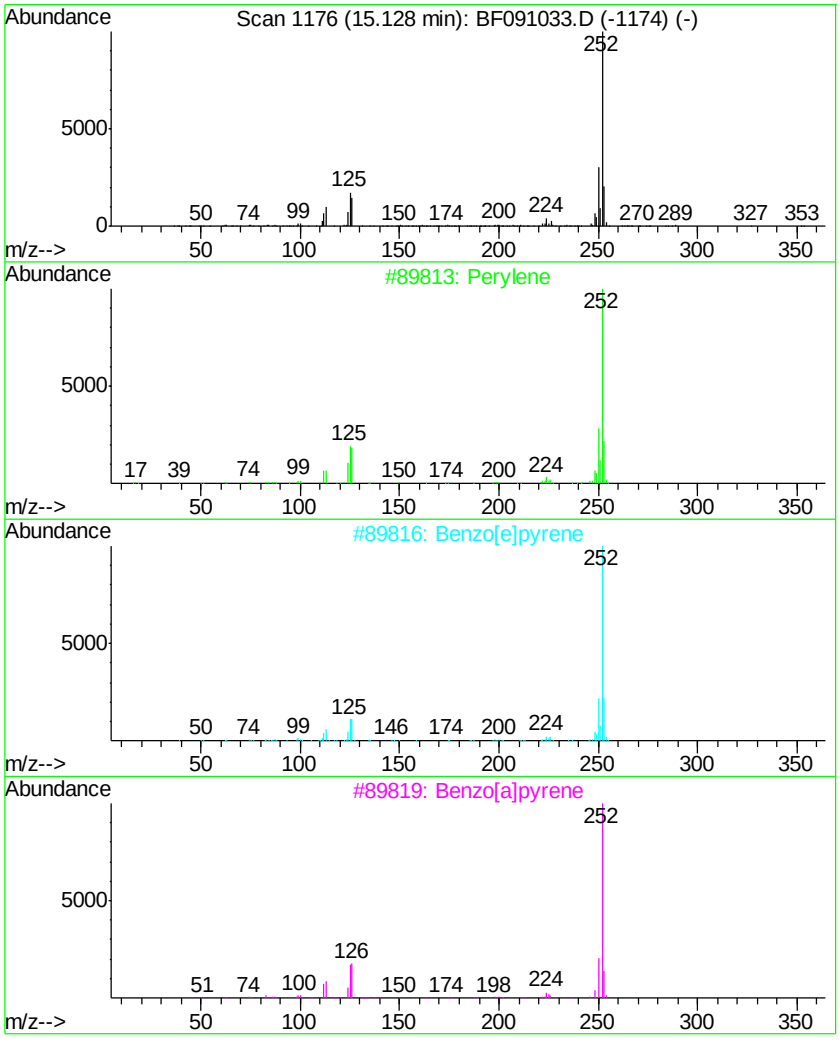
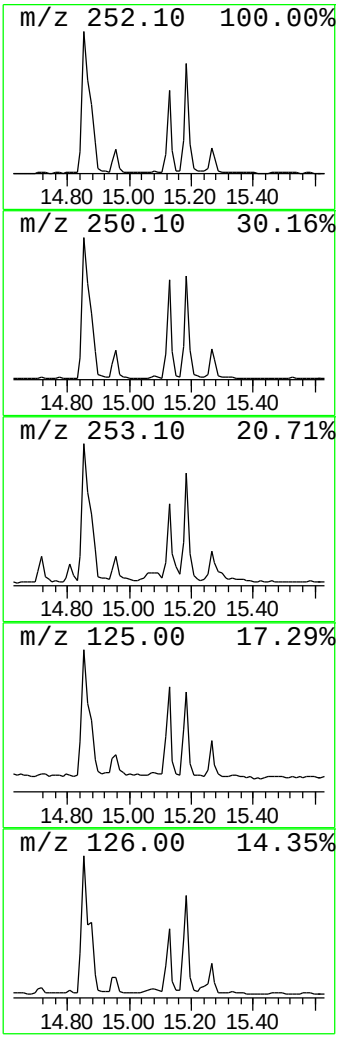
Peak Number 12 Perylene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.13 | 5.46 ng | 298841 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Perylene | 252 | C20H12 | 000198-55-0 | 99 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 95 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 94 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 91 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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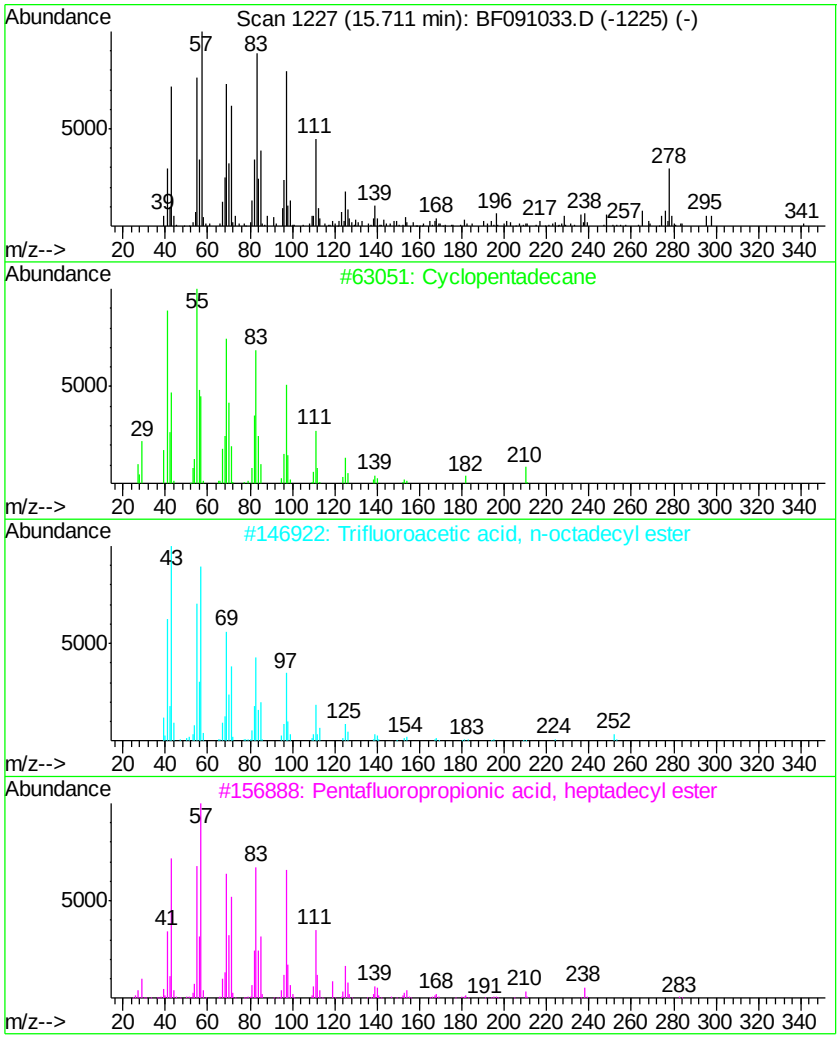
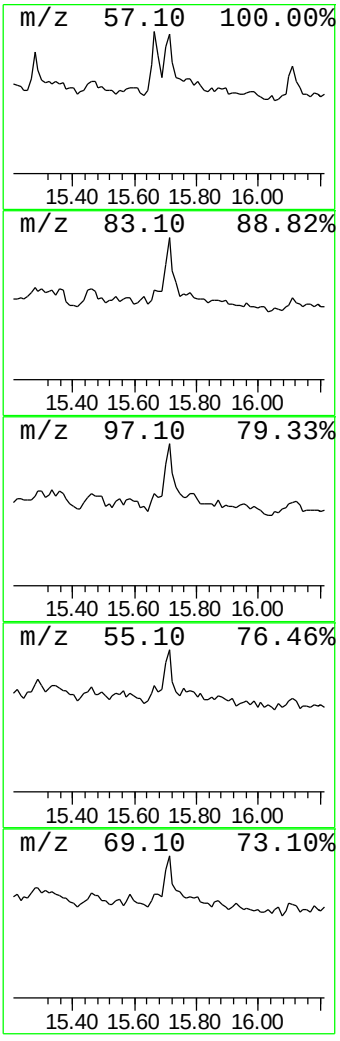
Peak Number 13 Cyclopentadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.71 | 5.81 ng | 317718 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 89 |
| 2 | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1 | 83 |
| 3 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 1000283-04-2 | 83 |
| 4 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 80 |
| 5 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 72 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.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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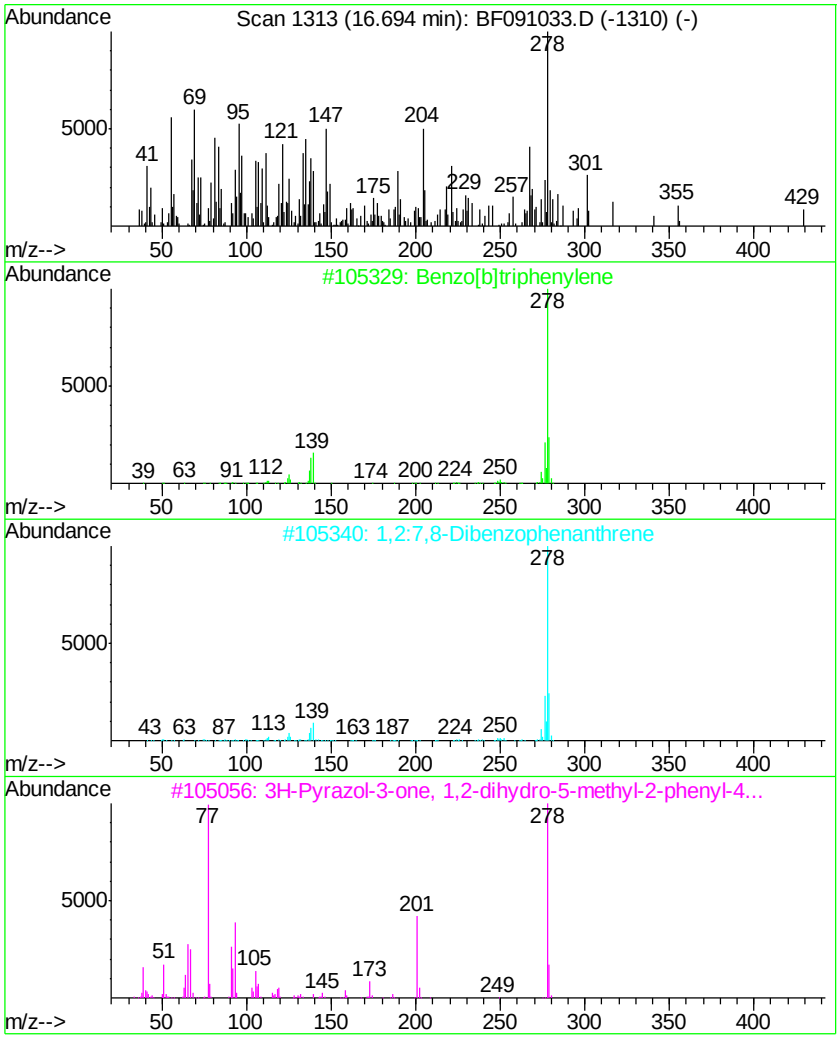
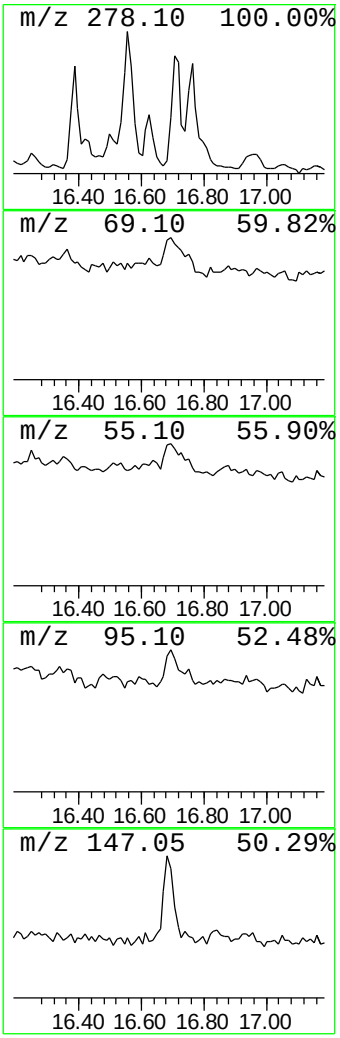
Peak Number 14 unknown16.69 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.69 | 4.50 ng | 245877 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]triphenylene | 278 | C22H14 | 000215-58-7 | 25 |
| 2 | 1,2:7,8-Dibenzophenanthrene | 278 | C22H14 | 000213-46-7 | 25 |
| 3 | 3H-Pyrazol-3-one, 1,2-dihydro-5-... | 278 | C16H14N4O | 053847-70-4 | 25 |
| 4 | Naphthalene, decahydro-4a-methyl... | 204 | C15H24 | 017066-67-0 | 25 |
| 5 | 2,3,4,5-Tetrahydro-2,4-dimethyl-... | 278 | C11H10N4O5 | 020113-63-7 | 18 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091033.D
Acq On : 4 Nov 2016 21:07
Operator : UM/SJ
Sample : H5526-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-100-1.0-1.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.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... | 4.85 | 20.5 | ng | 1111900 | 1 | 6.70 | 1086540 | 20.0 |
| unknown6.48 | 6.48 | 88.6 | ng | 4811720 | 1 | 6.70 | 1086540 | 20.0 |
| Phthalic anhydride | 8.75 | 3.1 | ng | 222698 | 2 | 7.98 | 1443700 | 20.0 |
| Tridecane | 10.66 | 2.4 | ng | 186052 | 4 | 11.22 | 1540850 | 20.0 |
| n-Hexadecanoic acid | 11.77 | 3.0 | ng | 231180 | 4 | 11.22 | 1540850 | 20.0 |
| Bromoacetic acid,... | 13.71 | 5.4 | ng | 544926 | 5 | 13.85 | 2031320 | 20.0 |
| Imidazolo[2,1-b]t... | 14.52 | 3.0 | ng | 305439 | 5 | 13.85 | 2031320 | 20.0 |
| Perylene | 15.13 | 5.5 | ng | 298841 | 6 | 15.24 | 1093760 | 20.0 |
| Cyclopentadecane | 15.71 | 5.8 | ng | 317718 | 6 | 15.24 | 1093760 | 20.0 |
| unknown16.69 | 16.69 | 4.5 | ng | 245877 | 6 | 15.24 | 1093760 | 20.0 |