LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

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-BF072716.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 | 1.655 | 5 | 6 | 36 | rVB | 1289944 | 2863353 | 27.91% | 5.629% |
| 2 | 4.581 | 259 | 262 | 271 | rBV | 186343 | 370011 | 3.61% | 0.727% |
| 3 | 5.061 | 302 | 304 | 316 | rBV | 815291 | 1326010 | 12.93% | 2.607% |
| 4 | 6.159 | 398 | 400 | 407 | rBV | 825009 | 1382660 | 13.48% | 2.718% |
| 5 | 6.262 | 407 | 409 | 421 | rVB | 1230831 | 1399172 | 13.64% | 2.751% |
| 6 | 6.456 | 421 | 426 | 427 | rBV | 48804 | 143450 | 1.40% | 0.282% |
| 7 | 6.490 | 427 | 429 | 440 | rVB | 292449 | 404969 | 3.95% | 0.796% |
| 8 | 6.650 | 440 | 443 | 445 | rBV | 997194 | 1067284 | 10.40% | 2.098% |
| 9 | 7.073 | 477 | 480 | 482 | rBV | 654820 | 871906 | 8.50% | 1.714% |
| 10 | 7.519 | 517 | 519 | 529 | rVB4 | 29172 | 112183 | 1.09% | 0.221% |
| 11 | 7.782 | 539 | 542 | 544 | rBV | 329073 | 348054 | 3.39% | 0.684% |
| 12 | 8.273 | 581 | 585 | 587 | rBV | 97720 | 189502 | 1.85% | 0.373% |
| 13 | 8.616 | 611 | 615 | 620 | rBV2 | 87271 | 215306 | 2.10% | 0.423% |
| 14 | 8.856 | 634 | 636 | 639 | rVV | 1205425 | 1347864 | 13.14% | 2.650% |
| 15 | 9.256 | 670 | 671 | 674 | rBV | 133803 | 174652 | 1.70% | 0.343% |
| 16 | 9.519 | 692 | 694 | 697 | rVV | 472026 | 441587 | 4.30% | 0.868% |
| 17 | 9.782 | 711 | 717 | 719 | rBV | 420528 | 881519 | 8.59% | 1.733% |
| 18 | 10.308 | 761 | 763 | 766 | rBV | 905661 | 959789 | 9.36% | 1.887% |
| 19 | 10.525 | 780 | 782 | 785 | rVB | 81443 | 107835 | 1.05% | 0.212% |
| 20 | 10.708 | 794 | 798 | 802 | rVV | 258701 | 469488 | 4.58% | 0.923% |
| 21 | 10.868 | 810 | 812 | 819 | rVB2 | 145399 | 199733 | 1.95% | 0.393% |
| 22 | 10.993 | 819 | 823 | 827 | rBV | 426893 | 491579 | 4.79% | 0.966% |
| 23 | 11.405 | 857 | 859 | 862 | rVB | 86837 | 108258 | 1.06% | 0.213% |
| 24 | 11.588 | 869 | 875 | 878 | rBV2 | 1899112 | 5172337 | 50.42% | 10.168% |
| 25 | 11.713 | 884 | 886 | 891 | rVB2 | 68083 | 105203 | 1.03% | 0.207% |
| 26 | 11.954 | 905 | 907 | 912 | rBV | 58227 | 116490 | 1.14% | 0.229% |
| 27 | 12.251 | 930 | 933 | 938 | rVV2 | 441738 | 1236718 | 12.06% | 2.431% |
| 28 | 12.365 | 938 | 943 | 946 | rVV | 2353463 | 5906569 | 57.58% | 11.611% |
| 29 | 12.434 | 948 | 949 | 951 | rVV | 131213 | 187507 | 1.83% | 0.369% |
| 30 | 12.468 | 951 | 952 | 957 | rVB2 | 147147 | 222480 | 2.17% | 0.437% |
| 31 | 12.582 | 959 | 962 | 964 | rBV | 1012032 | 1060271 | 10.34% | 2.084% |
| 32 | 12.822 | 980 | 983 | 985 | rBV | 224494 | 240702 | 2.35% | 0.473% |
| 33 | 13.051 | 999 | 1003 | 1007 | rVV3 | 97360 | 211376 | 2.06% | 0.416% |
| 34 | 13.119 | 1007 | 1009 | 1010 | rVV | 63875 | 107534 | 1.05% | 0.211% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

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-BF072716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.154 | 1010 | 1012 | 1015 | rVV2 | 371966 | 636734 | 6.21% | 1.252% |
| 36 | 13.428 | 1033 | 1036 | 1038 | rBV | 966036 | 1854515 | 18.08% | 3.646% |
| 37 | 13.519 | 1038 | 1044 | 1046 | rVV2 | 3523144 | 10257962 | 100.00% | 20.165% |
| 38 | 13.554 | 1046 | 1047 | 1050 | rVV | 485490 | 420874 | 4.10% | 0.827% |
| 39 | 13.622 | 1050 | 1053 | 1057 | rVB2 | 274194 | 396839 | 3.87% | 0.780% |
| 40 | 13.805 | 1066 | 1069 | 1074 | rVB | 526351 | 671526 | 6.55% | 1.320% |
| 41 | 14.102 | 1092 | 1095 | 1098 | rBV | 511827 | 697935 | 6.80% | 1.372% |
| 42 | 14.262 | 1106 | 1109 | 1112 | rBV | 1466375 | 1943493 | 18.95% | 3.821% |
| 43 | 14.399 | 1117 | 1121 | 1123 | rBV2 | 418955 | 744592 | 7.26% | 1.464% |
| 44 | 14.468 | 1123 | 1127 | 1129 | rVB | 130142 | 198536 | 1.94% | 0.390% |
| 45 | 14.685 | 1143 | 1146 | 1149 | rBV | 426605 | 496536 | 4.84% | 0.976% |
| 46 | 14.937 | 1166 | 1168 | 1170 | rBV | 165408 | 194164 | 1.89% | 0.382% |
| 47 | 14.994 | 1170 | 1173 | 1175 | rVB | 209345 | 311371 | 3.04% | 0.612% |
| 48 | 15.337 | 1199 | 1203 | 1204 | rBV | 171313 | 270594 | 2.64% | 0.532% |
| 49 | 15.371 | 1204 | 1206 | 1209 | rVV | 108744 | 189271 | 1.85% | 0.372% |
| 50 | 15.428 | 1209 | 1211 | 1215 | rVB | 79338 | 114031 | 1.11% | 0.224% |
| 51 | 15.725 | 1233 | 1237 | 1245 | rVB2 | 105221 | 220546 | 2.15% | 0.434% |
| 52 | 16.171 | 1273 | 1276 | 1279 | rBV | 68468 | 123752 | 1.21% | 0.243% |
| 53 | 16.537 | 1304 | 1308 | 1314 | rBV | 162170 | 370798 | 3.61% | 0.729% |
| 54 | 18.857 | 1505 | 1511 | 1517 | rBV2 | 103087 | 312269 | 3.04% | 0.614% |

Sum of corrected areas: 50869689

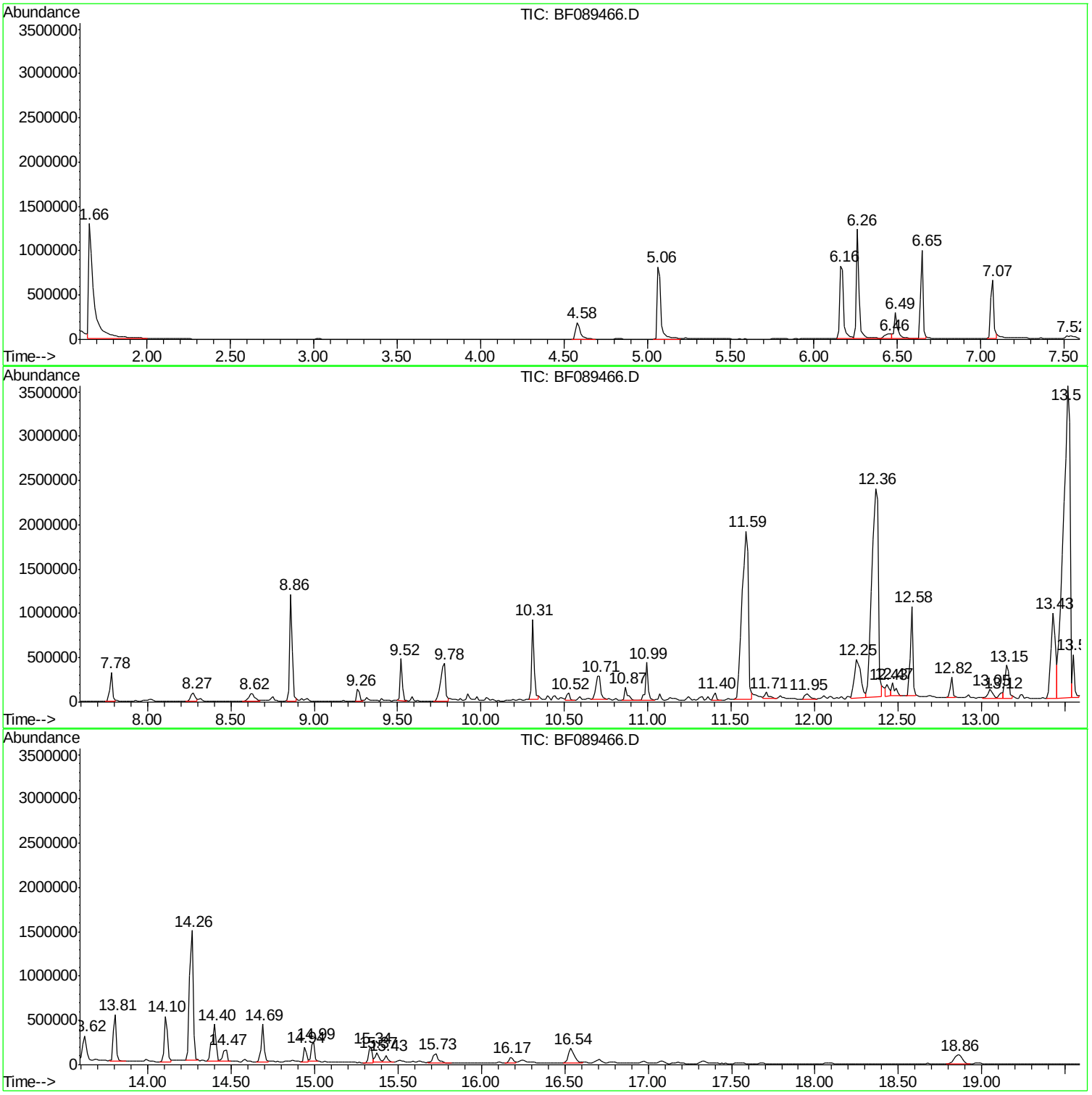
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

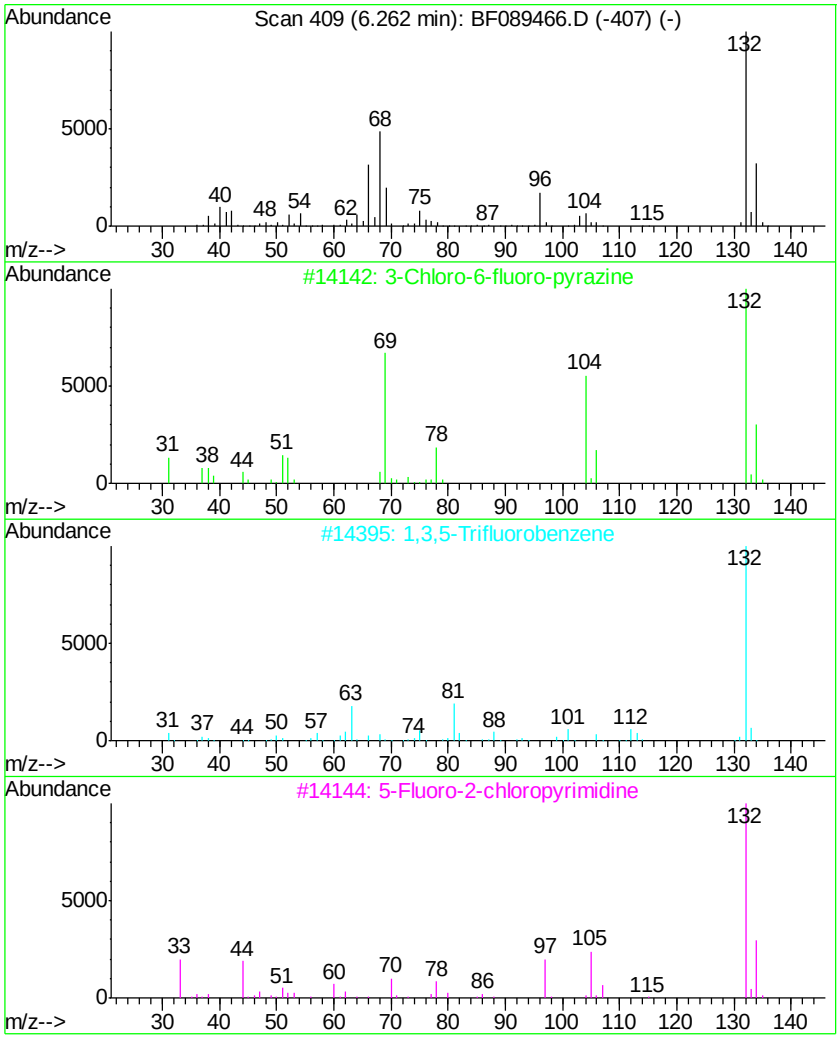
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

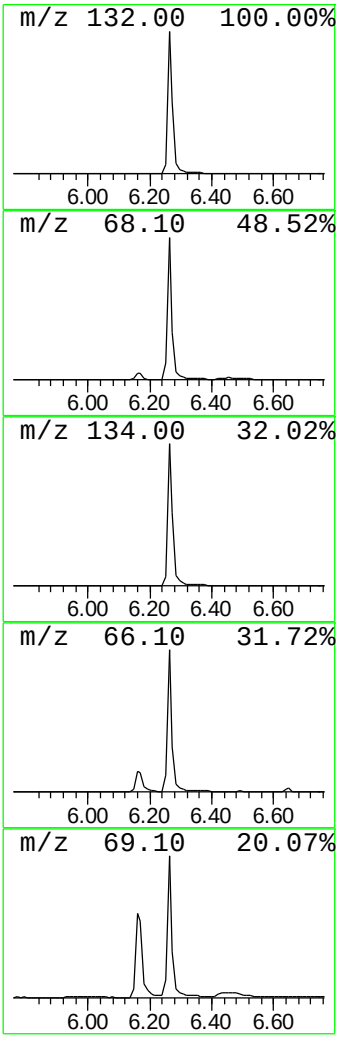
**********

Peak Number 2 unknown6.26 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.26 | 69.10 ng | 1399170 | 1,4-Dichlorobenzene-d4 | 6.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 1,3,5-Trifluorobenzene | 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 | Cyclopropanamine, 1-phenyl- | 133 | C9H11N | 1000351-26-2 | 10 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

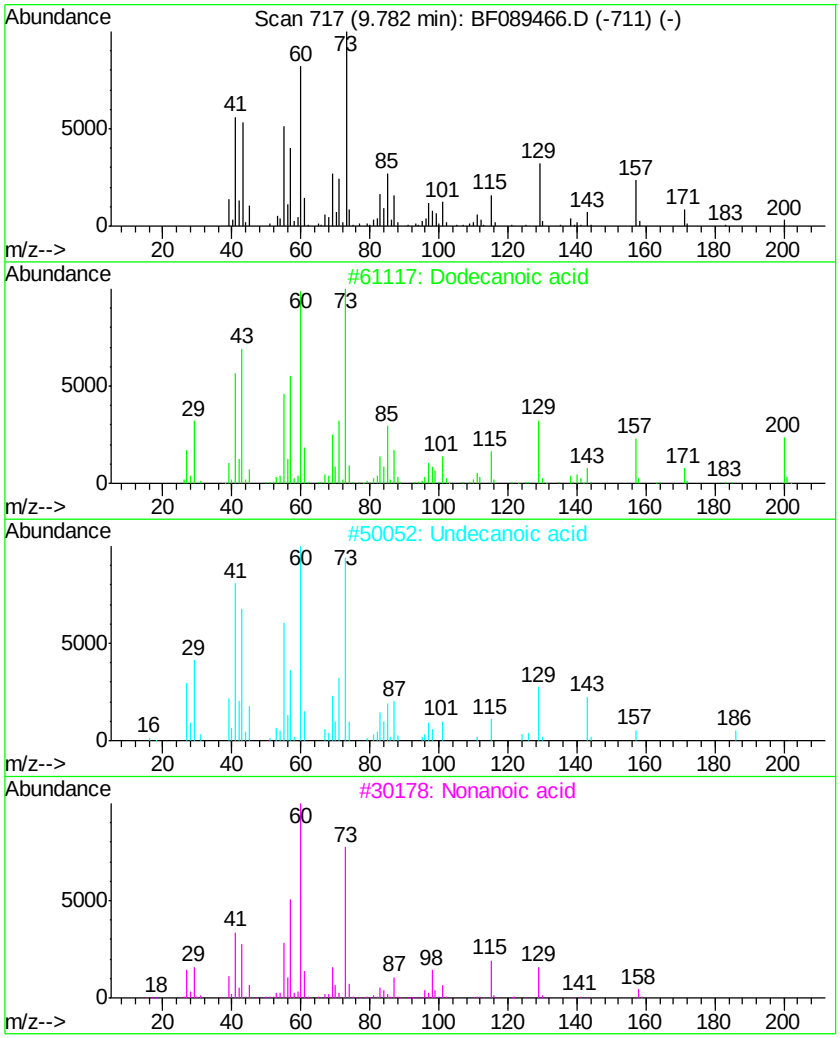
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

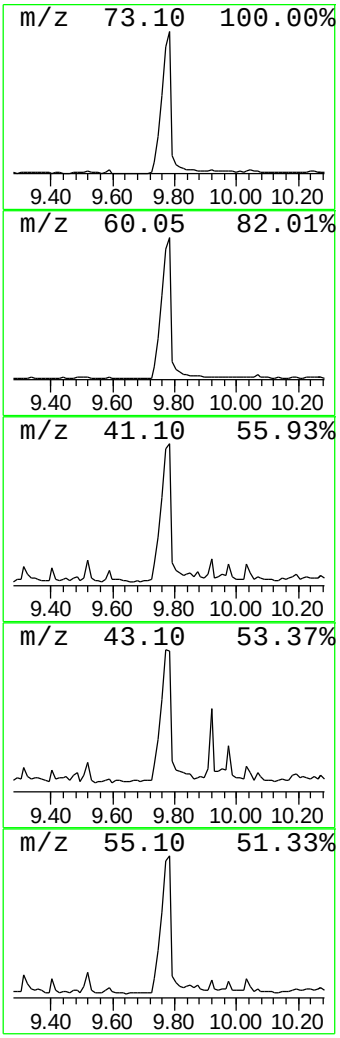
**********

Peak Number 4 Dodecanoic acid Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.78 | 39.93 ng | 881519 | Acenaphthene-d10 | 9.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 91 |
| 2 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 64 |
| 3 | Nonanoic acid | 158 | C9H18O2 | 000112-05-0 | 58 |
| 4 | Octanoic acid | 144 | C8H16O2 | 000124-07-2 | 49 |
| 5 | Pentanoic acid, 3-methyl- | 116 | C6H12O2 | 000105-43-1 | 27 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

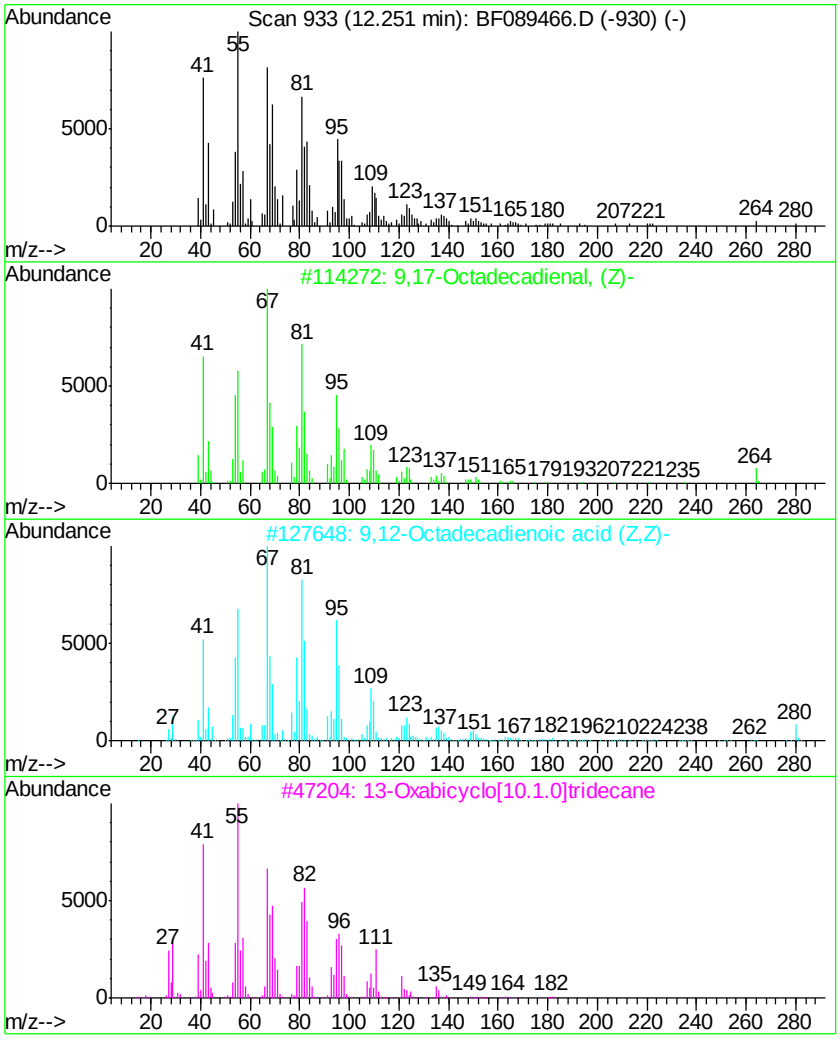
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

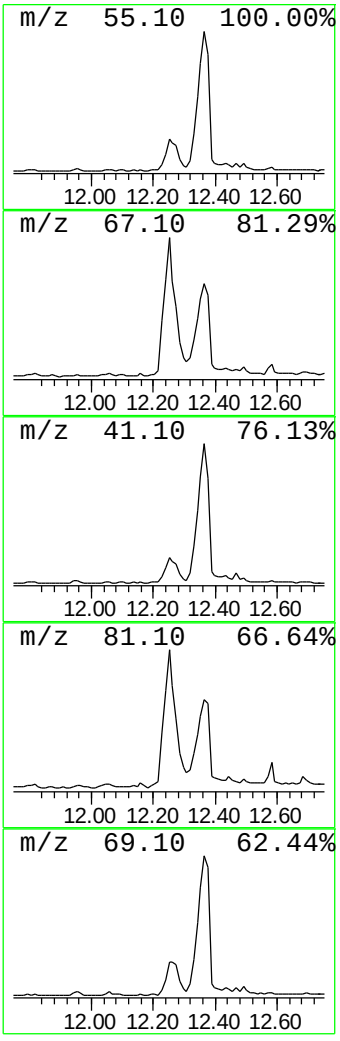
**********

Peak Number 5 9,17-Octadecadienal, (Z)- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.25 | 50.32 ng | 1236720 | Phenanthrene-d10 | 10.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,17-Octadecadienal, (Z)- | 264 | C18H32O | 056554-35-9 | 97 |
| 2 | 9,12-Octadecadienoic acid (Z,Z)- | 280 | C18H32O2 | 000060-33-3 | 97 |
| 3 | 13-Oxabicyclo[10.1.0]tridecane | 182 | C12H22O | 000286-99-7 | 70 |
| 4 | 9-Eicosyne | 278 | C20H38 | 071899-38-2 | 68 |
| 5 | 2-Chloroethyl linoleate | 342 | C20H35ClO2 | 025525-76-2 | 68 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

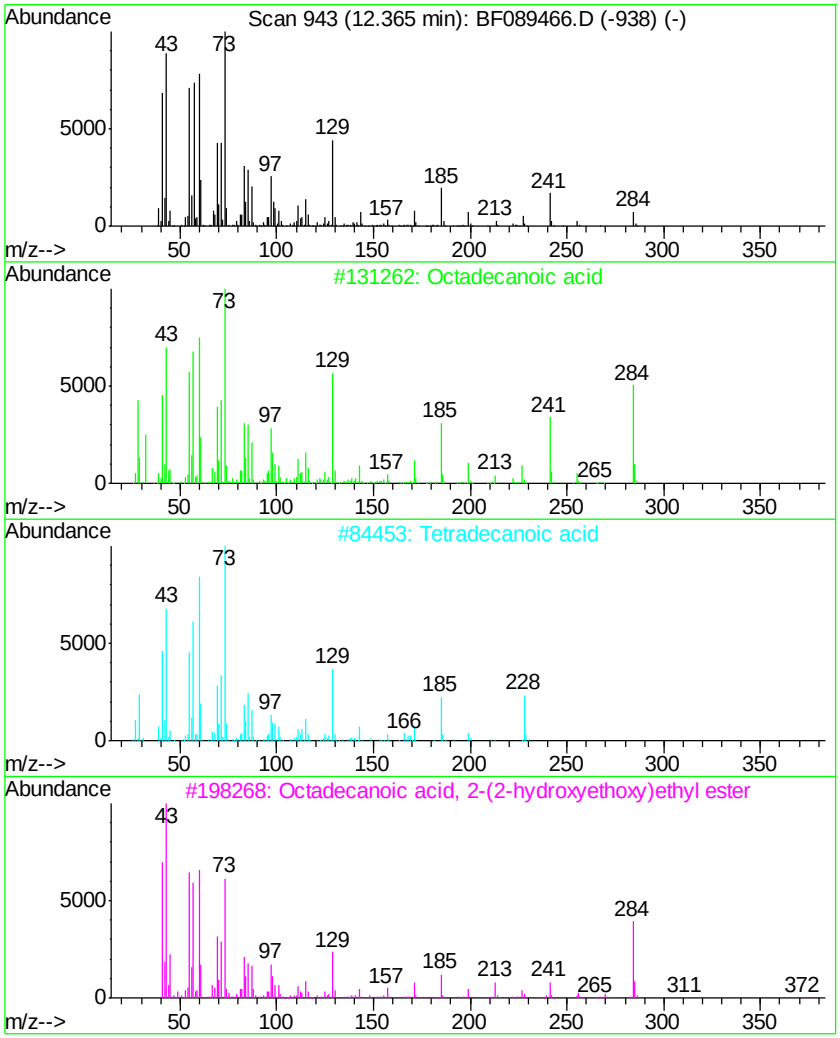
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

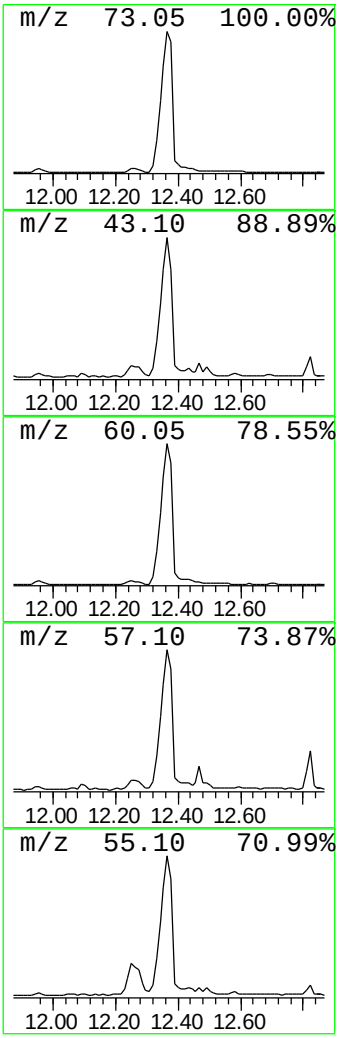
**********

Peak Number 6 Octadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.37 | 297.68 ng | 5906570 | Chrysene-d12 | 13.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 91 |
| 3 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 87 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 68 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

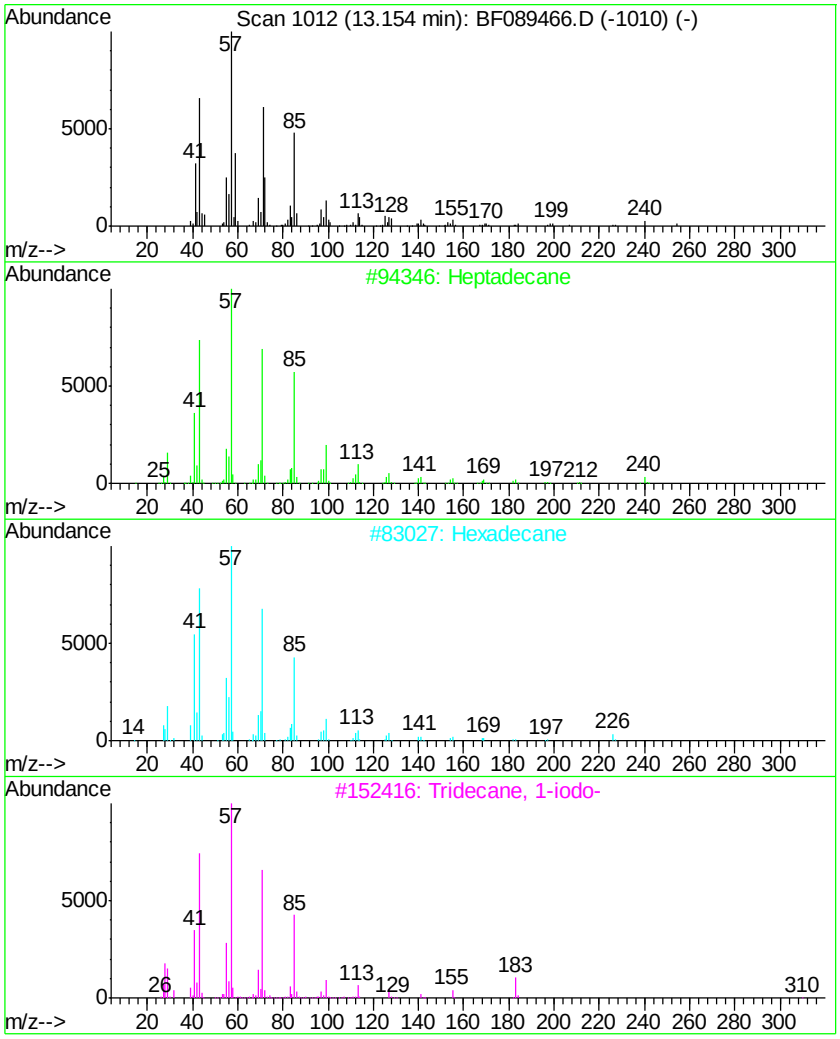
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

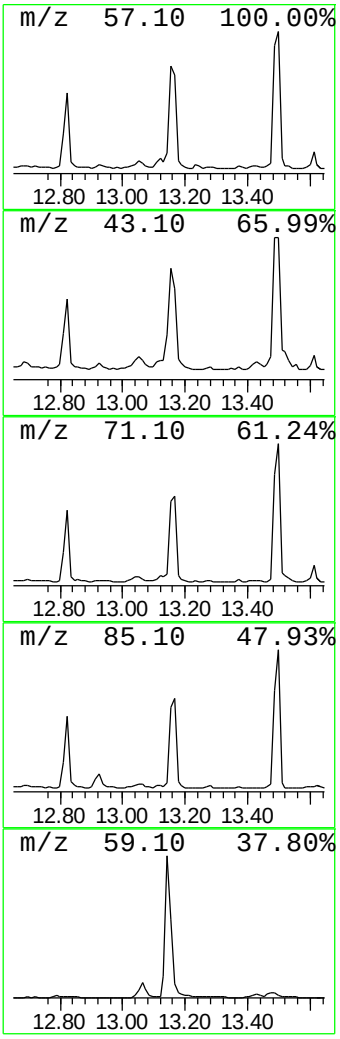
**********

Peak Number 7 Heptadecane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.15 | 32.09 ng | 636734 | Chrysene-d12 | 13.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 64 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 62 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 58 |
| 4 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 52 |
| 5 | 1-Iodo-2-methylnonane | 268 | C10H21I | 1000101-47-9 | 52 |



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Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

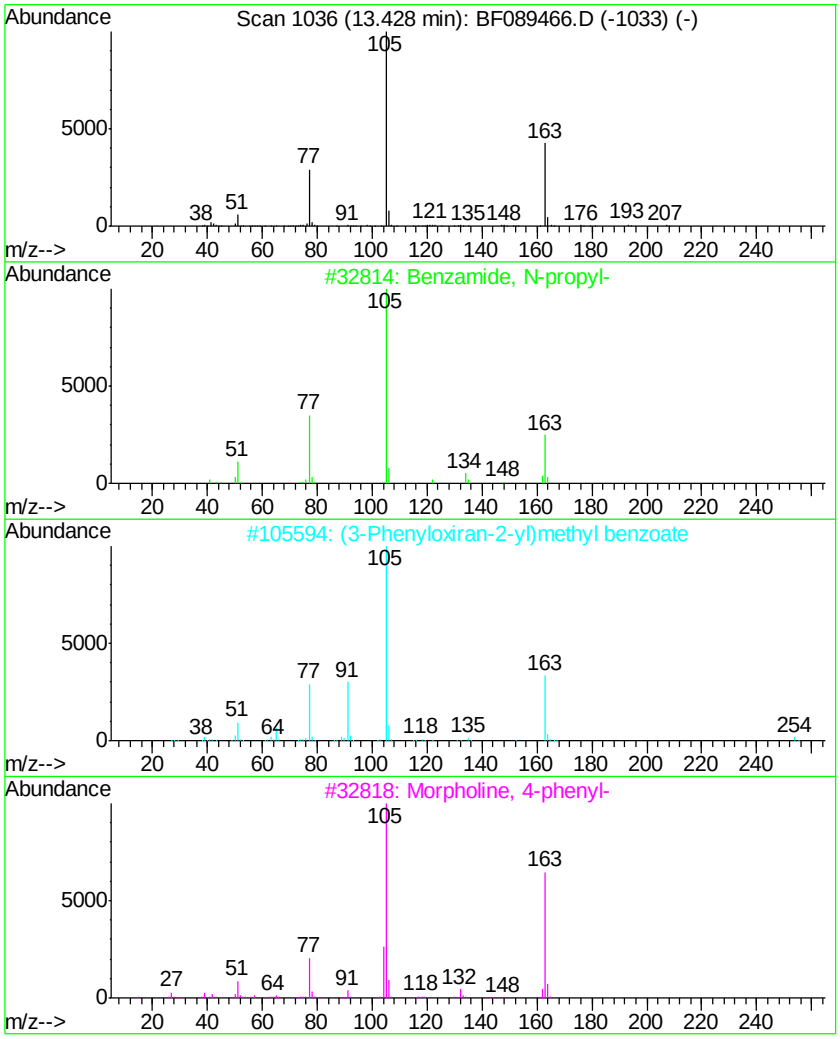
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

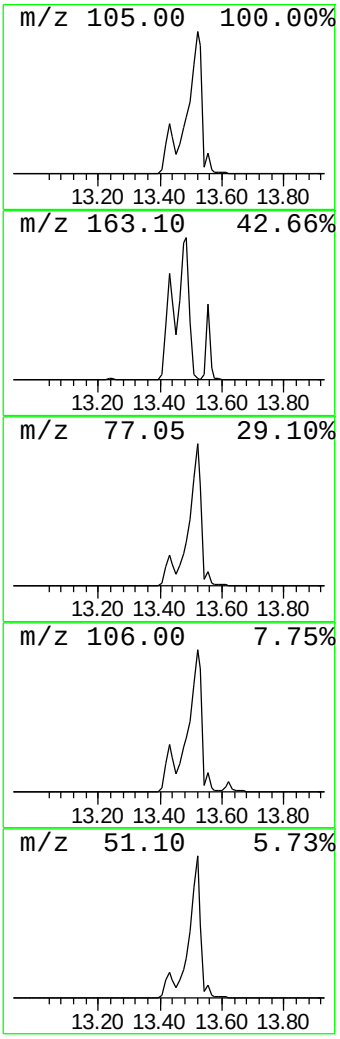
**********

Peak Number 8 Benzamide, N-propyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.43 | 93.46 ng | 1854520 | Chrysene-d12 | 13.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzamide, N-propyl- | 163 | C10H13NO | 010546-70-0 | 56 |
| 2 | (3-Phenyloxiran-2-yl)methyl benz... | 254 | C16H14O3 | 1000366-96-1 | 56 |
| 3 | Morpholine, 4-phenyl- | 163 | C10H13NO | 000092-53-5 | 56 |
| 4 | 1-Propanol, 2-[2-(benzoyloxy)pro... | 342 | C20H22O5 | 020109-39-1 | 43 |
| 5 | L-Alanine, N-benzoyl-, methyl ester | 207 | C11H13NO3 | 007244-67-9 | 38 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

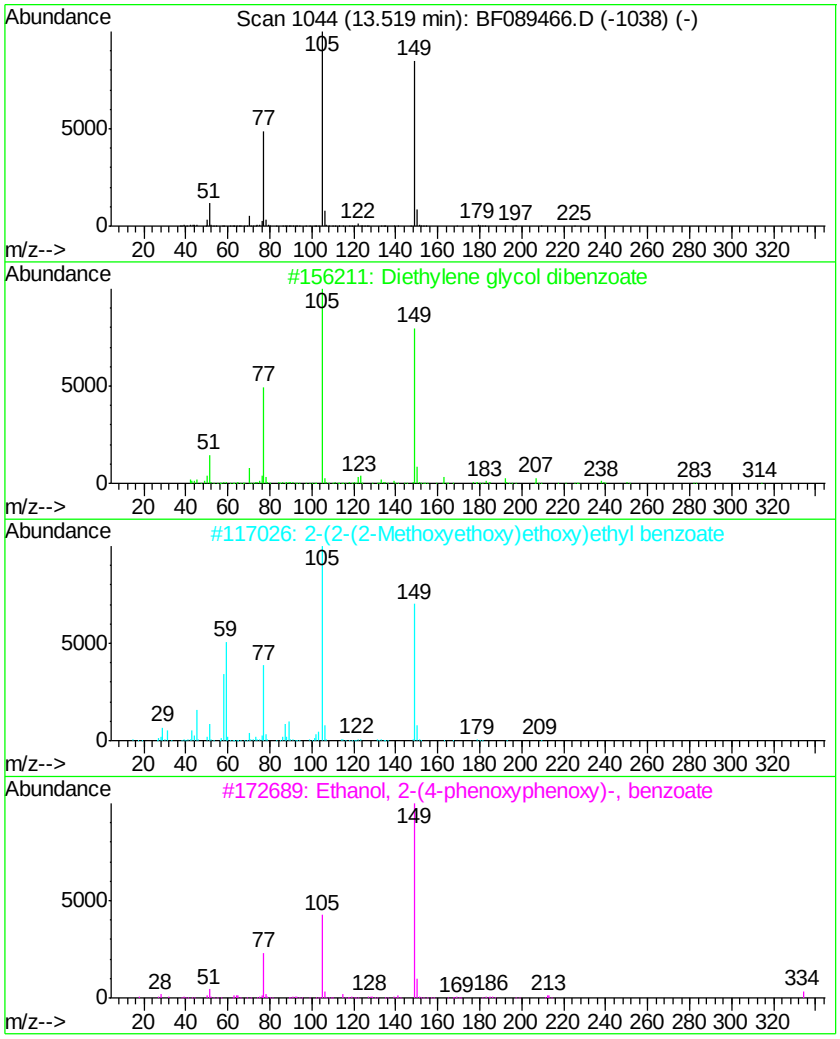
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

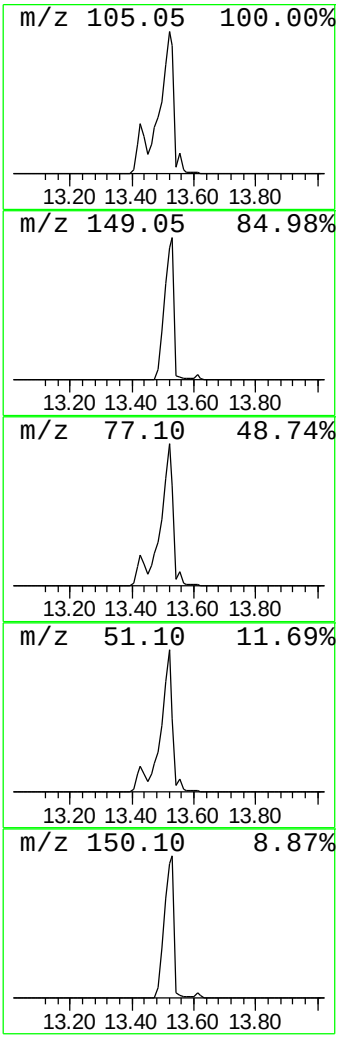
**********

Peak Number 9 Diethylene glycol dibenzoate Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.52 | 516.98 ng | 10258000 | Chrysene-d12 | 13.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diethylene glycol dibenzoate | 314 | C18H18O5 | 000120-55-8 | 78 |
| 2 | 2-(2-(2-Methoxyethoxy)ethoxy)eth... | 268 | C14H20O5 | 1000366-99-1 | 74 |
| 3 | Ethanol, 2-(4-phenoxyphenoxy)-, ... | 334 | C21H18O4 | 055191-59-8 | 64 |
| 4 | 1,3-Dioxolane, 2-(methoxymethyl)... | 194 | C11H14O3 | 1000156-71-2 | 59 |
| 5 | 3,6,9,12-Tetraoxatetradecane-1,1... | 446 | C24H30O8 | 1000366-97-0 | 56 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

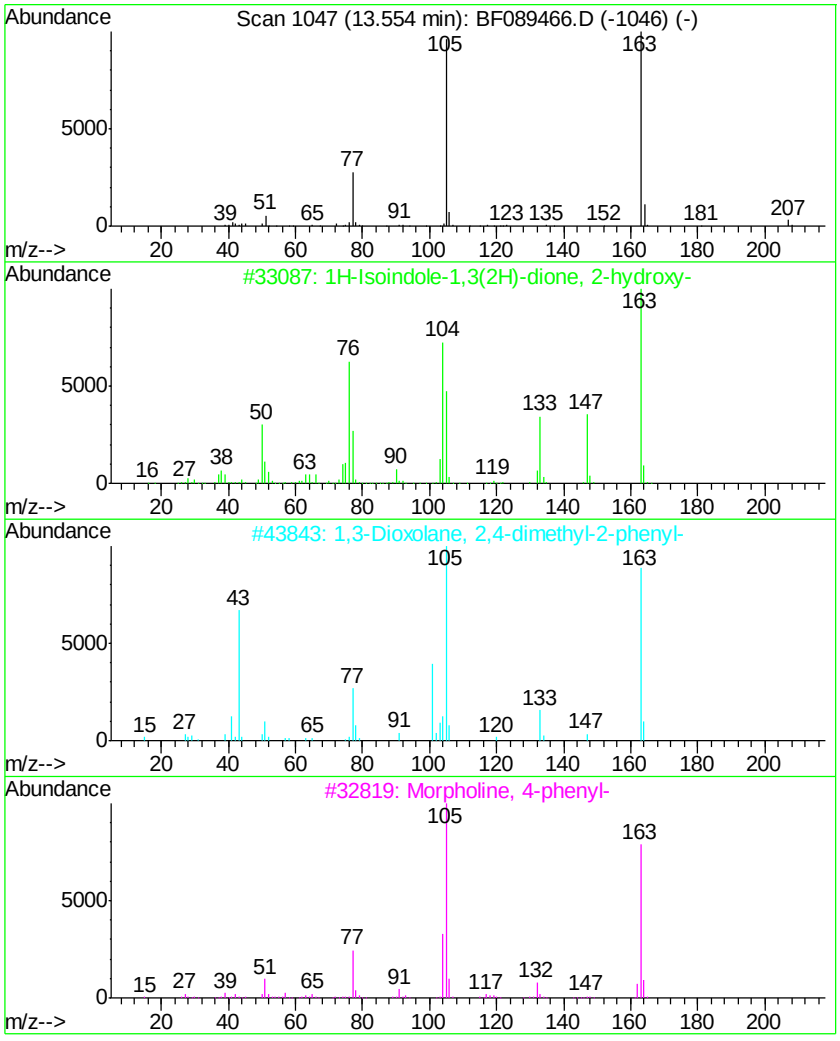
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

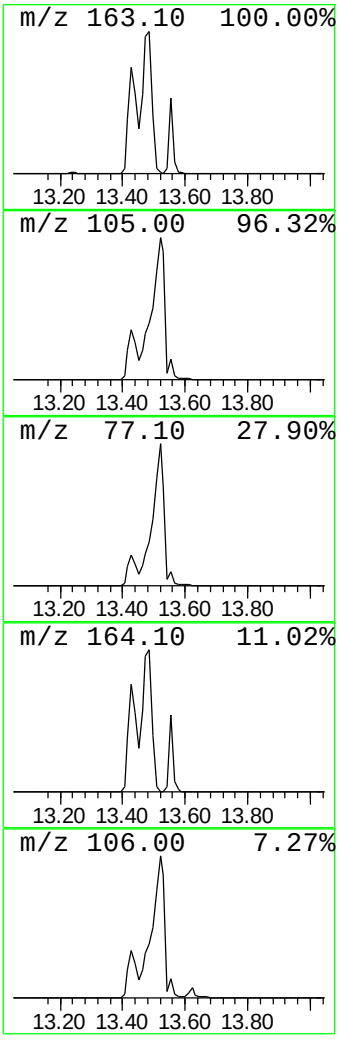
**********

Peak Number 10 1H-Isoindole-1,3(2H)-dione,... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.55 | 21.21 ng | 420874 | Chrysene-d12 | 13.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Isoindole-1,3(2H)-dione, 2-hy... | 163 | C8H5NO3 | 000524-38-9 | 56 |
| 2 | 1,3-Dioxolane, 2,4-dimethyl-2-ph... | 178 | C11H14O2 | 004359-30-2 | 43 |
| 3 | Morpholine, 4-phenyl- | 163 | C10H13NO | 000092-53-5 | 40 |
| 4 | 3,5-Dimethylphenyl isothiocyanate | 163 | C9H9NS | 040046-30-8 | 40 |
| 5 | Phthalic acid, 4-isopropylphenyl... | 298 | C18H18O4 | 1000315-65-7 | 33 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

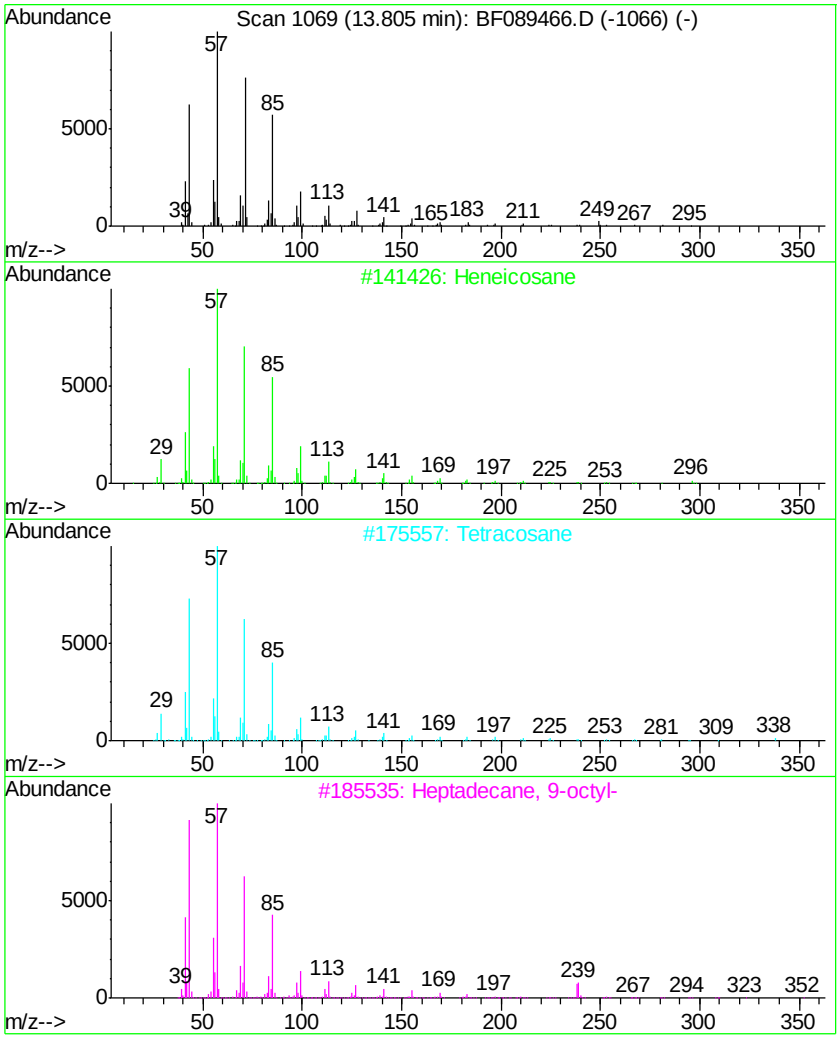
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

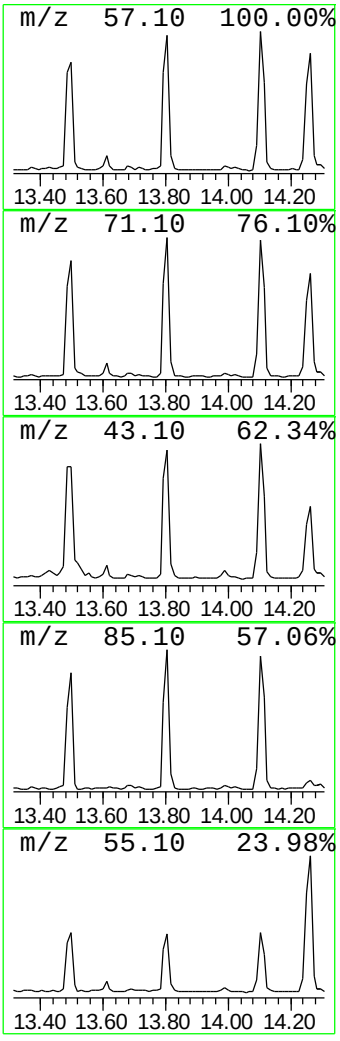
**********

Peak Number 11 Heneicosane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.81 | 33.84 ng | 671526 | Chrysene-d12 | 13.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 4 | Octadecane | 254 | C18H38 | 000593-45-3 | 87 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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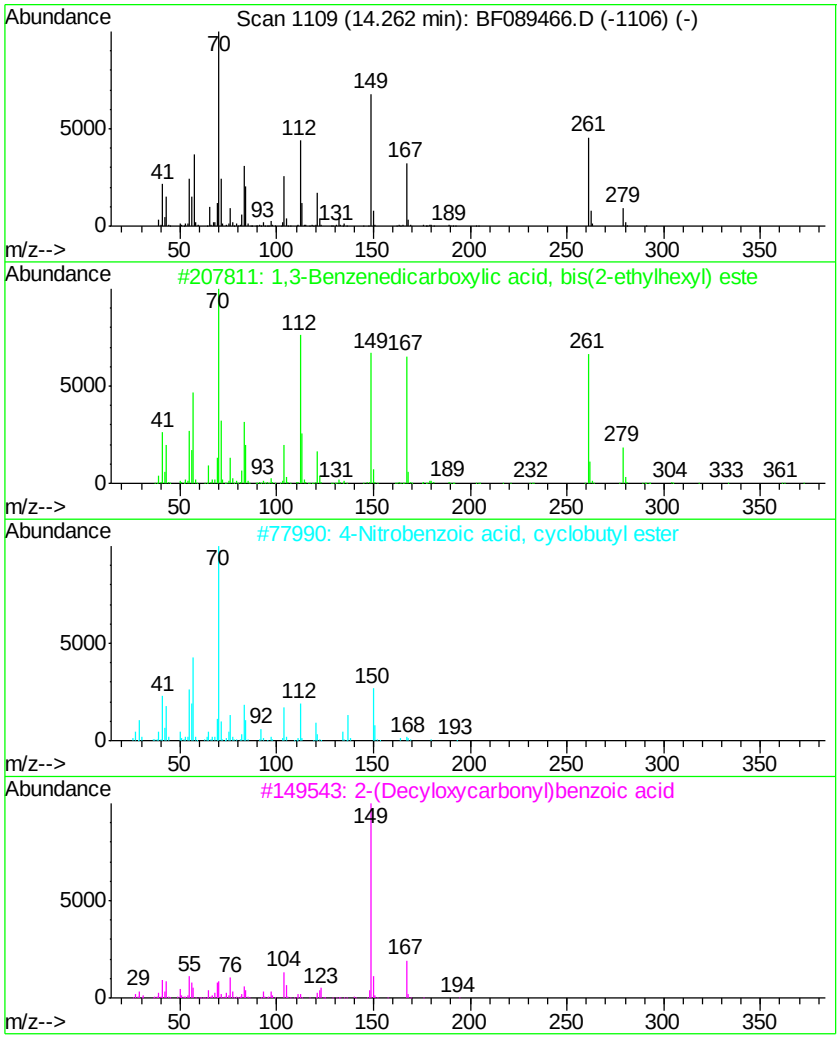
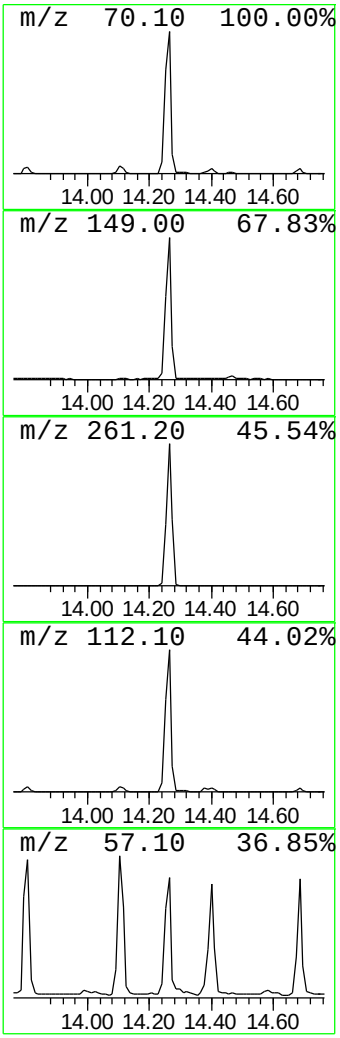
Peak Number 13 1,3-Benzenedicarboxylic aci... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.26 | 97.95 ng | 1943490 | Chrysene-d12 | 13.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Benzenedicarboxylic acid, bi... | 390 | C24H38O4 | 000137-89-3 | 58 |
| 2 | 4-Nitrobenzoic acid, cyclobutyl ... | 221 | C11H11NO4 | 070335-00-1 | 25 |
| 3 | 2-(Decyloxycarbonyl)benzoic acid | 306 | C18H26O4 | 1000373-53-2 | 25 |
| 4 | Bis(2-ethylhexyl) phthalate | 390 | C24H38O4 | 000117-81-7 | 22 |
| 5 | 9-(2',2'-Dimethylpropanoilhydraz... | 576 | C30H42Cl2N4O3 | 1000111-04-6 | 18 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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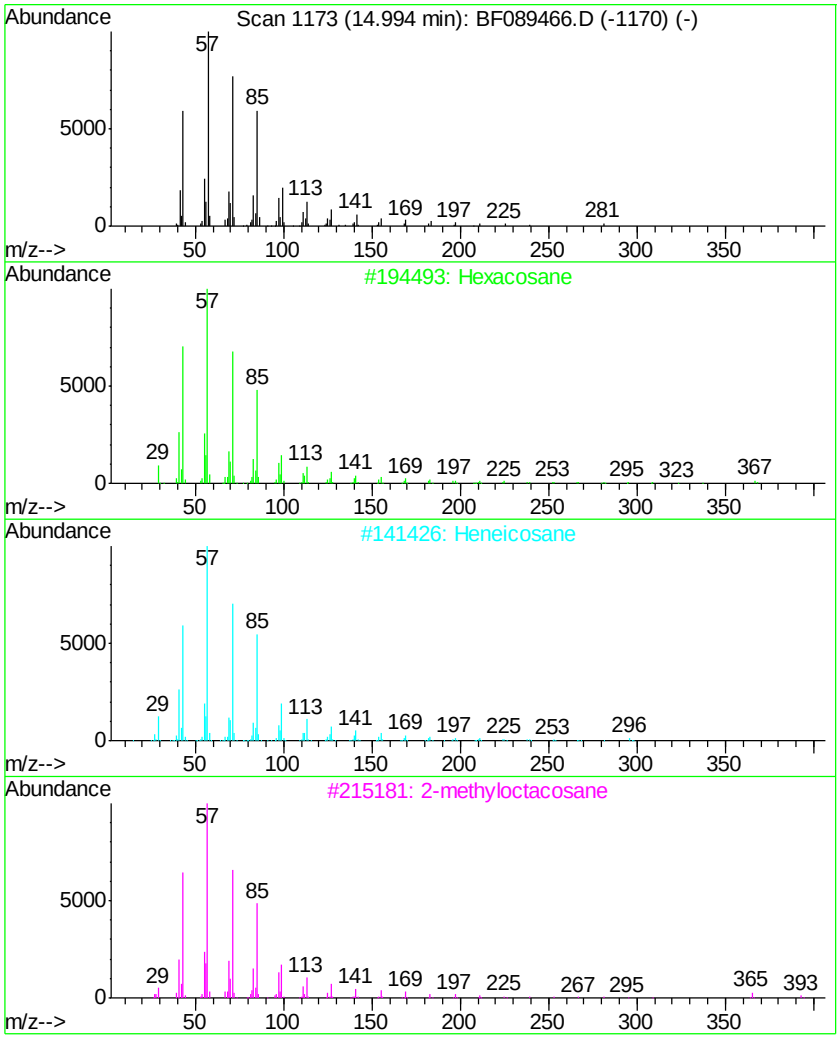
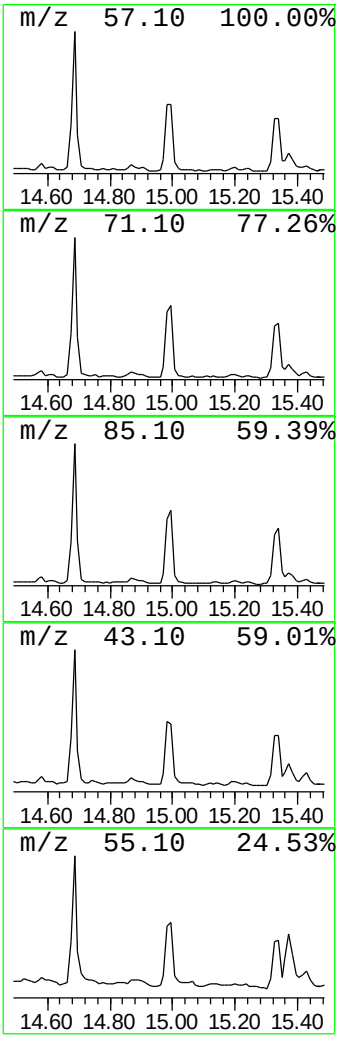
Peak Number 16 Hexacosane Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.99 | 32.07 ng | 311371 | Perylene-d12 | 14.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 90 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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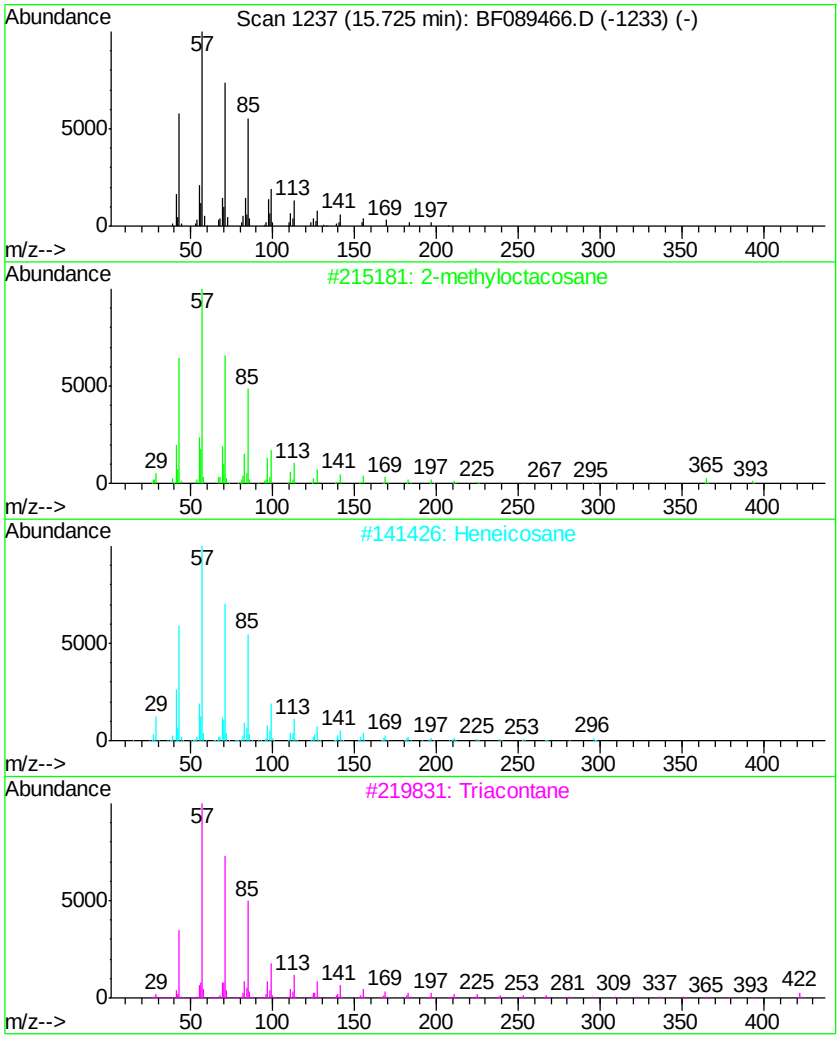
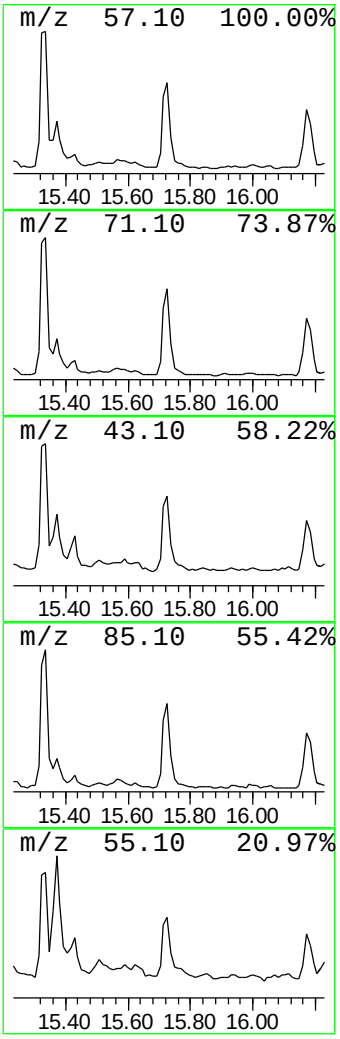
Peak Number 18 2-methyloctacosane Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.73 | 22.72 ng | 220546 | Perylene-d12 | 14.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 87 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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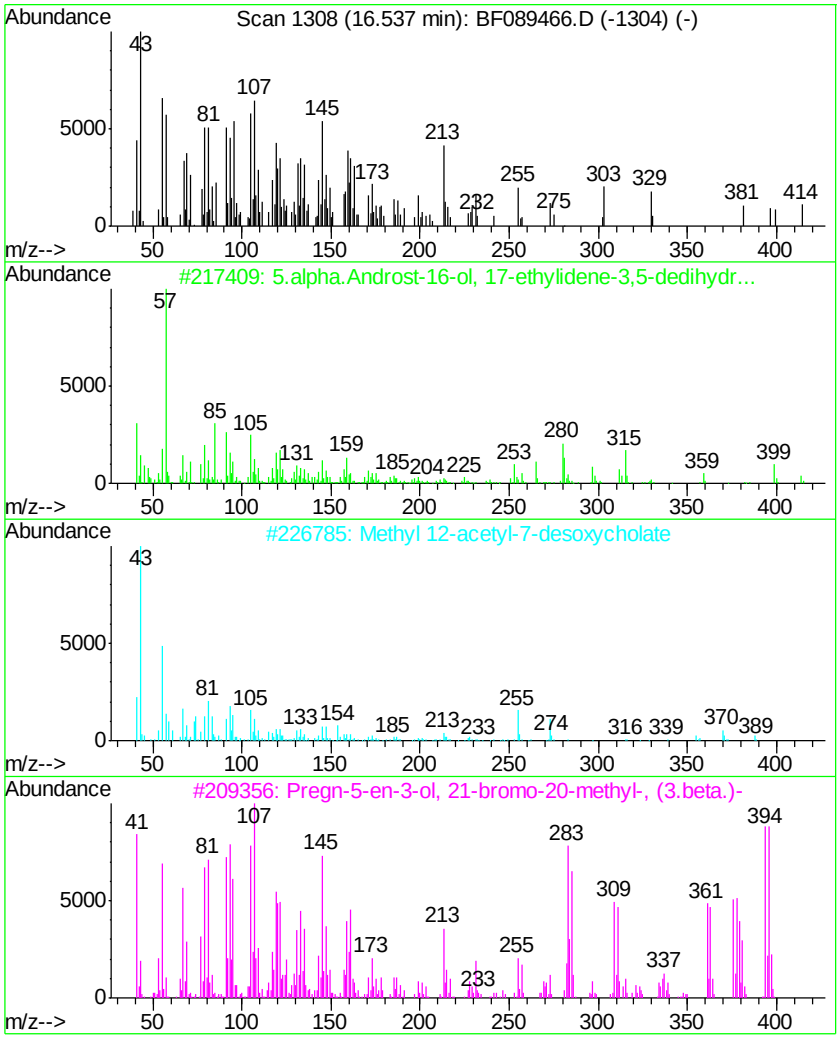
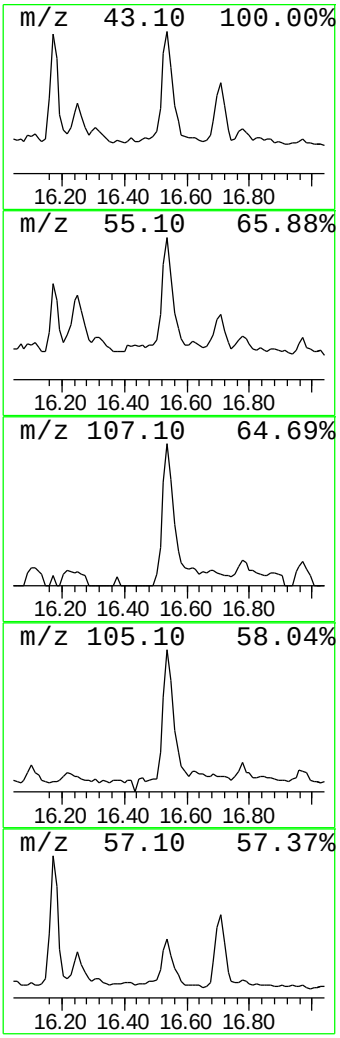
Peak Number 19 unknown16.54 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.54 | 38.19 ng | 370798 | Perylene-d12 | 14.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5.alpha.Androst-16-ol, 17-ethyli... | 414 | C27H42O3 | 1000124-58-6 | 35 |
| 2 | Methyl 12-acetyl-7-desoxycholate | 448 | C27H44O5 | 055547-48-3 | 25 |
| 3 | Pregn-5-en-3-ol, 21-bromo-20-met... | 394 | C22H35BrO | 055103-80-5 | 25 |
| 4 | Isoborneol, methyl(methoxy)silyl... | 228 | C12H24O2Si | 1000278-56-2 | 18 |
| 5 | Cholest-5-ene, 3-ethoxy-, (3.bet... | 414 | C29H50O | 000986-19-6 | 18 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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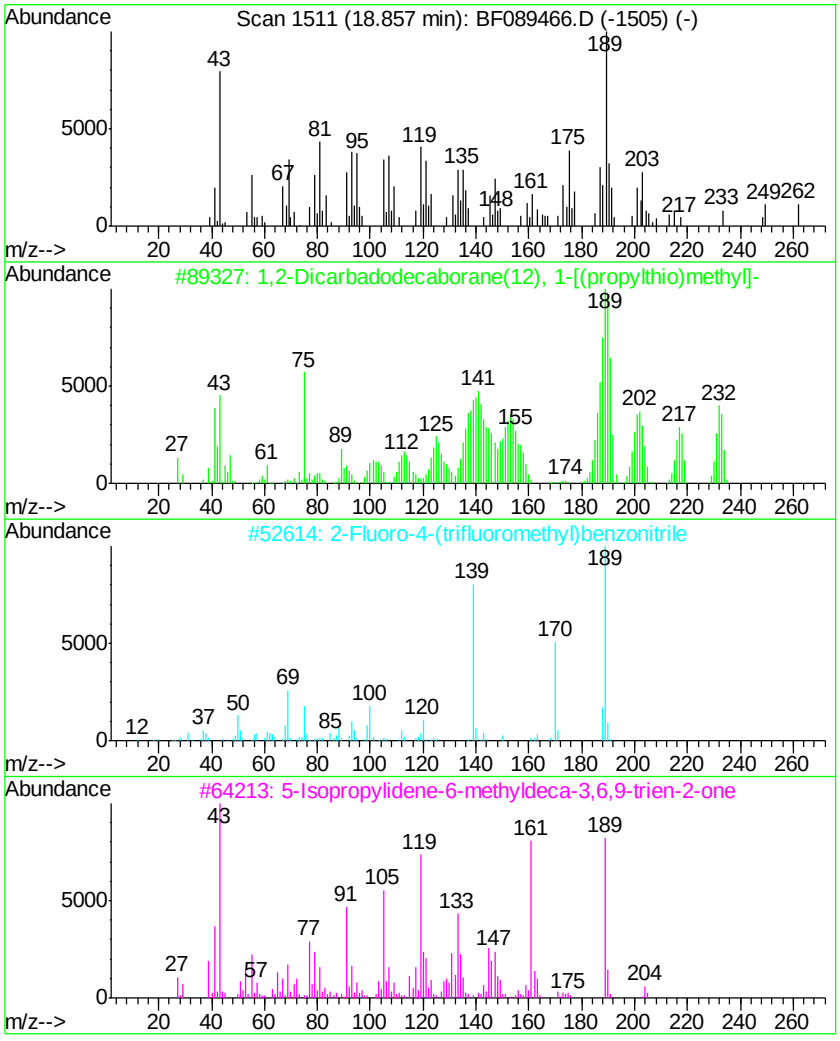
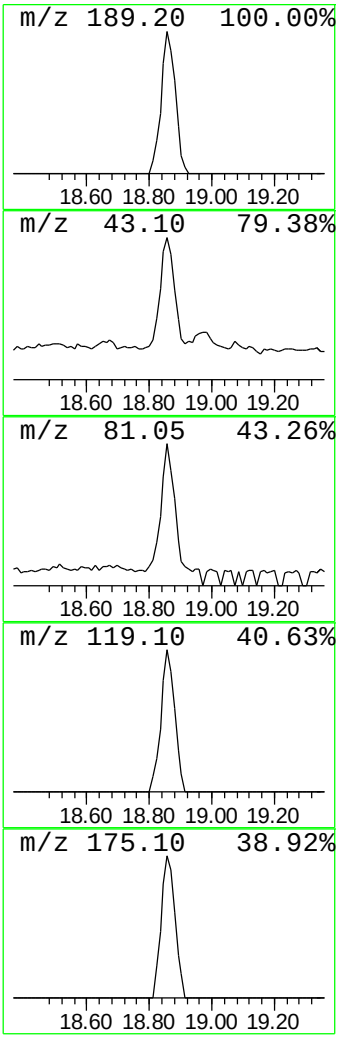
Peak Number 20 unknown18.86 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.86 | 32.17 ng | 312269 | Perylene-d12 | 14.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Dicarbadodecaborane(12), 1-[... | 234 | C6H20B10S | 062906-36-9 | 30 |
| 2 | 2-Fluoro-4-(trifluoromethyl)benz... | 189 | C8H3F4N | 146070-34-0 | 27 |
| 3 | 5-Isopropylidene-6-methyldeca-3,... | 204 | C14H20O | 1000197-84-7 | 27 |
| 4 | 3-Fluoro-5-(trifluoromethyl)benz... | 189 | C8H3F4N | 149793-69-1 | 27 |
| 5 | 1H-[1,4]Oxazino[4,3-a][1,3]benzi... | 189 | C10H11N3O | 1000362-54-6 | 22 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073116\
Data File : BF089466.D
Acq On : 31 Jul 2016 12:52
Operator : UM/SJ
Sample : H4284-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AB-SLOPE(0-4)I

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown6.26 | 6.26 | 69.1 | ng | 1399170 | 1 | 6.49 | 404969 | 20.0 |
| Dodecanoic acid | 9.78 | 39.9 | ng | 881519 | 3 | 9.52 | 441587 | 20.0 |
| 9,17-Octadecadien... | 12.25 | 50.3 | ng | 1236720 | 4 | 10.99 | 491579 | 20.0 |
| Octadecanoic acid | 12.37 | 297.7 | ng | 5906570 | 5 | 13.62 | 396839 | 20.0 |
| Heptadecane | 13.15 | 32.1 | ng | 636734 | 5 | 13.62 | 396839 | 20.0 |
| Benzamide, N-propyl- | 13.43 | 93.5 | ng | 1854520 | 5 | 13.62 | 396839 | 20.0 |
| Diethylene glycol... | 13.52 | 517.0 | ng | 10258000 | 5 | 13.62 | 396839 | 20.0 |
| 1H-Isoindole-1,3(... | 13.55 | 21.2 | ng | 420874 | 5 | 13.62 | 396839 | 20.0 |
| Heneicosane | 13.81 | 33.8 | ng | 671526 | 5 | 13.62 | 396839 | 20.0 |
| 1,3-Benzenedicarb... | 14.26 | 98.0 | ng | 1943490 | 5 | 13.62 | 396839 | 20.0 |
| Hexacosane | 14.99 | 32.1 | ng | 311371 | 6 | 14.94 | 194164 | 20.0 |
| 2-methyloctacosane | 15.73 | 22.7 | ng | 220546 | 6 | 14.94 | 194164 | 20.0 |
| unknown16.54 | 16.54 | 38.2 | ng | 370798 | 6 | 14.94 | 194164 | 20.0 |
| unknown18.86 | 18.86 | 32.2 | ng | 312269 | 6 | 14.94 | 194164 | 20.0 |