LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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 | 4.460 | 424 | 429 | 434 | rBV | 375149 | 451190 | 7.88% | 0.828% |
| 2 | 4.772 | 475 | 482 | 490 | rBV2 | 63792 | 92651 | 1.62% | 0.170% |
| 3 | 5.207 | 551 | 556 | 559 | rBV | 2397933 | 2396584 | 41.87% | 4.396% |
| 4 | 6.236 | 727 | 731 | 736 | rBV2 | 2053069 | 1847638 | 32.28% | 3.389% |
| 5 | 6.278 | 736 | 738 | 742 | rVB | 279876 | 241029 | 4.21% | 0.442% |
| 6 | 6.378 | 750 | 755 | 758 | rBV | 3813280 | 3774760 | 65.94% | 6.923% |
| 7 | 6.607 | 791 | 794 | 798 | rBV | 1833728 | 1571554 | 27.45% | 2.882% |
| 8 | 6.766 | 817 | 821 | 824 | rVB | 4413443 | 3853003 | 67.31% | 7.067% |
| 9 | 7.172 | 884 | 890 | 893 | rBV | 2990627 | 3088891 | 53.96% | 5.665% |
| 10 | 7.413 | 924 | 931 | 934 | rBV | 208254 | 198178 | 3.46% | 0.363% |
| 11 | 7.807 | 991 | 998 | 1002 | rBV | 63499 | 63798 | 1.11% | 0.117% |
| 12 | 7.889 | 1008 | 1012 | 1015 | rBV | 2518376 | 2044844 | 35.72% | 3.751% |
| 13 | 8.460 | 1105 | 1109 | 1112 | rBV | 109717 | 100616 | 1.76% | 0.185% |
| 14 | 8.966 | 1190 | 1195 | 1198 | rBV | 5936133 | 5724169 | 100.00% | 10.499% |
| 15 | 9.360 | 1258 | 1262 | 1268 | rVB | 812365 | 674540 | 11.78% | 1.237% |
| 16 | 9.466 | 1276 | 1280 | 1282 | rBV | 52727 | 57520 | 1.00% | 0.105% |
| 17 | 9.507 | 1285 | 1287 | 1290 | rVV | 205567 | 169208 | 2.96% | 0.310% |
| 18 | 9.542 | 1290 | 1293 | 1299 | rVB | 53132 | 70032 | 1.22% | 0.128% |
| 19 | 9.636 | 1304 | 1309 | 1311 | rBV | 2570595 | 2402302 | 41.97% | 4.406% |
| 20 | 9.654 | 1311 | 1312 | 1317 | rVB2 | 743787 | 727170 | 12.70% | 1.334% |
| 21 | 10.060 | 1377 | 1381 | 1383 | rBV | 91468 | 80351 | 1.40% | 0.147% |
| 22 | 10.177 | 1397 | 1401 | 1405 | rVB2 | 76882 | 91494 | 1.60% | 0.168% |
| 23 | 10.413 | 1435 | 1441 | 1444 | rBV | 3163152 | 2776066 | 48.50% | 5.092% |
| 24 | 10.795 | 1503 | 1506 | 1509 | rBV2 | 62020 | 58557 | 1.02% | 0.107% |
| 25 | 11.107 | 1555 | 1559 | 1562 | rBV | 2817440 | 2411971 | 42.14% | 4.424% |
| 26 | 11.260 | 1582 | 1585 | 1588 | rBV | 103834 | 77272 | 1.35% | 0.142% |
| 27 | 11.666 | 1648 | 1654 | 1670 | rBV2 | 2039654 | 2417728 | 42.24% | 4.434% |
| 28 | 11.854 | 1684 | 1686 | 1691 | rVB | 66953 | 60698 | 1.06% | 0.111% |
| 29 | 12.060 | 1718 | 1721 | 1724 | rBV3 | 49018 | 57270 | 1.00% | 0.105% |
| 30 | 12.360 | 1767 | 1772 | 1779 | rBV4 | 145045 | 305836 | 5.34% | 0.561% |
| 31 | 12.454 | 1781 | 1788 | 1799 | rBV | 3631462 | 4640265 | 81.06% | 8.511% |
| 32 | 12.689 | 1824 | 1828 | 1832 | rBV | 5052133 | 4965033 | 86.74% | 9.107% |
| 33 | 13.154 | 1904 | 1907 | 1913 | rBV5 | 73073 | 131900 | 2.30% | 0.242% |
| 34 | 13.607 | 1980 | 1984 | 1994 | rBV2 | 554689 | 819153 | 14.31% | 1.502% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.718 | 2000 | 2003 | 2011 | rBV | 1708546 | 1779731 | 31.09% | 3.264% |
| 36 | 13.930 | 2037 | 2039 | 2042 | rBV | 211716 | 188353 | 3.29% | 0.345% |
| 37 | 14.030 | 2054 | 2056 | 2061 | rBV | 83055 | 117687 | 2.06% | 0.216% |
| 38 | 14.236 | 2088 | 2091 | 2100 | rBV | 367775 | 463114 | 8.09% | 0.849% |
| 39 | 14.530 | 2138 | 2141 | 2145 | rBV | 573643 | 545619 | 9.53% | 1.001% |
| 40 | 14.830 | 2189 | 2192 | 2196 | rBV | 632107 | 671446 | 11.73% | 1.232% |
| 41 | 15.083 | 2231 | 2235 | 2241 | rVB | 1408357 | 1593007 | 27.83% | 2.922% |
| 42 | 15.171 | 2246 | 2250 | 2255 | rVB | 532466 | 719136 | 12.56% | 1.319% |

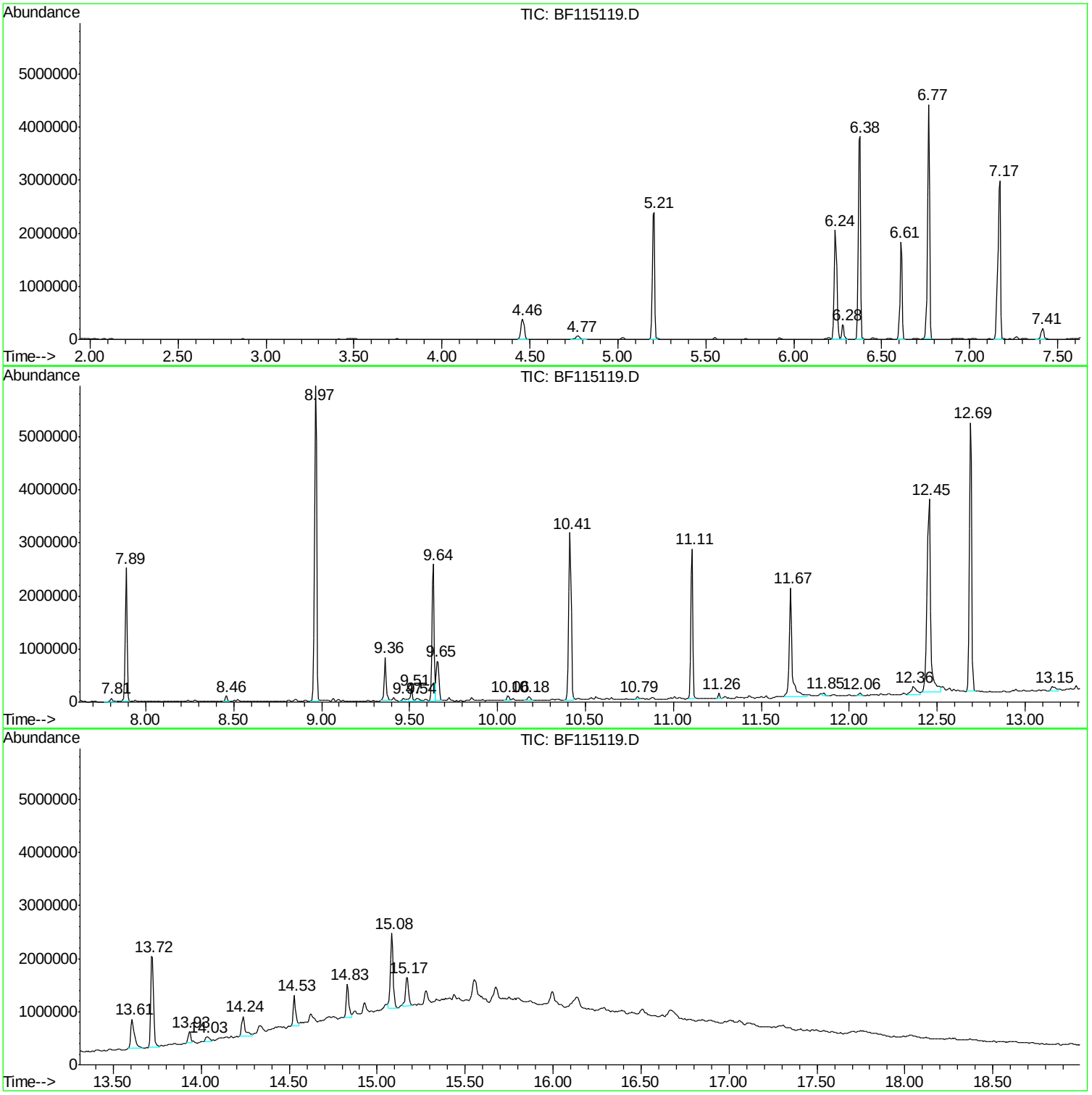
Sum of corrected areas: 54521364

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

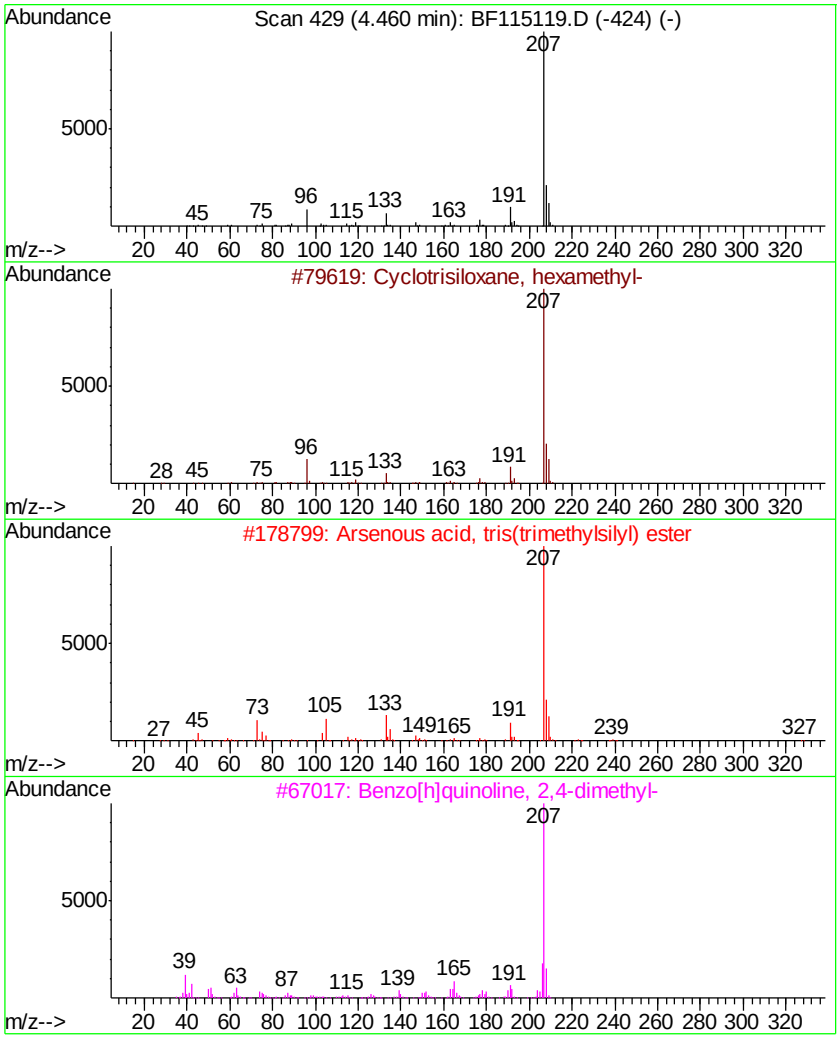
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

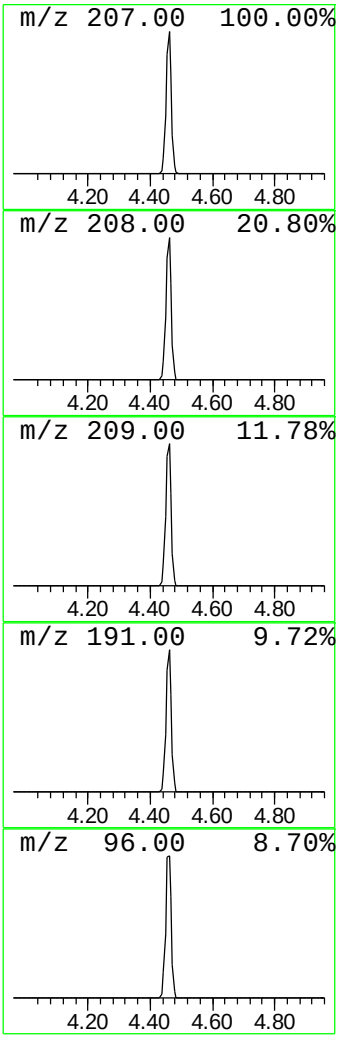
**********

Peak Number 1 Cyclotrisiloxane, hexamethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.46 | 5.74 ng | 451190 | 1,4-Dichlorobenzene-d4 | 6.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 91 |
| 2 | Arsenous acid, tris(trimethylsil... | 342 | C9H27AsO3Si3 | 055429-29-3 | 78 |
| 3 | Benzo[h]quinoline, 2,4-dimethyl- | 207 | C15H13N | 000605-67-4 | 39 |
| 4 | 1H-Indole, 1-methyl-2-phenyl- | 207 | C15H13N | 003558-24-5 | 39 |
| 5 | 2-p-Nitrophenyl-oxadiazol-1,3,4-... | 207 | C8H5N3O4 | 1000147-64-6 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

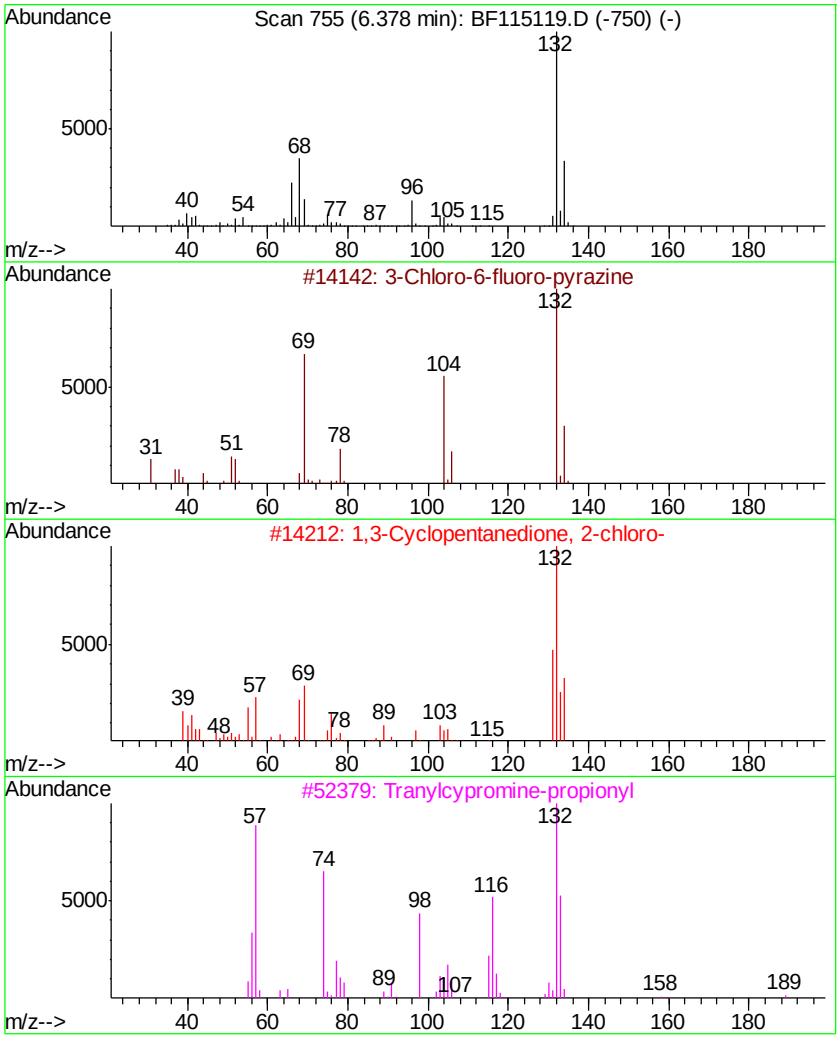
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

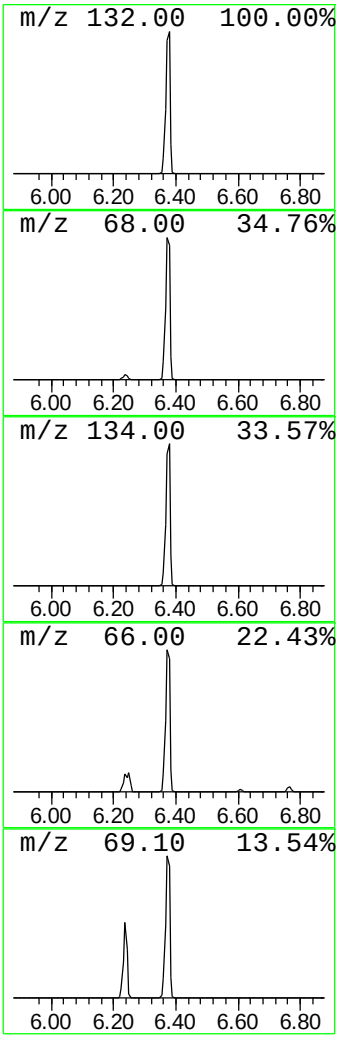
**********

Peak Number 2 unknown48.04 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.38 | 48.04 ng | 3774760 | 1,4-Dichlorobenzene-d4 | 6.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2 | 014203-19-1 | 23 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 16 |
| 4 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

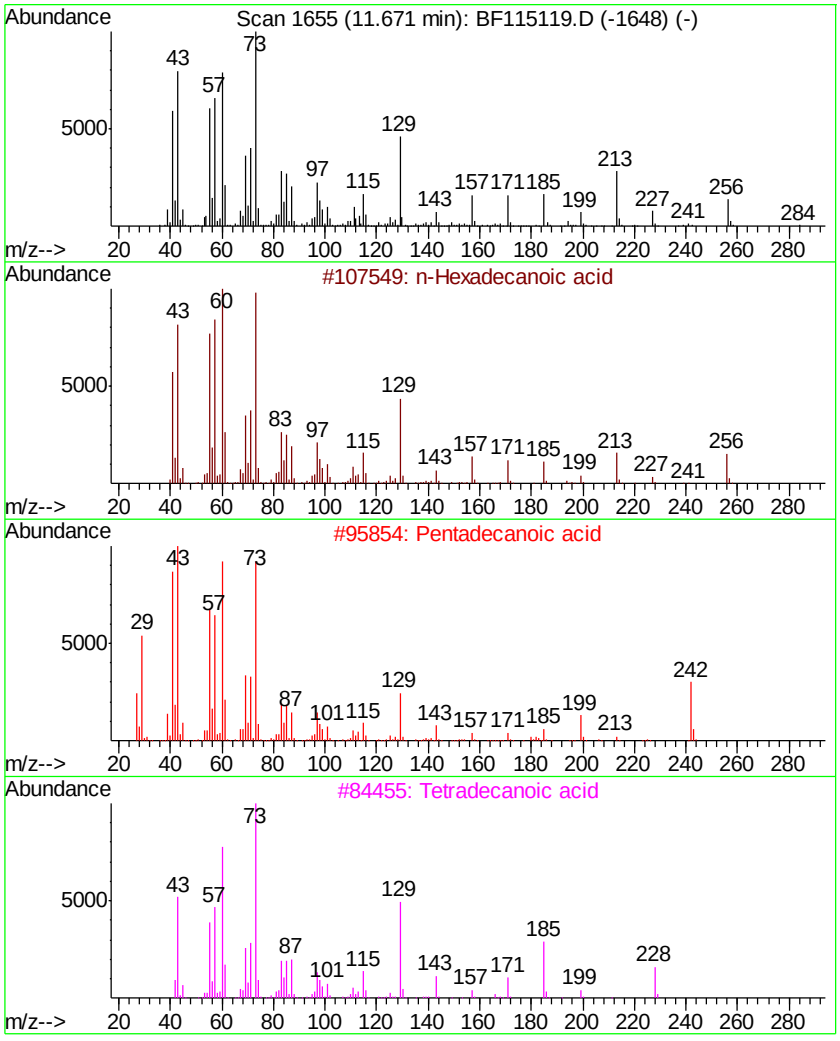
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

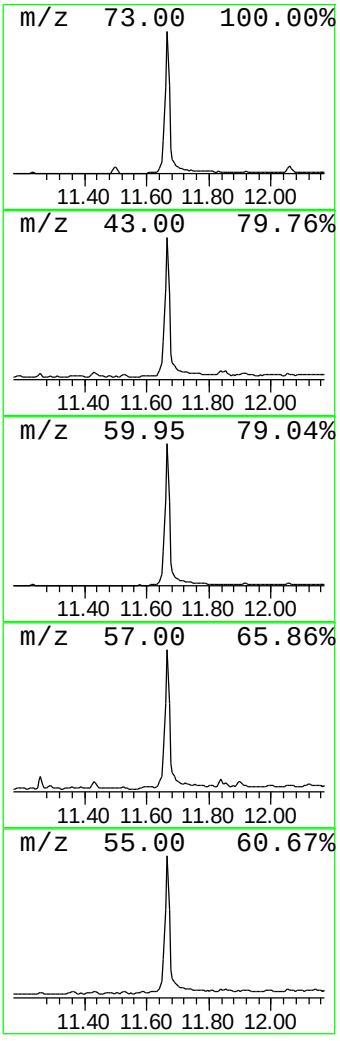
**********

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.67 | 20.05 ng | 2417730 | Phenanthrene-d10 | 11.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 93 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 91 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 62 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

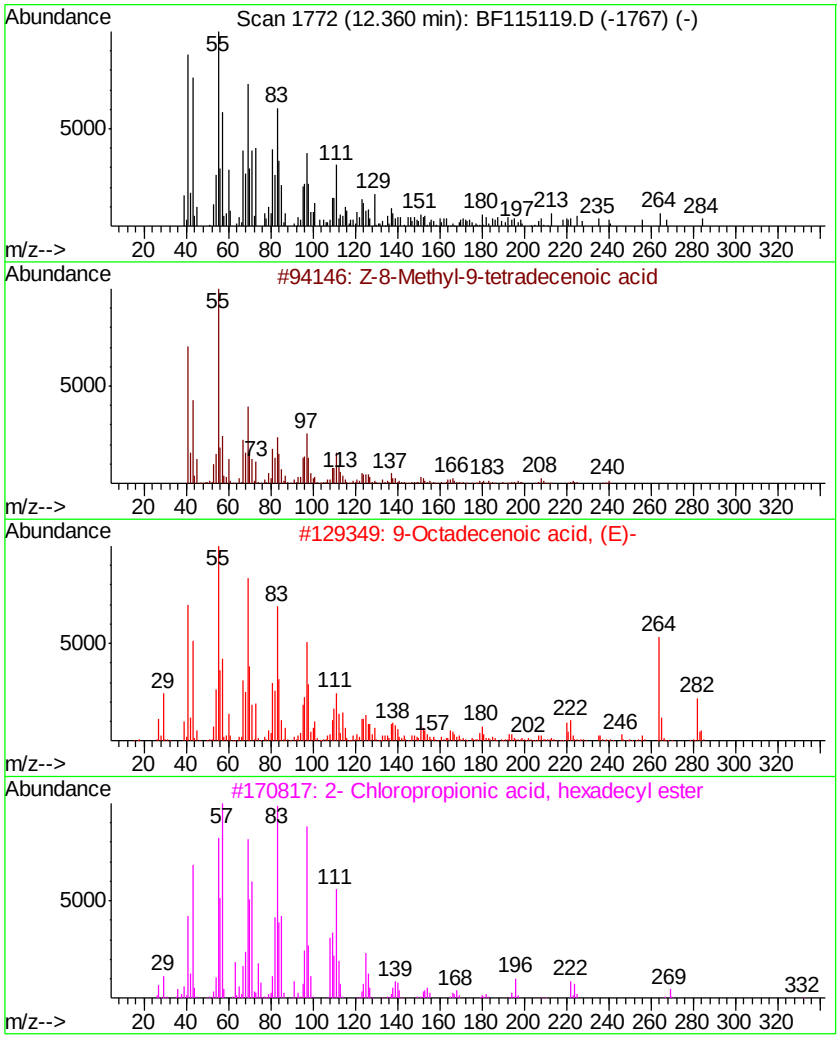
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

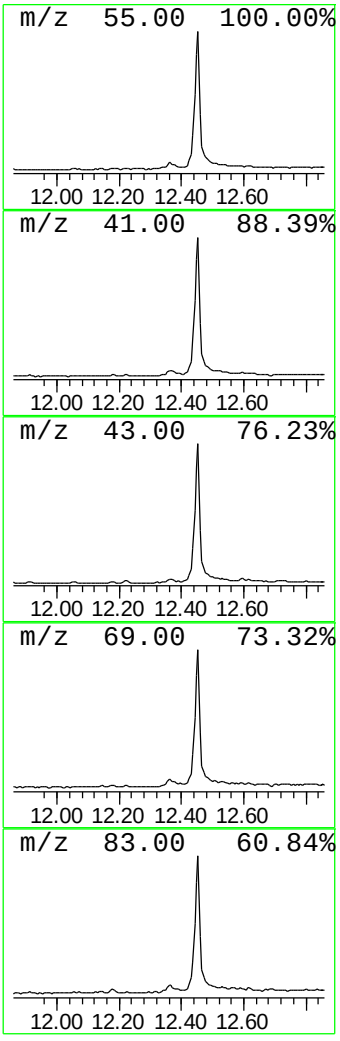
**********

Peak Number 5 Z-8-Methyl-9-tetradecenoic ... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.36 | 2.54 ng | 305836 | Phenanthrene-d10 | 11.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Z-8-Methyl-9-tetradecenoic acid | 240 | C15H28O2 | 1000130-84-5 | 66 |
| 2 | 9-Octadecenoic acid, (E)- | 282 | C18H34O2 | 000112-79-8 | 62 |
| 3 | 2- Chloropropionic acid, hexadec... | 332 | C19H37ClO2 | 086711-81-1 | 53 |
| 4 | Oxirane, tetradecyl- | 240 | C16H32O | 007320-37-8 | 50 |
| 5 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 49 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

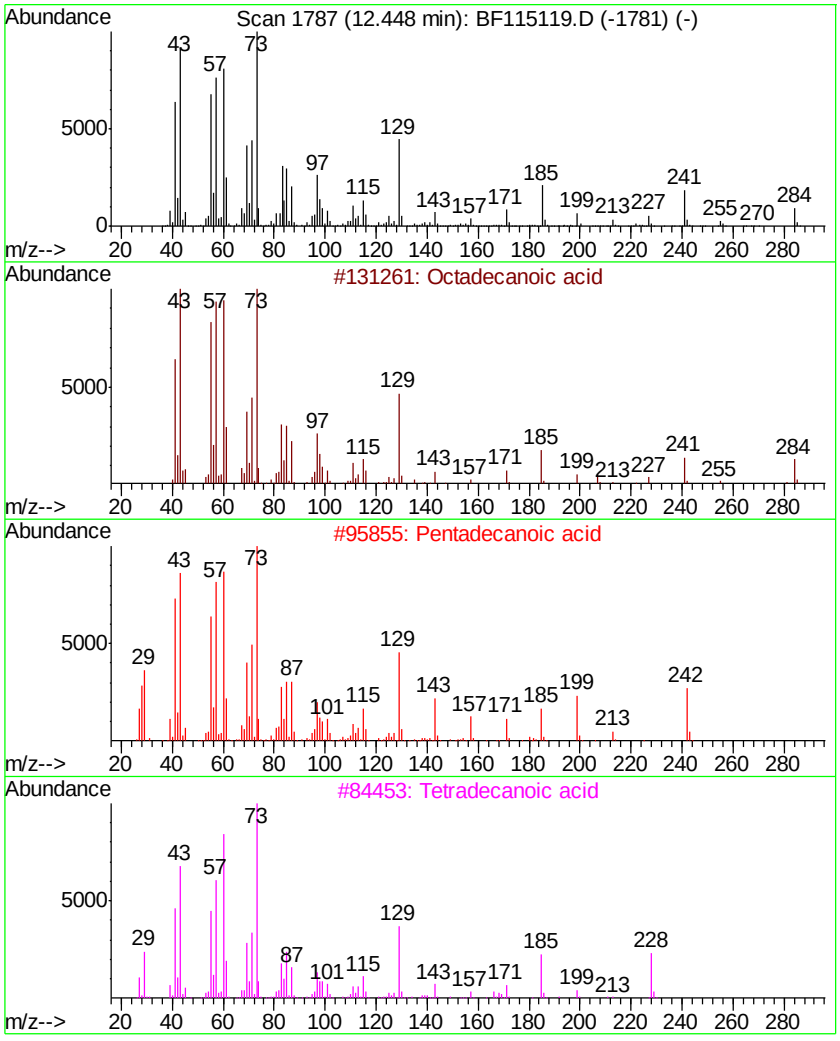
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

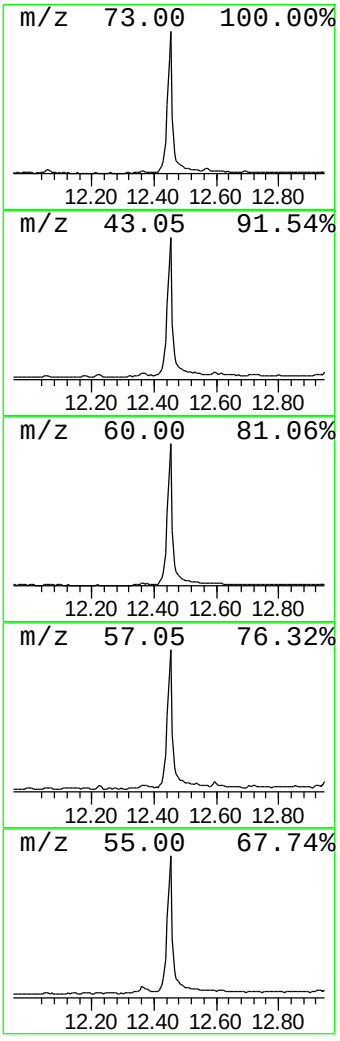
**********

Peak Number 6 Octadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.45 | 52.15 ng | 4640270 | Chrysene-d12 | 13.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 87 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 62 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

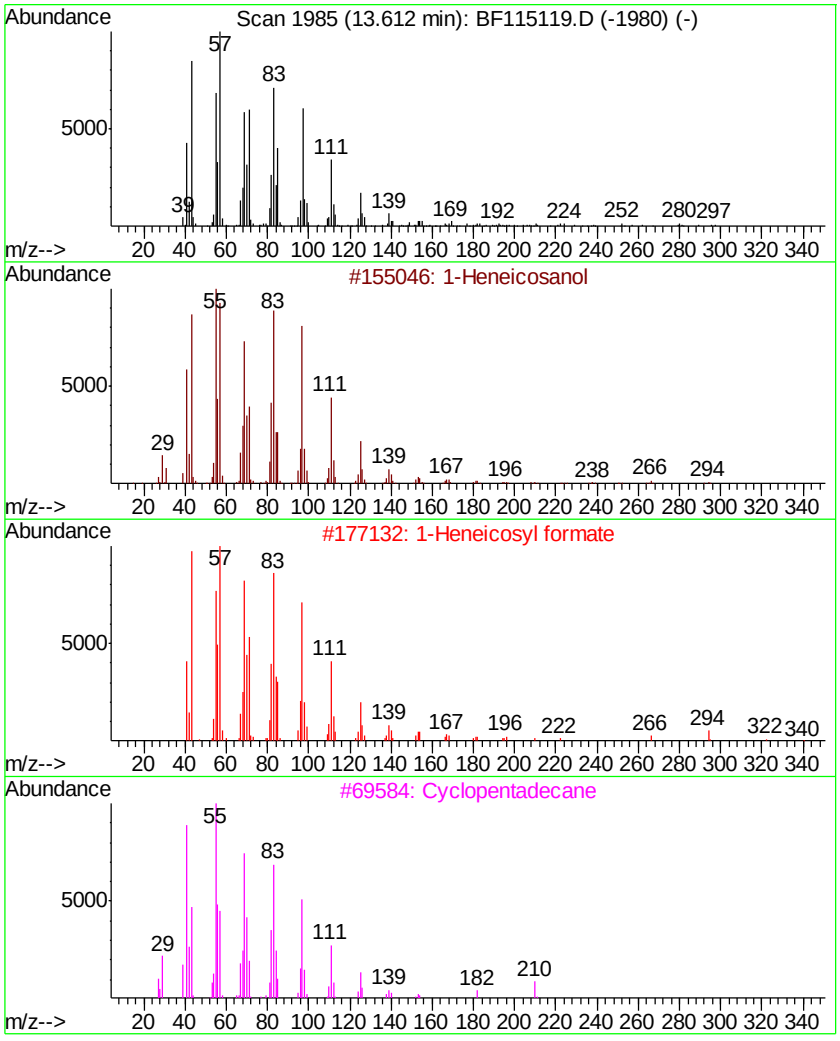
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

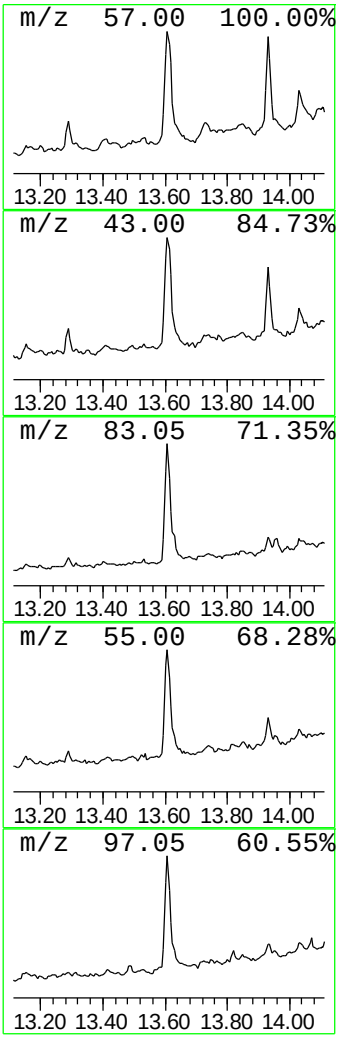
**********

Peak Number 7 1-Heneicosanol Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.61 | 9.21 ng | 819153 | Chrysene-d12 | 13.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 2 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 95 |
| 3 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 94 |
| 4 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 5 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 94 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

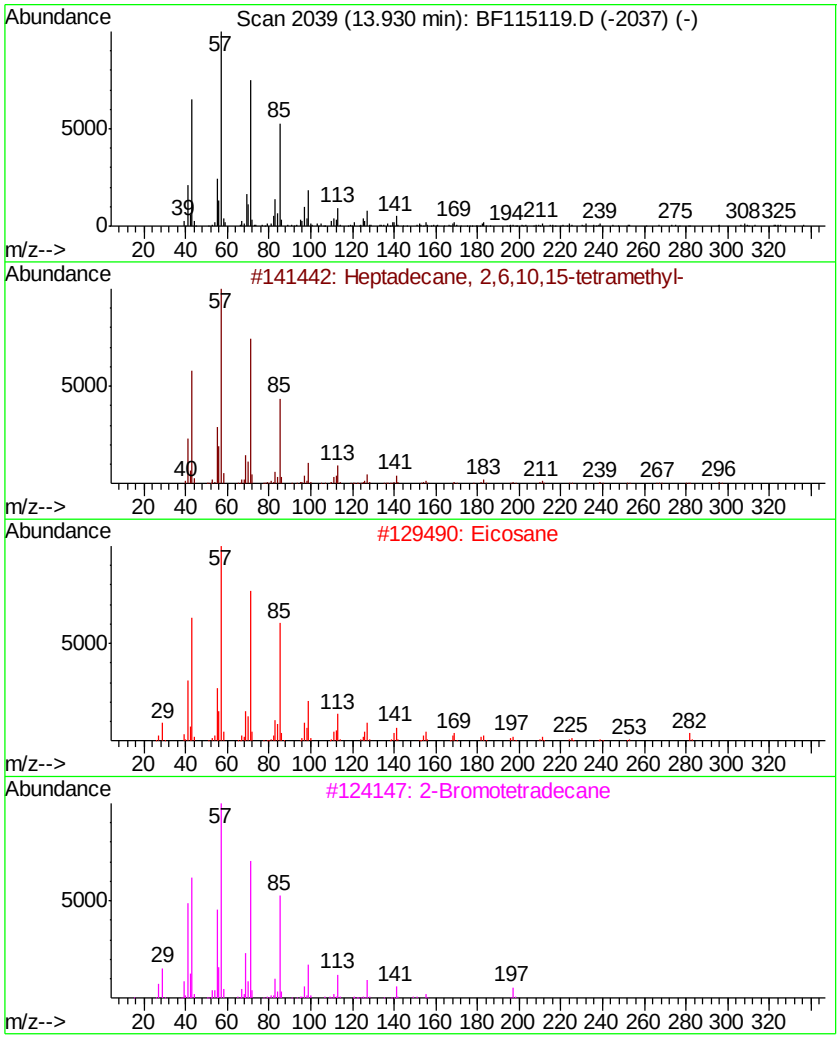
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

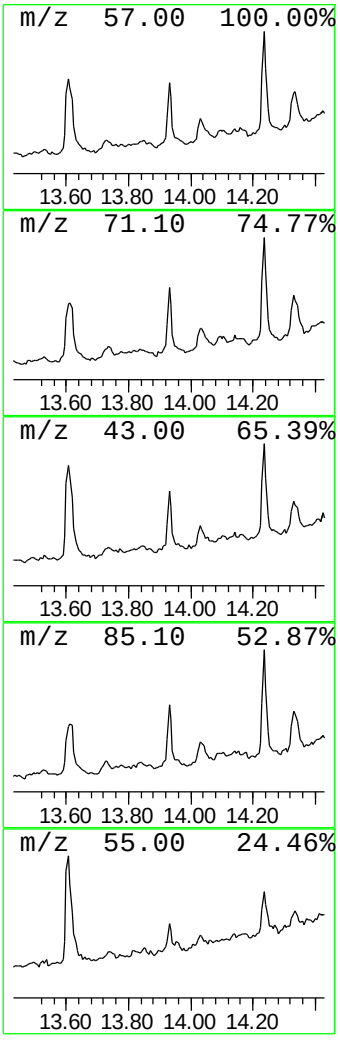
**********

Peak Number 8 Heptadecane, 2,6,10,15-tetr... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.93 | 2.12 ng | 188353 | Chrysene-d12 | 13.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 93 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 3 | 2-Bromotetradecane | 276 | C14H29Br | 074036-95-6 | 91 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

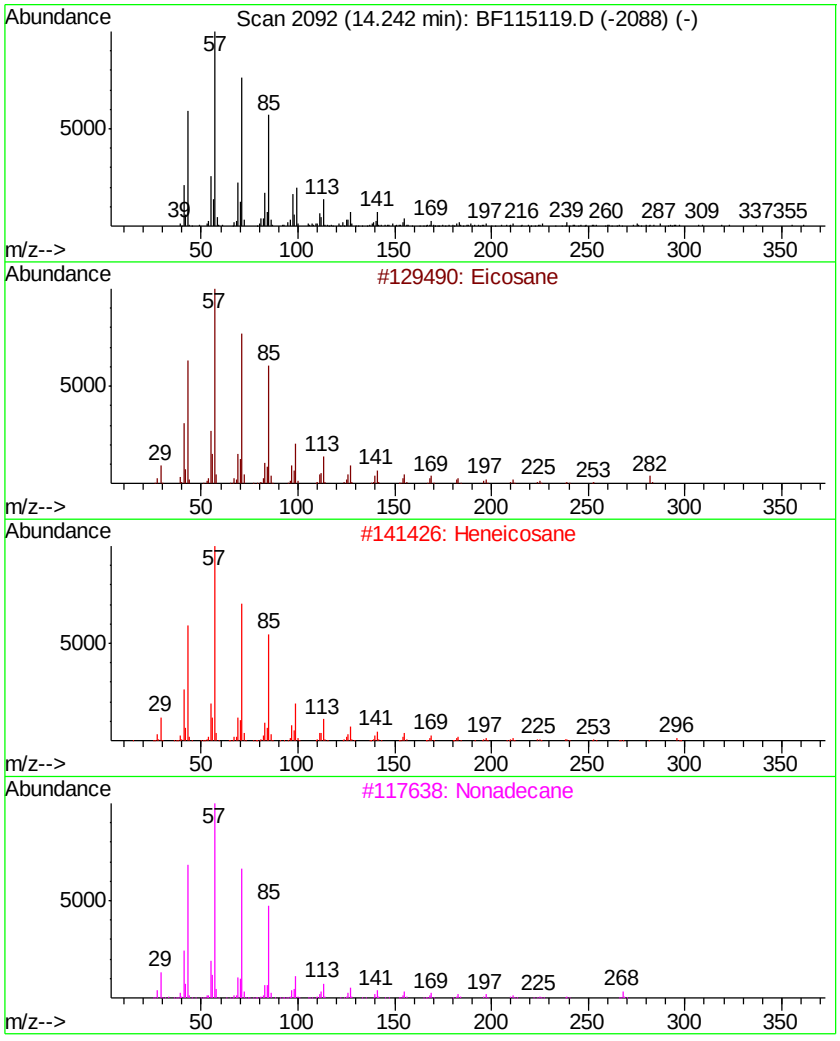
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

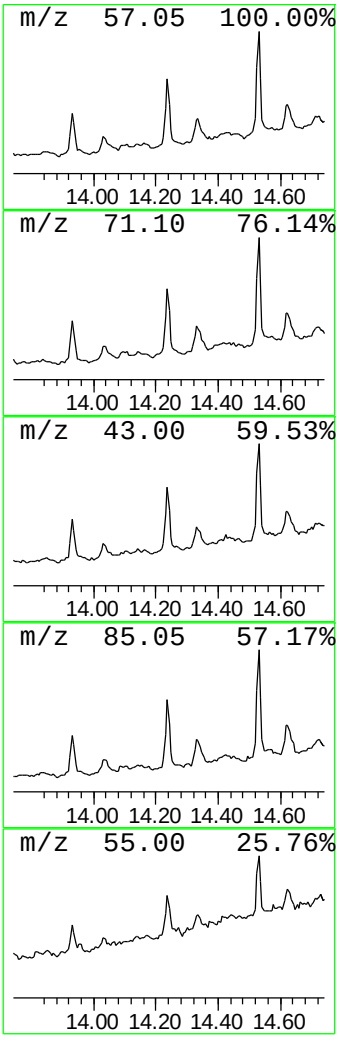
**********

Peak Number 9 Eicosane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.24 | 5.20 ng | 463114 | Chrysene-d12 | 13.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 94 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 90 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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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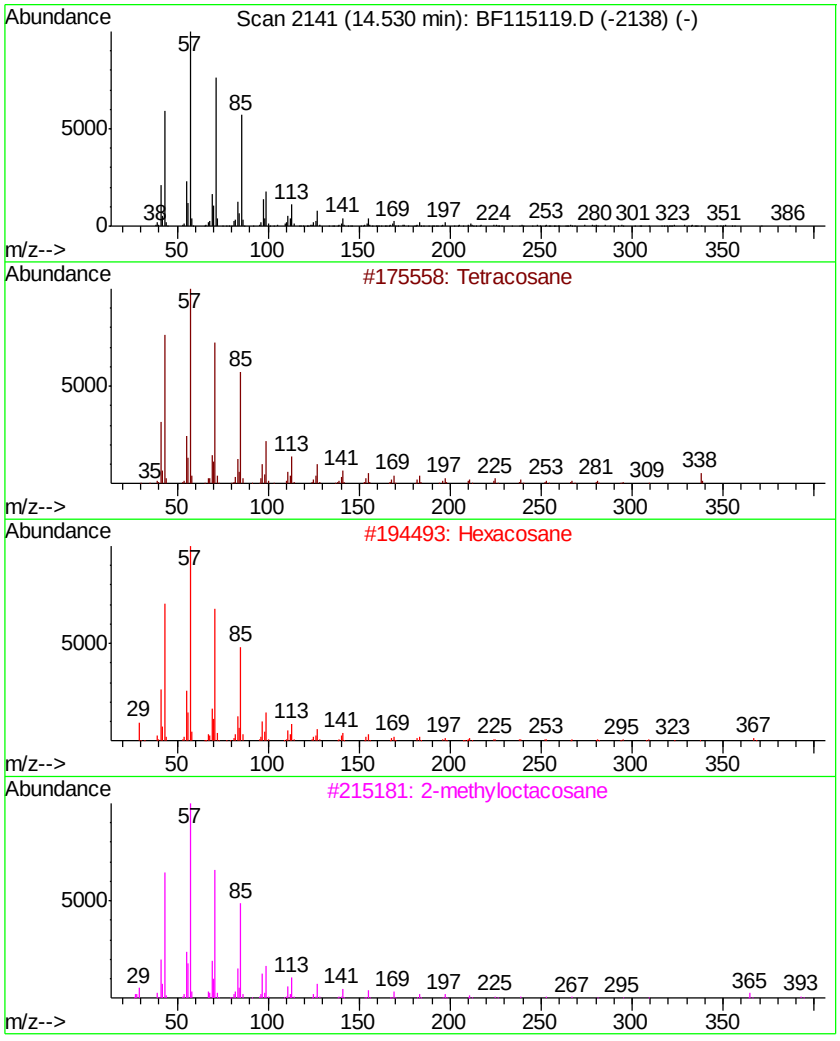
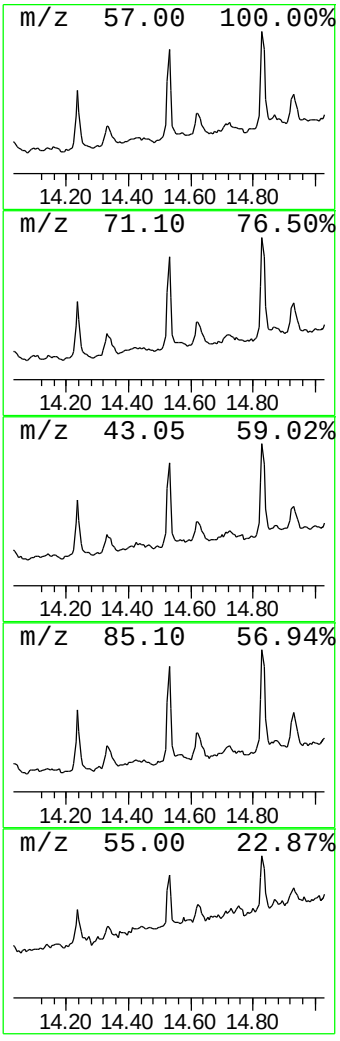
Peak Number 10 Tetracosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.53 | 6.85 ng | 545619 | Perylene-d12 | 15.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 96 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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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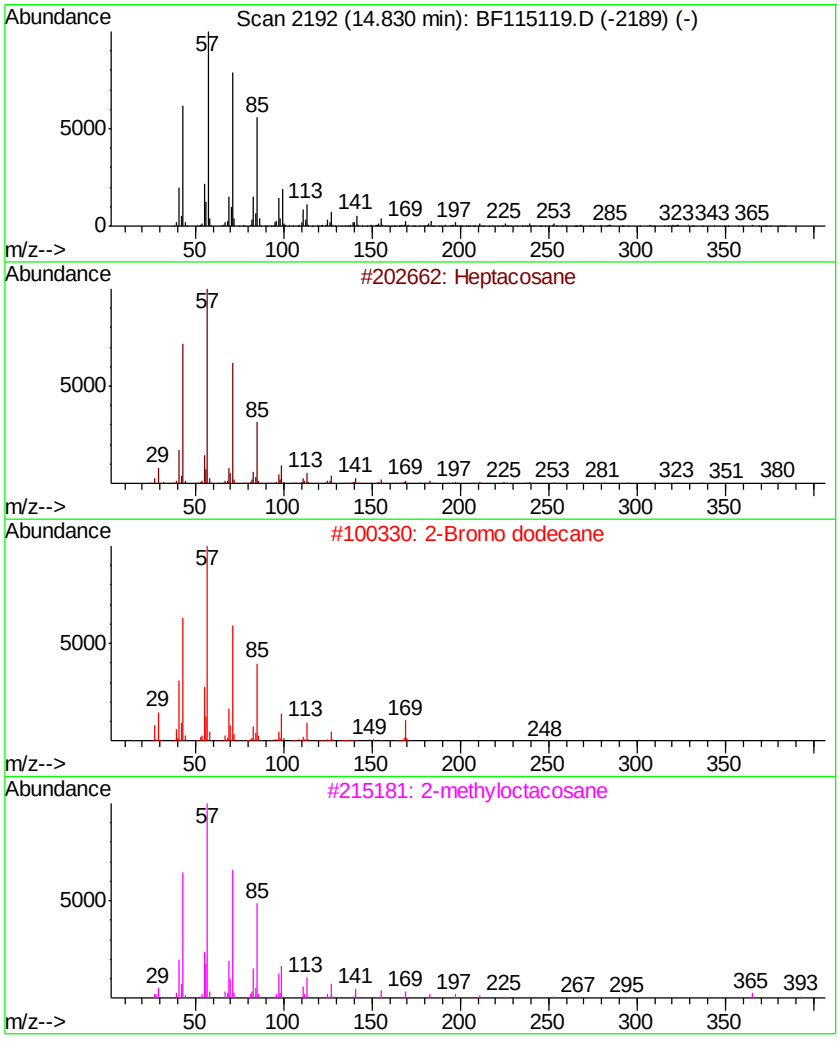
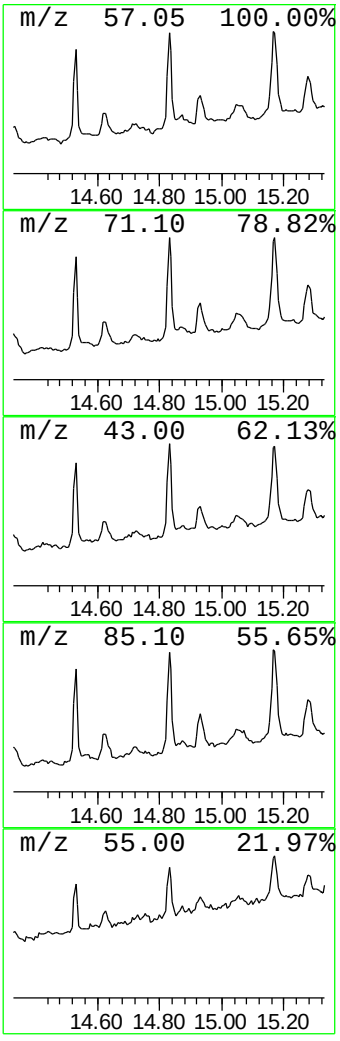
Peak Number 11 Heptacosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.83 | 8.43 ng | 671446 | Perylene-d12 | 15.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 93 |
| 2 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 93 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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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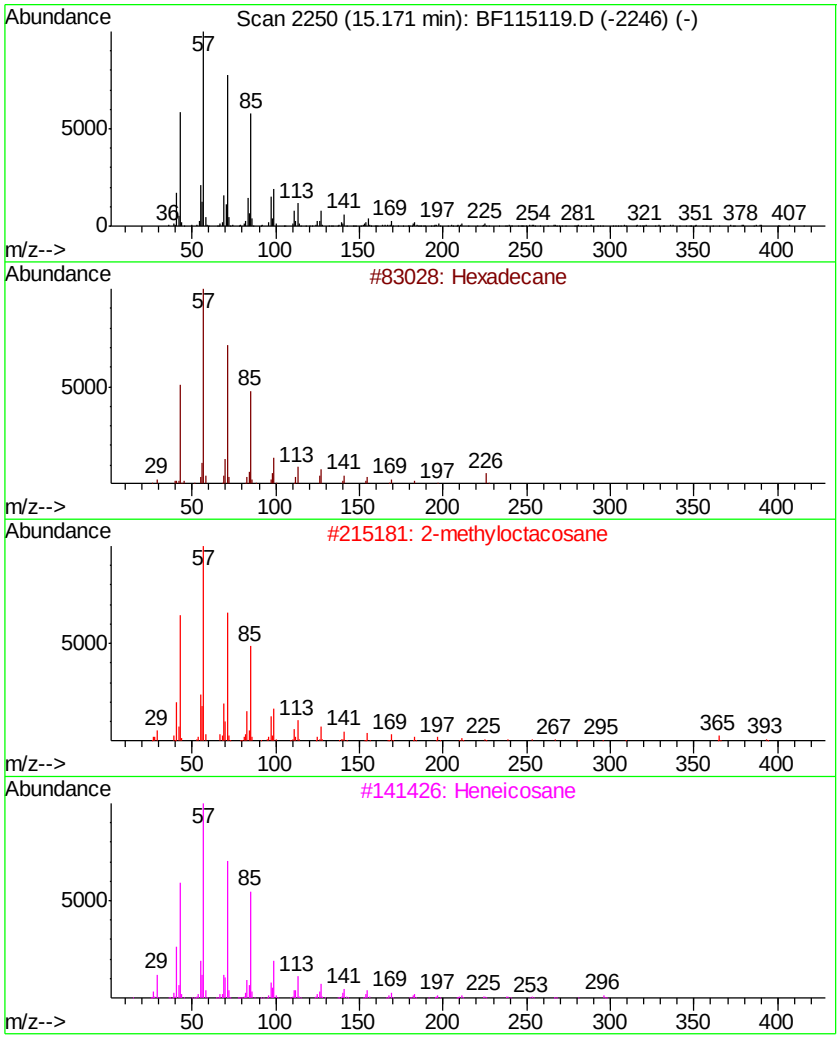
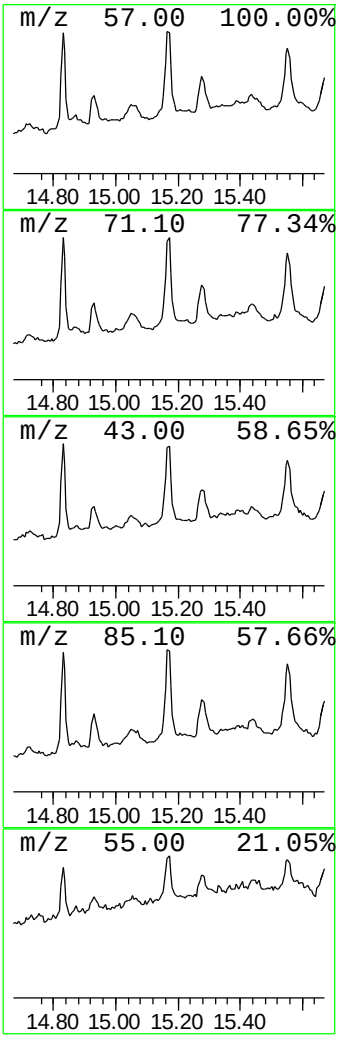
Peak Number 12 Hexadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.17 | 9.03 ng | 719136 | Perylene-d12 | 15.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 5 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 90 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062219\
Data File : BF115119.D
Acq On : 22 Jun 2019 14:37
Operator : HP/JU
Sample : K3441-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GWMH-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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 |
| Cyclotrisiloxane,... | 4.46 | 5.7 | ng | 451190 | 1 | 6.61 | 1571550 | 20.0 |
| unknown48.04 | 6.38 | 48.0 | ng | 3774760 | 1 | 6.61 | 1571550 | 20.0 |
| n-Hexadecanoic acid | 11.67 | 20.1 | ng | 2417730 | 4 | 11.11 | 2411970 | 20.0 |
| Z-8-Methyl-9-tetr... | 12.36 | 2.5 | ng | 305836 | 4 | 11.11 | 2411970 | 20.0 |
| Octadecanoic acid | 12.45 | 52.1 | ng | 4640270 | 5 | 13.72 | 1779730 | 20.0 |
| 1-Heneicosanol | 13.61 | 9.2 | ng | 819153 | 5 | 13.72 | 1779730 | 20.0 |
| Heptadecane, 2,6,... | 13.93 | 2.1 | ng | 188353 | 5 | 13.72 | 1779730 | 20.0 |
| Eicosane | 14.24 | 5.2 | ng | 463114 | 5 | 13.72 | 1779730 | 20.0 |
| Tetracosane | 14.53 | 6.8 | ng | 545619 | 6 | 15.08 | 1593010 | 20.0 |
| Heptacosane | 14.83 | 8.4 | ng | 671446 | 6 | 15.08 | 1593010 | 20.0 |
| Hexadecane | 15.17 | 9.0 | ng | 719136 | 6 | 15.08 | 1593010 | 20.0 |