LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

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-BF070519.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 | 2.216 | 16 | 22 | 34 | rVB | 1369786 | 1897568 | 44.82% | 4.066% |
| 2 | 5.516 | 578 | 583 | 586 | rBV | 3050552 | 3067733 | 72.46% | 6.573% |
| 3 | 6.522 | 748 | 754 | 757 | rBV | 2964863 | 3236057 | 76.43% | 6.934% |
| 4 | 6.663 | 773 | 778 | 781 | rBV | 3430822 | 3340329 | 78.90% | 7.157% |
| 5 | 6.893 | 814 | 817 | 821 | rVB | 1196519 | 974987 | 23.03% | 2.089% |
| 6 | 7.051 | 840 | 844 | 847 | rBV | 3029573 | 2610473 | 61.66% | 5.593% |
| 7 | 7.451 | 907 | 912 | 915 | rBV | 2292312 | 2110179 | 49.84% | 4.521% |
| 8 | 8.175 | 1031 | 1035 | 1038 | rBV | 1580180 | 1258359 | 29.72% | 2.696% |
| 9 | 9.251 | 1213 | 1218 | 1221 | rBV | 4301213 | 3768538 | 89.01% | 8.074% |
| 10 | 9.639 | 1280 | 1284 | 1295 | rBV | 1196582 | 935217 | 22.09% | 2.004% |
| 11 | 9.928 | 1329 | 1333 | 1337 | rBV | 1709501 | 1501878 | 35.47% | 3.218% |
| 12 | 10.716 | 1462 | 1467 | 1470 | rBV | 2534675 | 2415808 | 57.06% | 5.176% |
| 13 | 11.410 | 1581 | 1585 | 1588 | rBV | 1805188 | 1663666 | 39.30% | 3.565% |
| 14 | 11.945 | 1666 | 1676 | 1687 | rBV | 381911 | 519174 | 12.26% | 1.112% |
| 15 | 12.233 | 1723 | 1725 | 1731 | rVB | 61187 | 60115 | 1.42% | 0.129% |
| 16 | 12.563 | 1779 | 1781 | 1787 | rVB2 | 56114 | 57188 | 1.35% | 0.123% |
| 17 | 12.645 | 1792 | 1795 | 1799 | rBV | 818221 | 779621 | 18.41% | 1.670% |
| 18 | 12.763 | 1809 | 1815 | 1827 | rBV | 787037 | 1052275 | 24.85% | 2.255% |
| 19 | 12.892 | 1830 | 1837 | 1840 | rVV2 | 687408 | 845216 | 19.96% | 1.811% |
| 20 | 12.945 | 1843 | 1846 | 1851 | rVB2 | 42356 | 56104 | 1.33% | 0.120% |
| 21 | 13.016 | 1854 | 1858 | 1859 | rBV | 51678 | 46883 | 1.11% | 0.100% |
| 22 | 13.051 | 1859 | 1864 | 1867 | rVV | 4255518 | 4233784 | 100.00% | 9.071% |
| 23 | 13.127 | 1871 | 1877 | 1880 | rBV3 | 56847 | 88642 | 2.09% | 0.190% |
| 24 | 13.216 | 1889 | 1892 | 1894 | rBV2 | 51971 | 61738 | 1.46% | 0.132% |
| 25 | 13.239 | 1894 | 1896 | 1900 | rVB2 | 68490 | 74839 | 1.77% | 0.160% |
| 26 | 13.316 | 1904 | 1909 | 1912 | rBV2 | 78936 | 92335 | 2.18% | 0.198% |
| 27 | 13.357 | 1912 | 1916 | 1919 | rBV | 94951 | 100652 | 2.38% | 0.216% |
| 28 | 13.804 | 1988 | 1992 | 1999 | rVB | 107615 | 131596 | 3.11% | 0.282% |
| 29 | 13.933 | 2009 | 2014 | 2018 | rBV2 | 69971 | 108275 | 2.56% | 0.232% |
| 30 | 13.969 | 2018 | 2020 | 2022 | rVV | 58411 | 54639 | 1.29% | 0.117% |
| 31 | 13.998 | 2022 | 2025 | 2029 | rVV2 | 51366 | 69659 | 1.65% | 0.149% |
| 32 | 14.045 | 2029 | 2033 | 2036 | rVB2 | 71390 | 74366 | 1.76% | 0.159% |
| 33 | 14.086 | 2036 | 2040 | 2055 | rVB4 | 219694 | 570970 | 13.49% | 1.223% |
| 34 | 14.233 | 2059 | 2065 | 2068 | rBV | 1461979 | 1637757 | 38.68% | 3.509% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

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-BF070519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.257 | 2068 | 2069 | 2072 | rVB | 284625 | 219968 | 5.20% | 0.471% |
| 36 | 14.463 | 2100 | 2104 | 2108 | rBV | 163502 | 174190 | 4.11% | 0.373% |
| 37 | 14.704 | 2139 | 2145 | 2148 | rVB | 30038 | 46947 | 1.11% | 0.101% |
| 38 | 14.745 | 2148 | 2152 | 2155 | rBV2 | 60943 | 71908 | 1.70% | 0.154% |
| 39 | 14.845 | 2165 | 2169 | 2173 | rBV | 358312 | 399512 | 9.44% | 0.856% |
| 40 | 14.886 | 2173 | 2176 | 2184 | rVB7 | 38491 | 79008 | 1.87% | 0.169% |
| 41 | 15.227 | 2229 | 2234 | 2239 | rBV | 589306 | 678765 | 16.03% | 1.454% |
| 42 | 15.316 | 2246 | 2249 | 2254 | rVB | 39522 | 48672 | 1.15% | 0.104% |
| 43 | 15.468 | 2270 | 2275 | 2278 | rBV | 166871 | 259389 | 6.13% | 0.556% |
| 44 | 15.616 | 2294 | 2300 | 2307 | rBV | 793366 | 967198 | 22.84% | 2.072% |
| 45 | 15.786 | 2325 | 2329 | 2336 | rVB | 77542 | 94804 | 2.24% | 0.203% |
| 46 | 15.851 | 2336 | 2340 | 2344 | rBV2 | 47868 | 75848 | 1.79% | 0.163% |
| 47 | 15.921 | 2347 | 2352 | 2360 | rVB | 885428 | 1101627 | 26.02% | 2.360% |
| 48 | 16.021 | 2363 | 2369 | 2377 | rBV | 806811 | 1090431 | 25.76% | 2.336% |
| 49 | 16.486 | 2441 | 2448 | 2460 | rBV | 635860 | 1050844 | 24.82% | 2.252% |
| 50 | 17.021 | 2532 | 2539 | 2557 | rVB | 303269 | 603547 | 14.26% | 1.293% |
| 51 | 17.639 | 2638 | 2644 | 2655 | rBV2 | 90922 | 213340 | 5.04% | 0.457% |

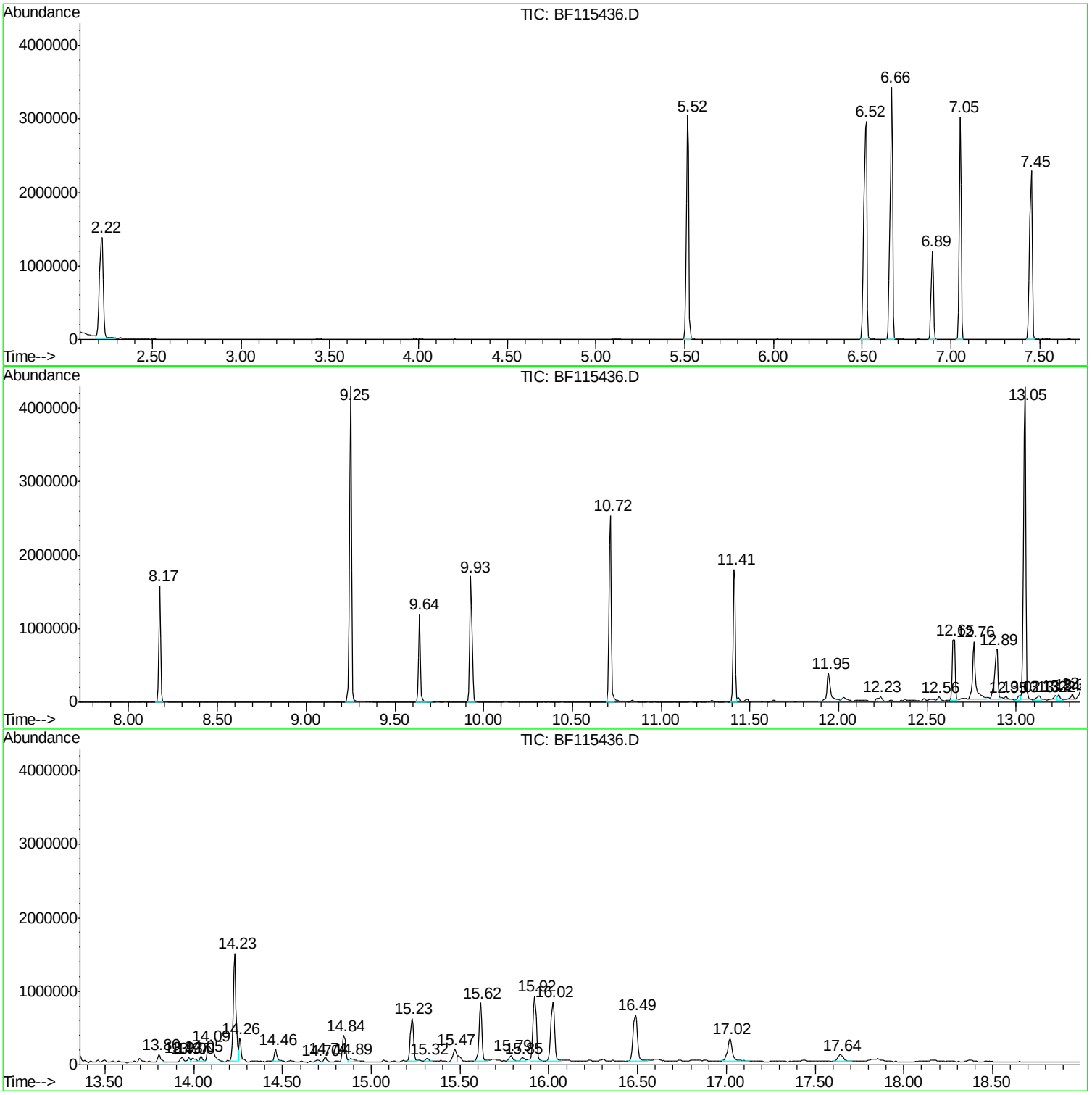
Sum of corrected areas: 46672618

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.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\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

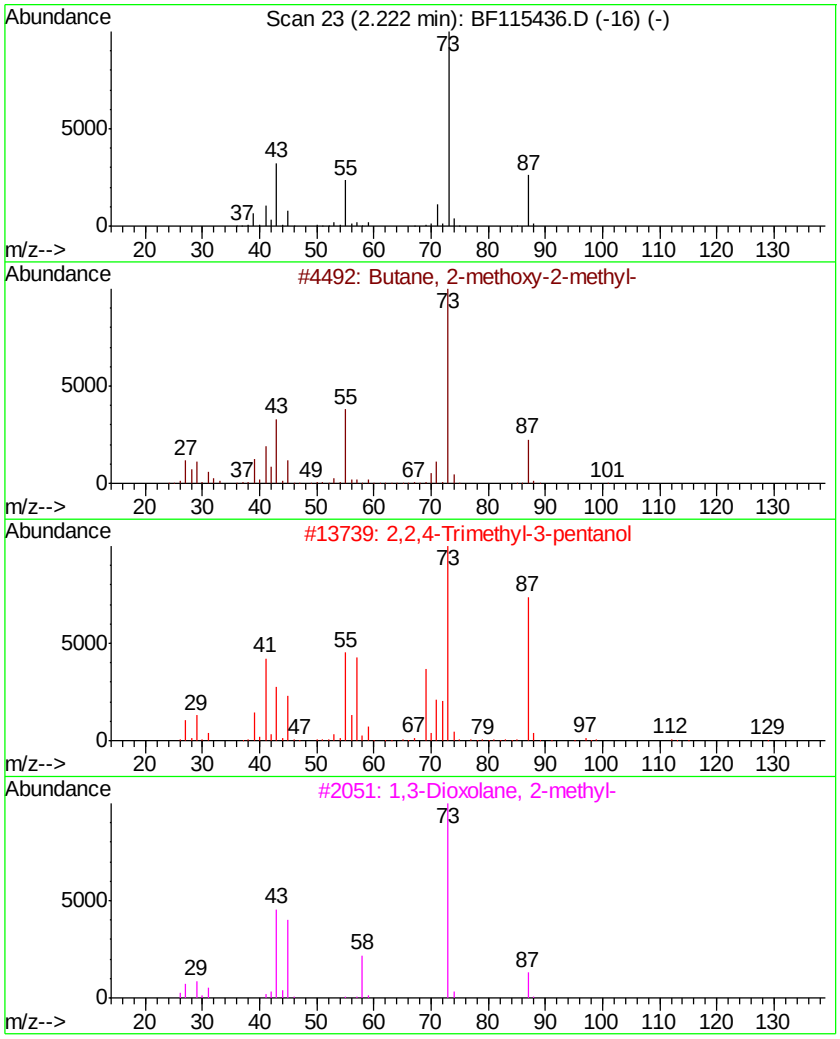
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

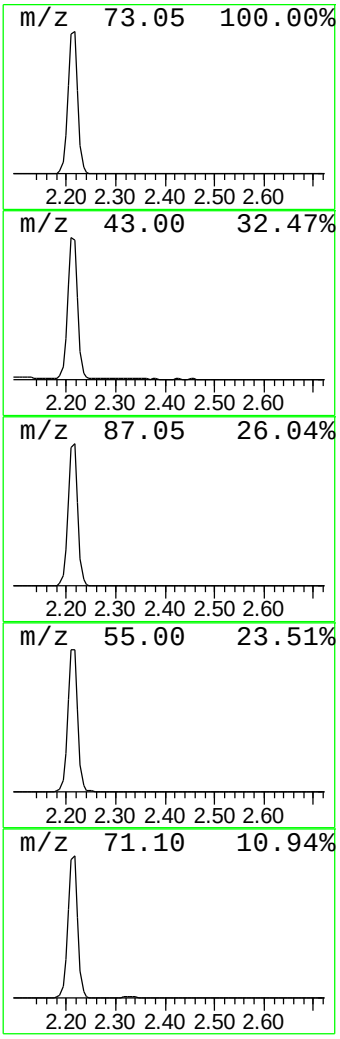
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.22 | 38.93 ng | 1897570 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 17 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

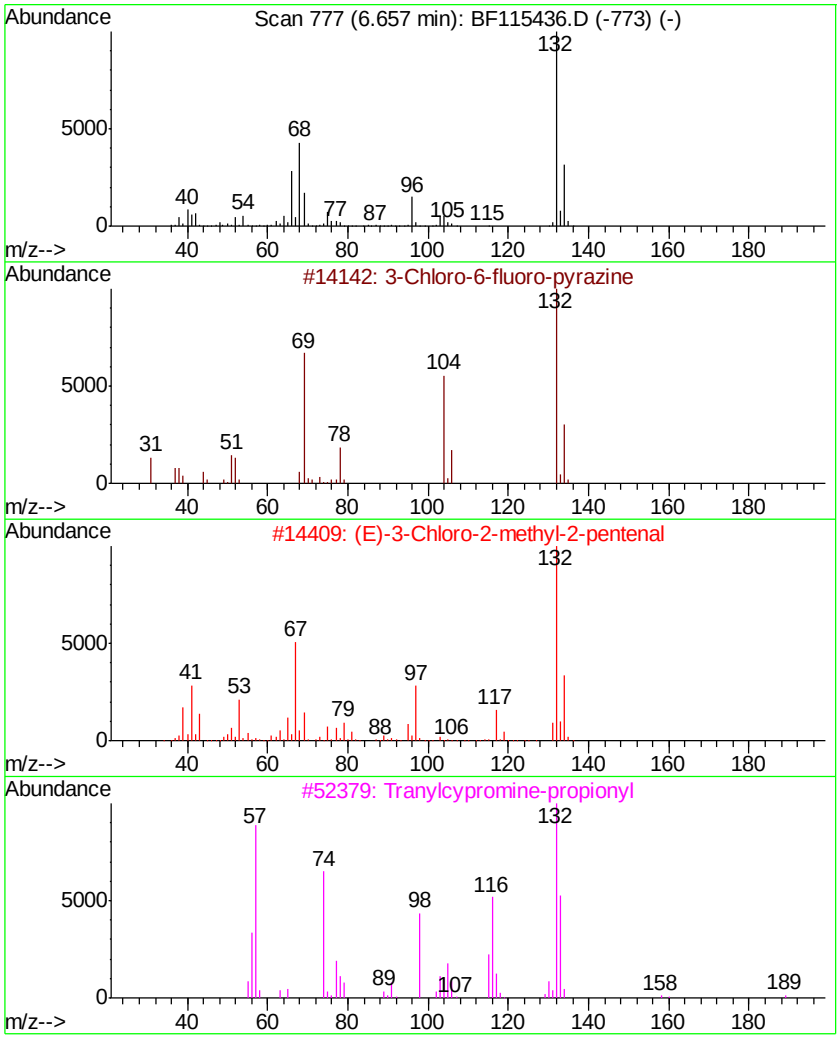
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

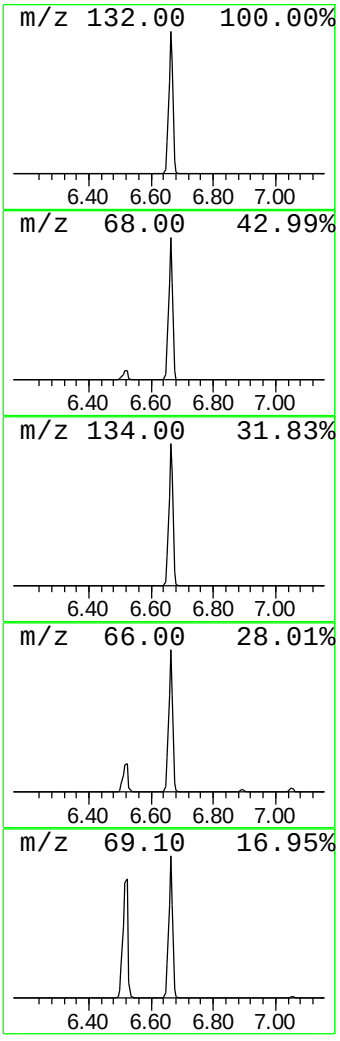
**********

Peak Number 2 unknown6.66 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.66 | 68.52 ng | 3340330 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | Xenon | 132 | Xe | 007440-63-3 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

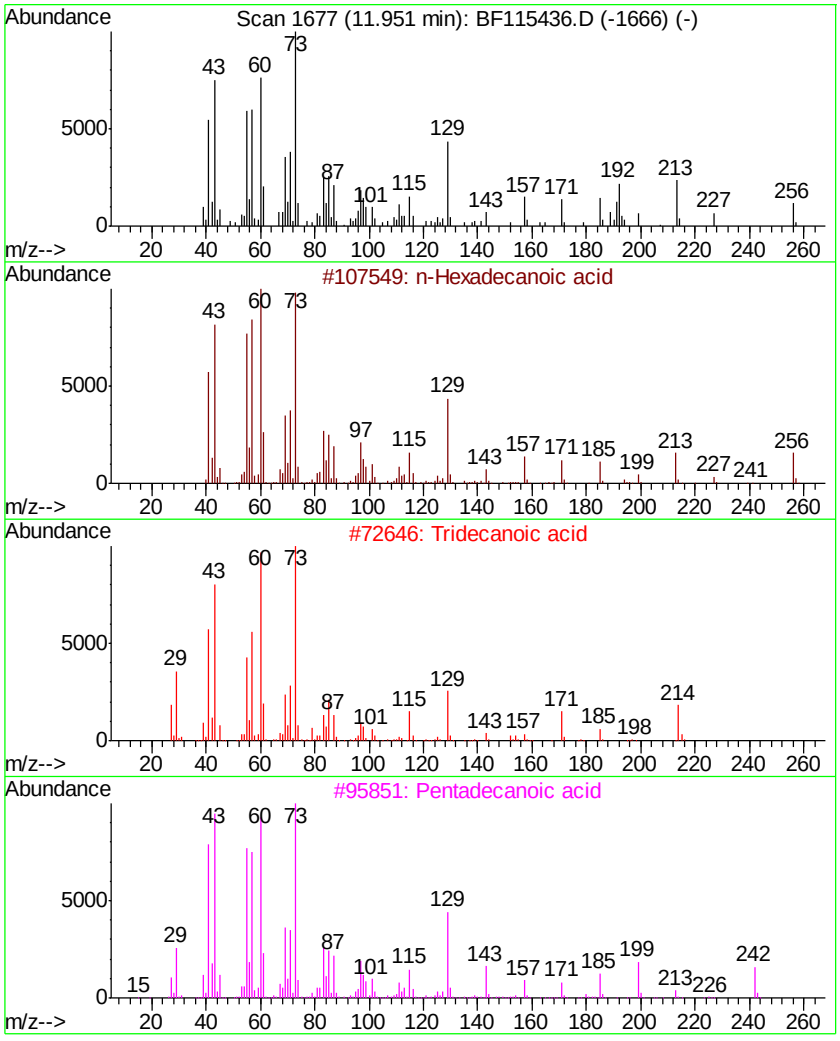
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

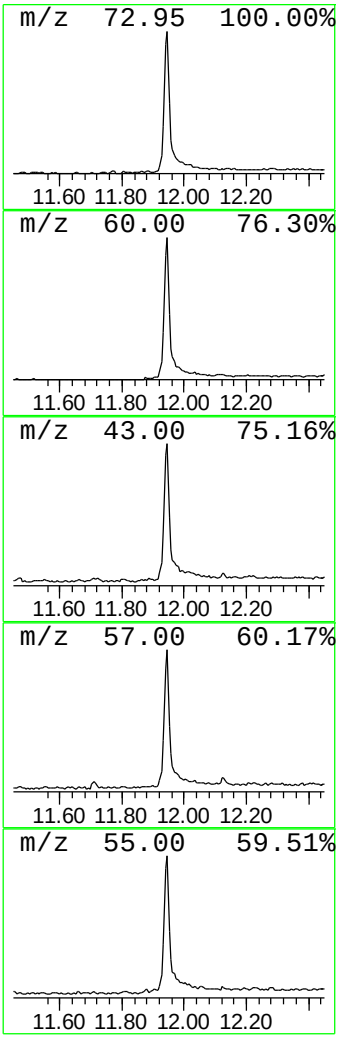
**********

Peak Number 4 n-Hexadecanoic acid Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.95 | 6.24 ng | 519174 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 91 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 81 |
| 5 | Oxalic acid, allyl hexadecyl ester | 354 | C21H38O4 | 1000309-24-4 | 15 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

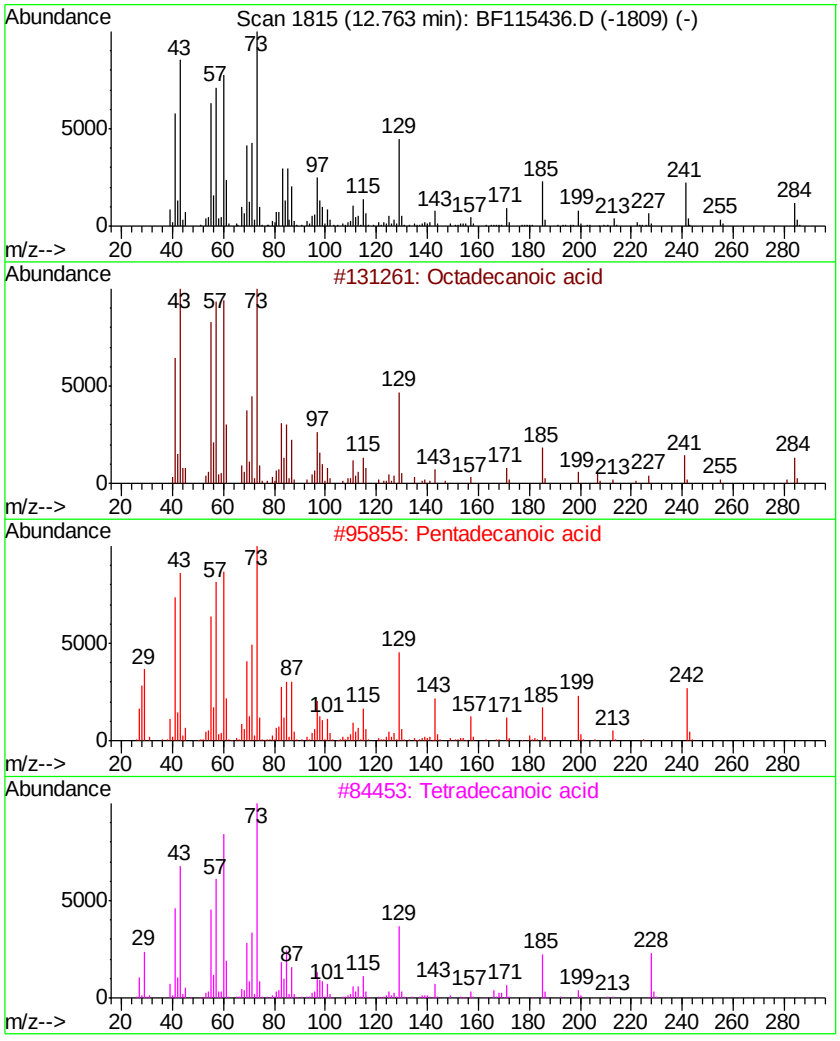
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

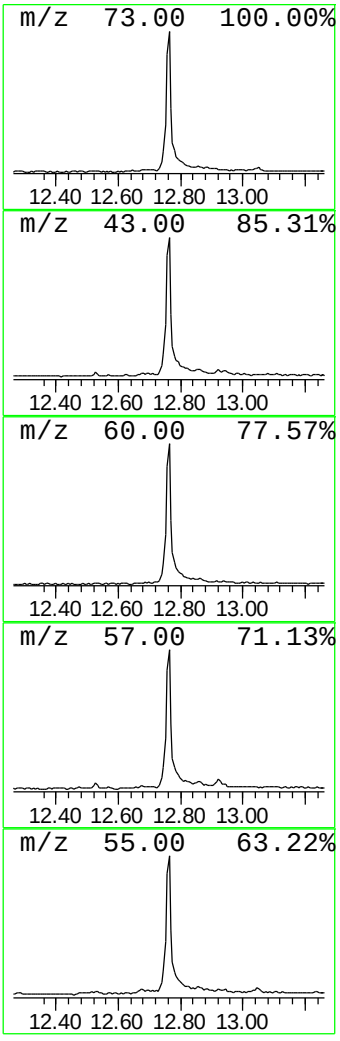
**********

Peak Number 5 Octadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.76 | 12.65 ng | 1052280 | Phenanthrene-d10 | 11.41 |

| 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 | 89 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 87 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 74 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

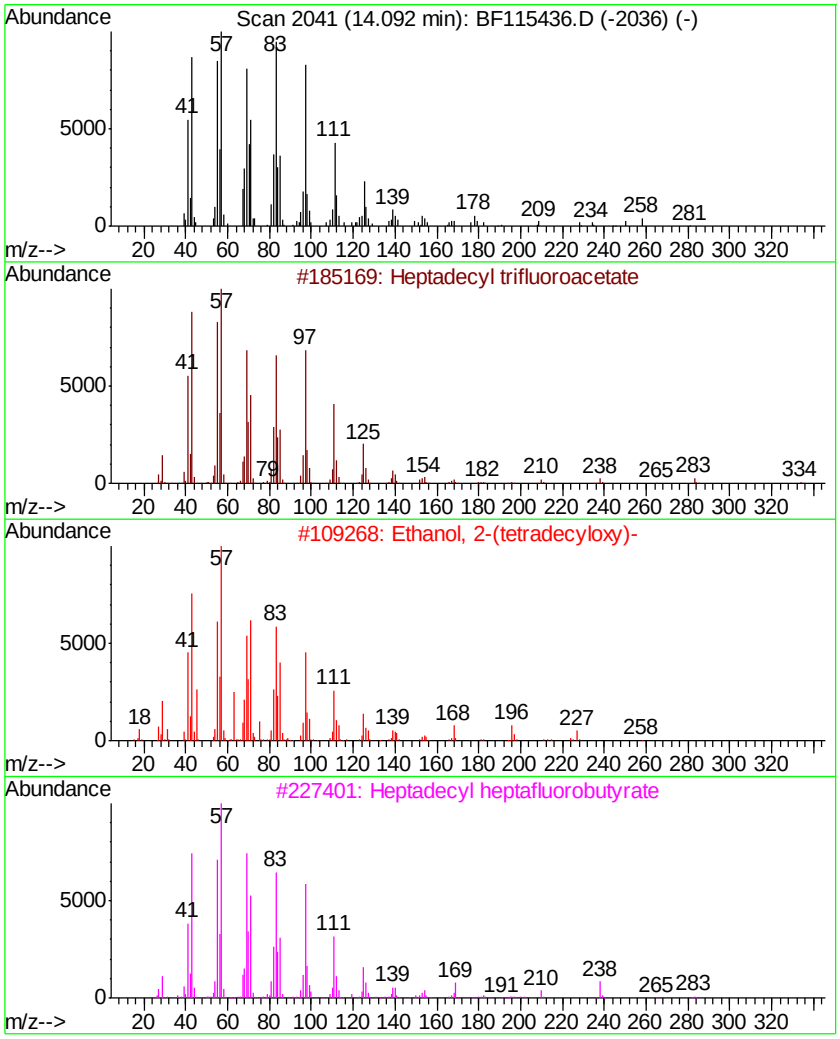
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

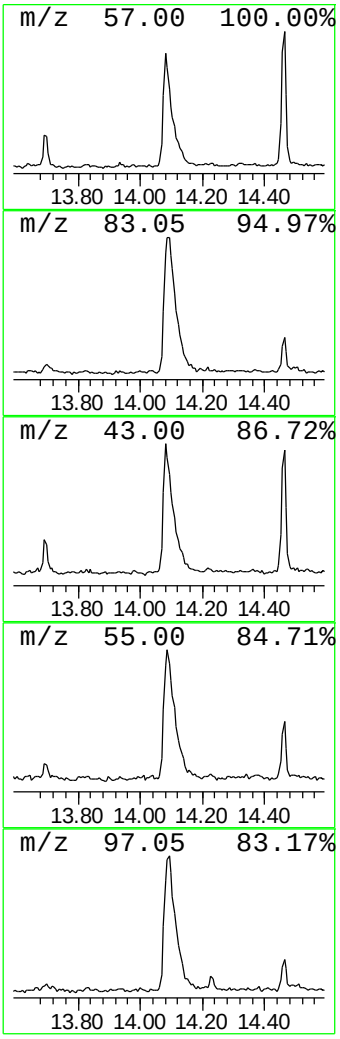
**********

Peak Number 6 Heptadecyl trifluoroacetate Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.09 | 6.97 ng | 570970 | Chrysene-d12 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 93 |
| 2 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 91 |
| 3 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 91 |
| 4 | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 81 |
| 5 | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

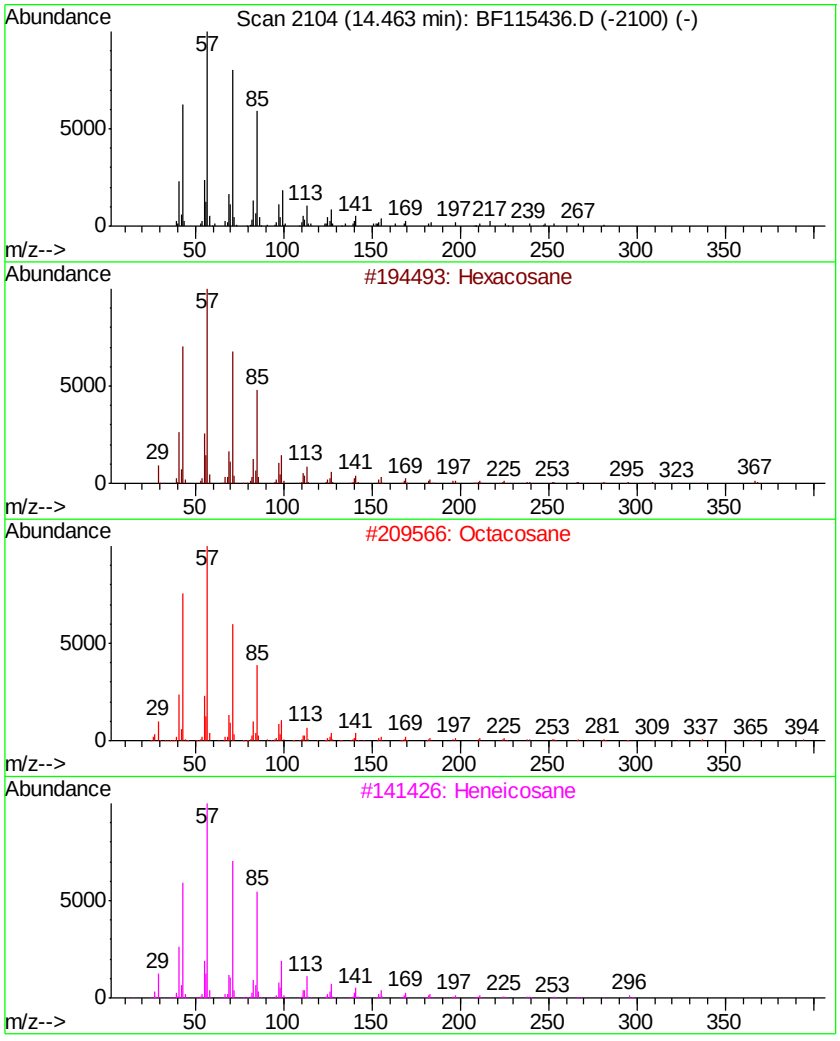
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

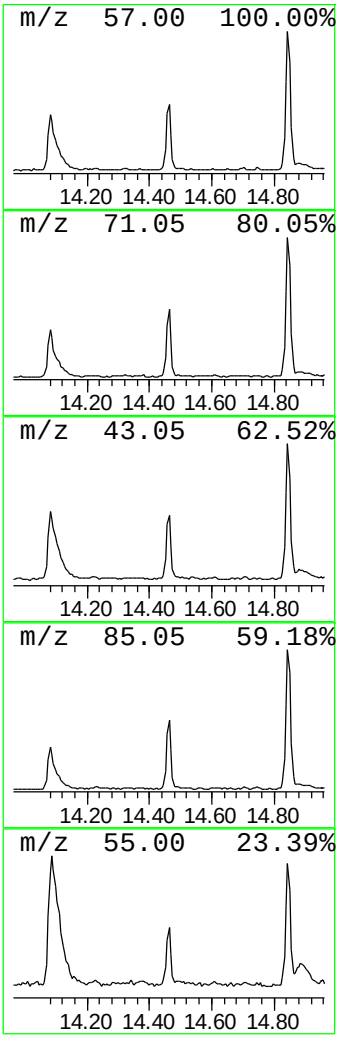
**********

Peak Number 7 Hexacosane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.46 | 2.13 ng | 174190 | Chrysene-d12 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | Docosane | 310 | C22H46 | 000629-97-0 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

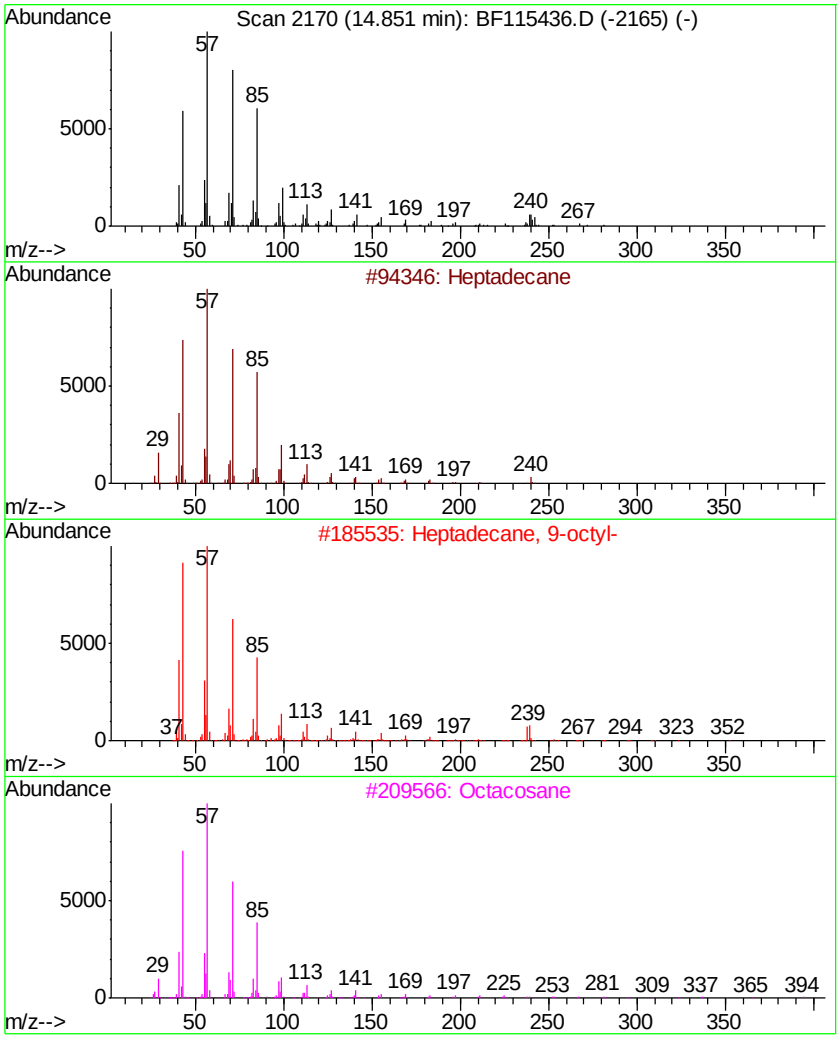
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

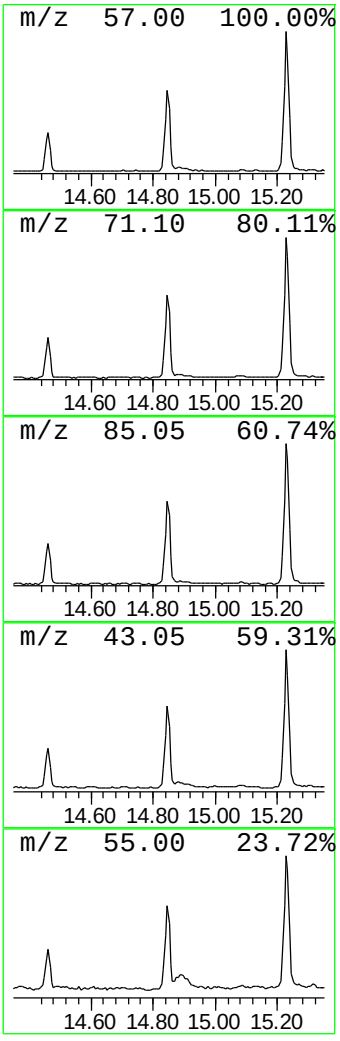
**********

Peak Number 8 Heptadecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 4.88 ng | 399512 | Chrysene-d12 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 93 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

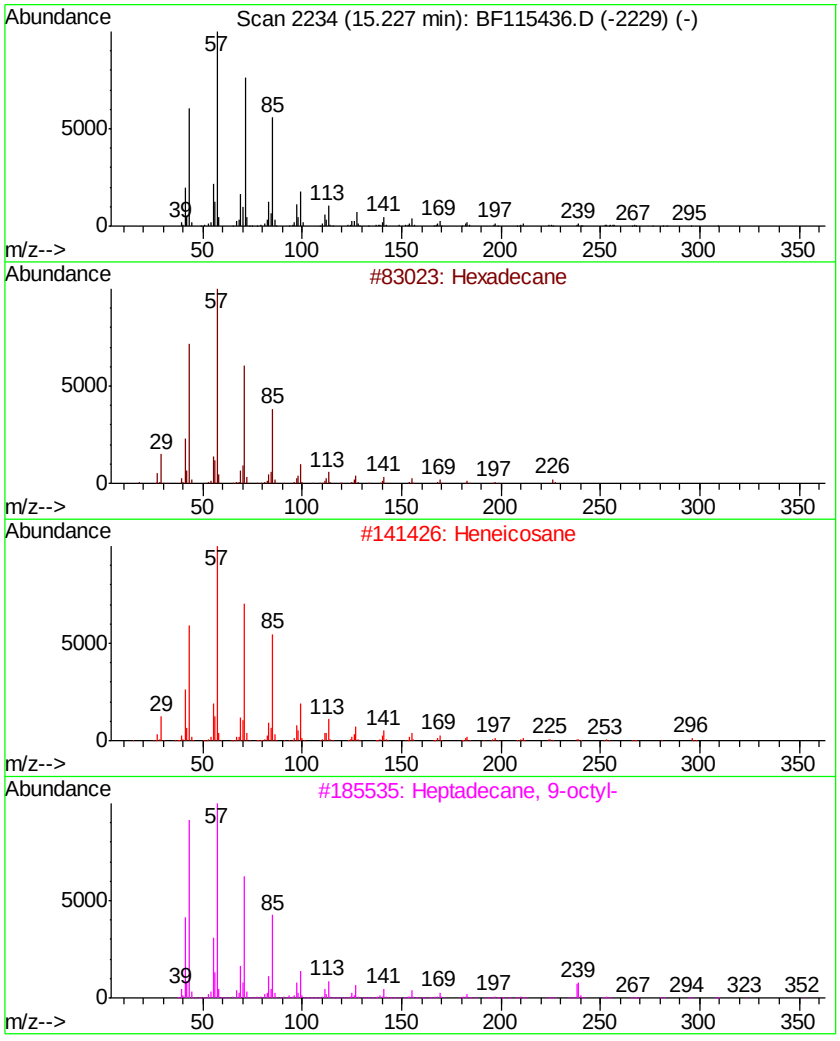
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

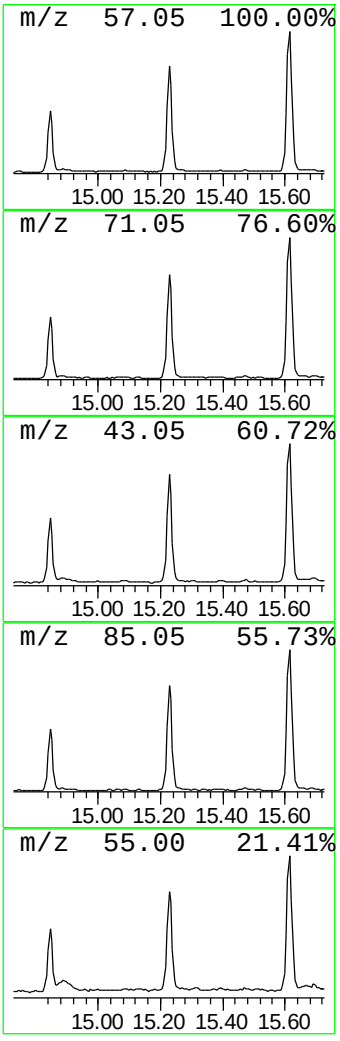
**********

Peak Number 9 Hexadecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.23 | 12.32 ng | 678765 | Perylene-d12 | 15.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.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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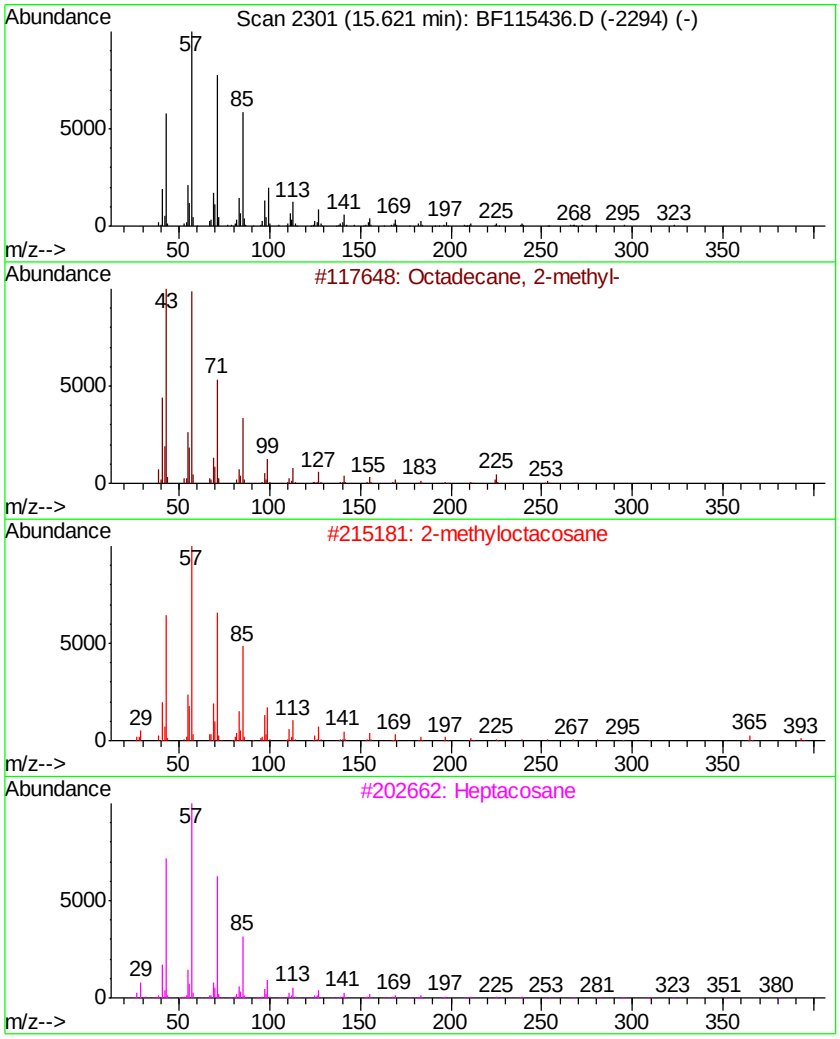
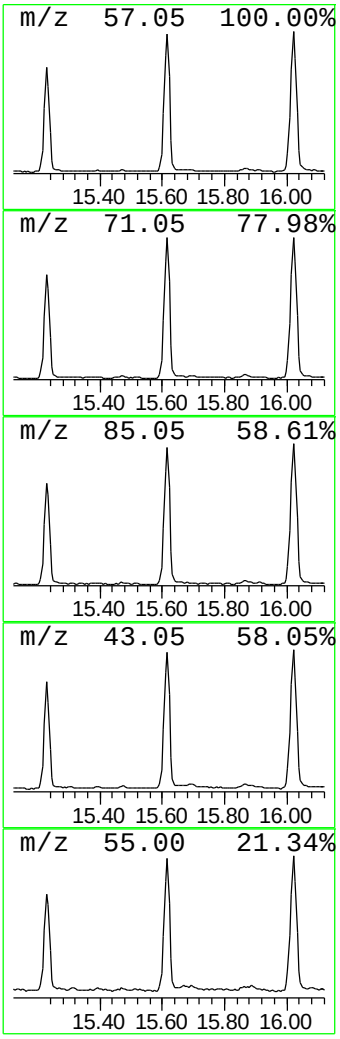
Peak Number 10 Octadecane, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.62 | 17.56 ng | 967198 | Perylene-d12 | 15.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane, 2-methyl- | 268 | C19H40 | 001560-88-9 | 91 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.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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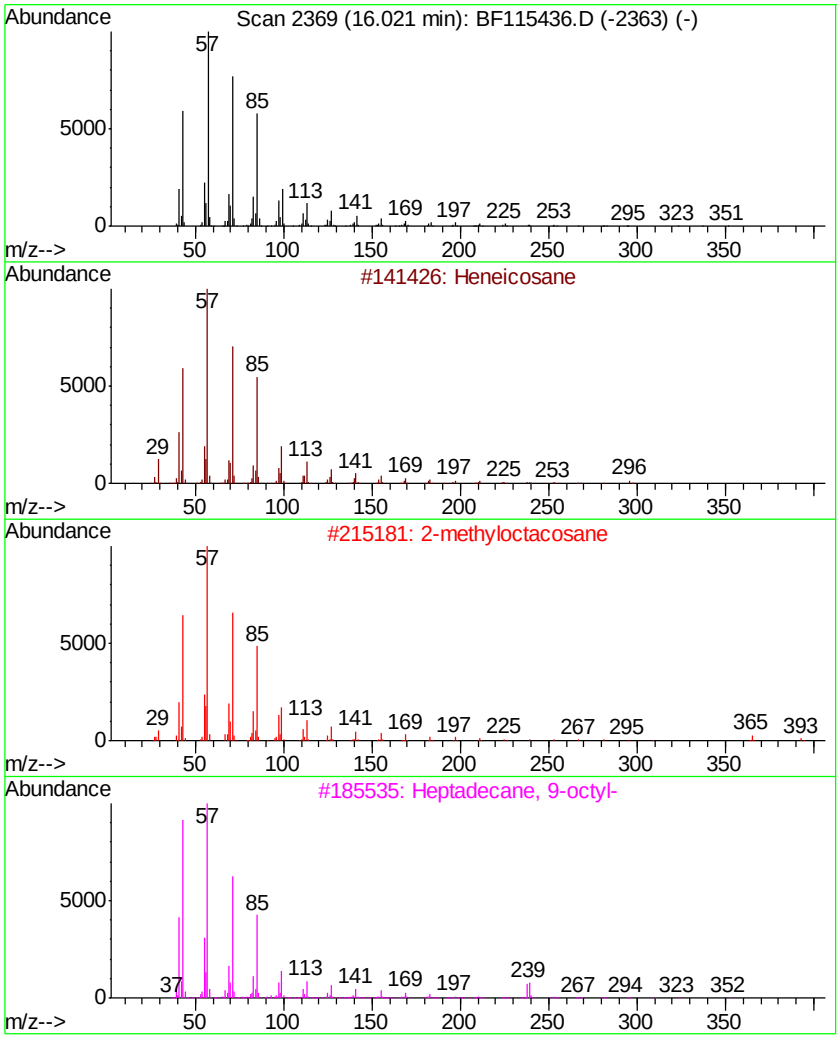
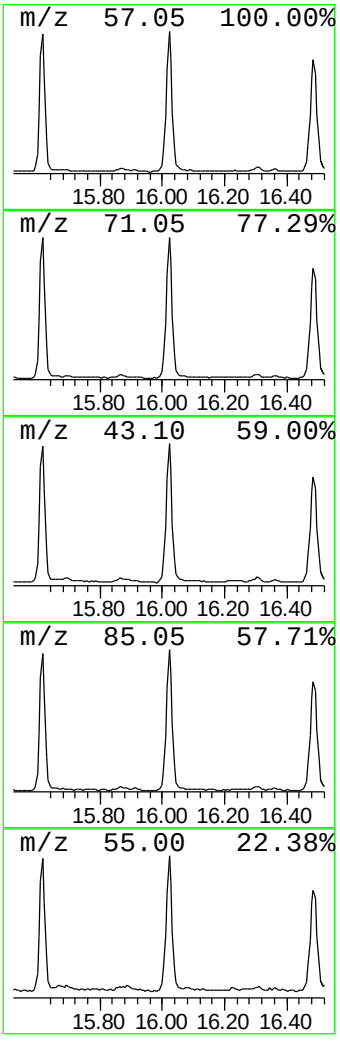
Peak Number 11 Heneicosane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.02 | 19.80 ng | 1090430 | Perylene-d12 | 15.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.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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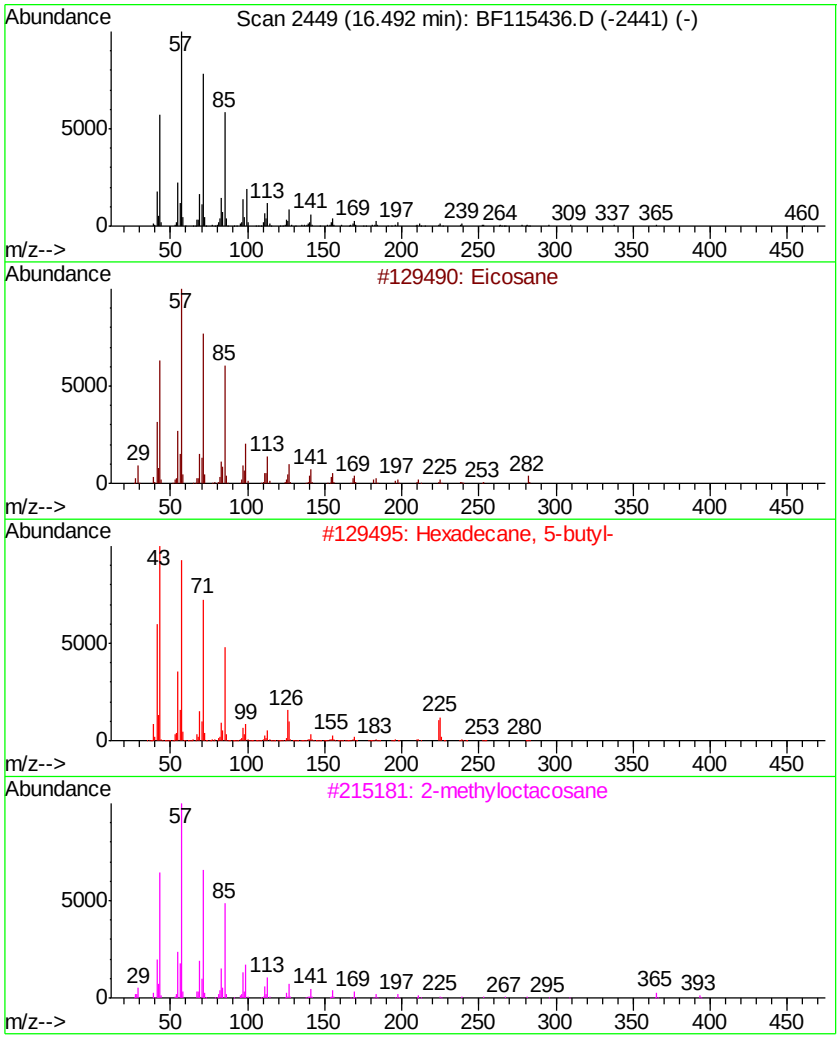
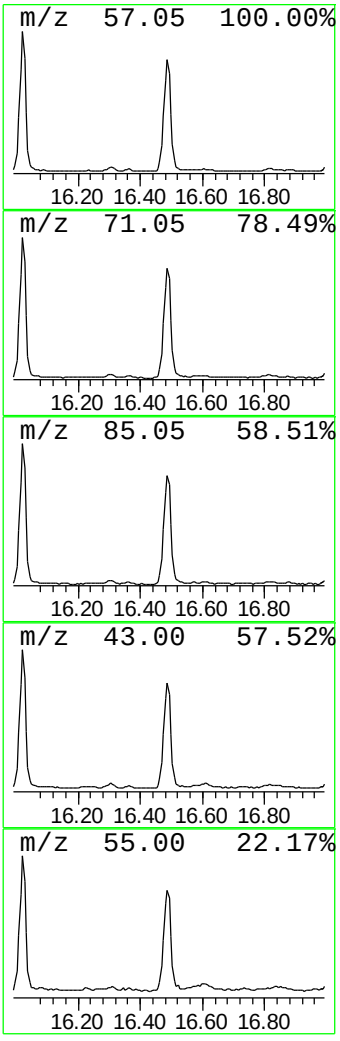
Peak Number 12 Eicosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.49 | 19.08 ng | 1050840 | Perylene-d12 | 15.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 95 |
| 2 | Hexadecane, 5-butyl- | 282 | C20H42 | 006912-07-8 | 93 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.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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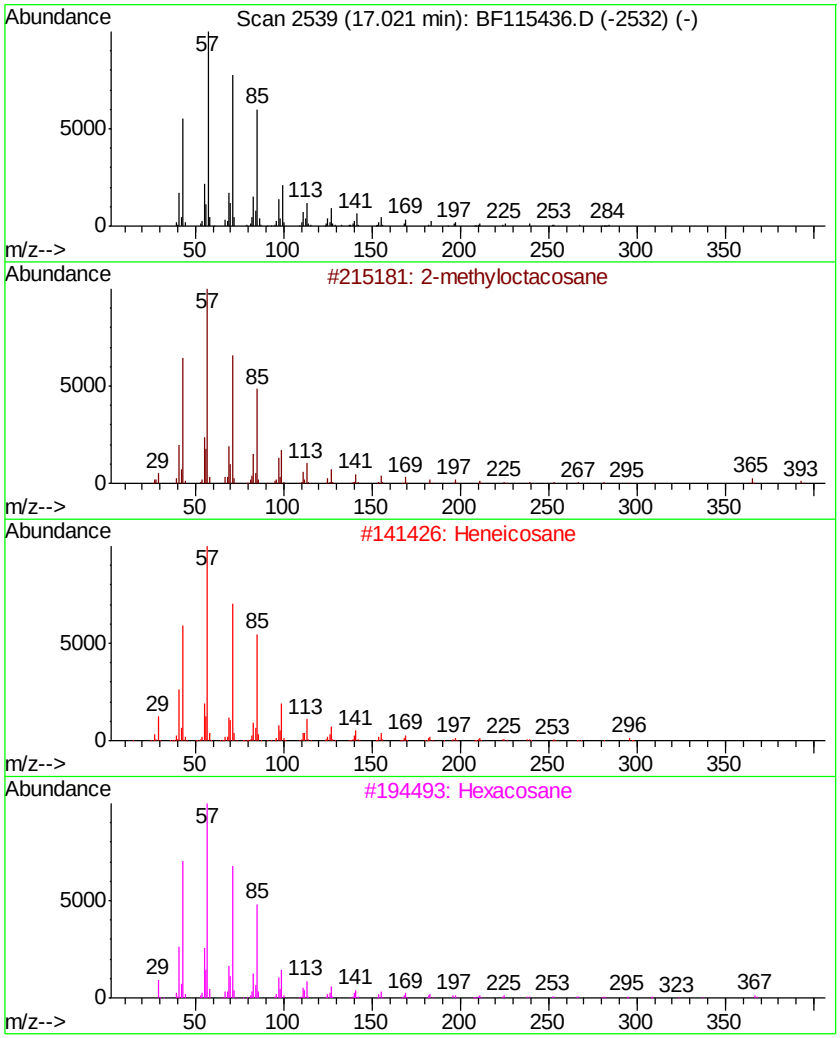
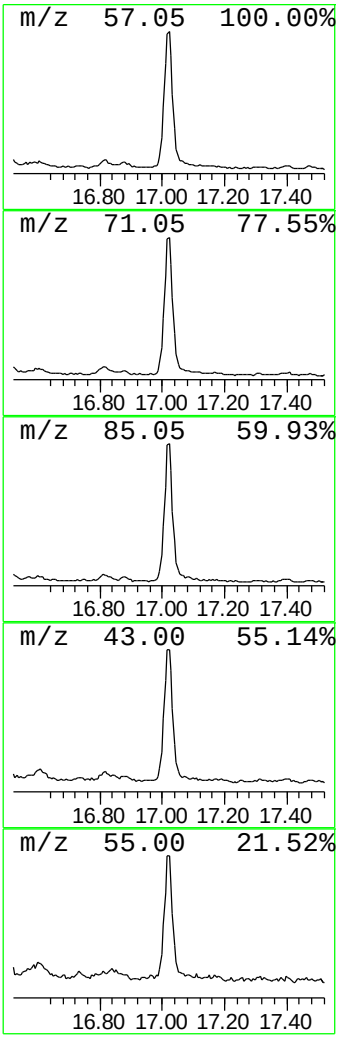
Peak Number 13 2-methyloctacosane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.02 | 10.96 ng | 603547 | Perylene-d12 | 15.92 |

| 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 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 4 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 91 |
| 5 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.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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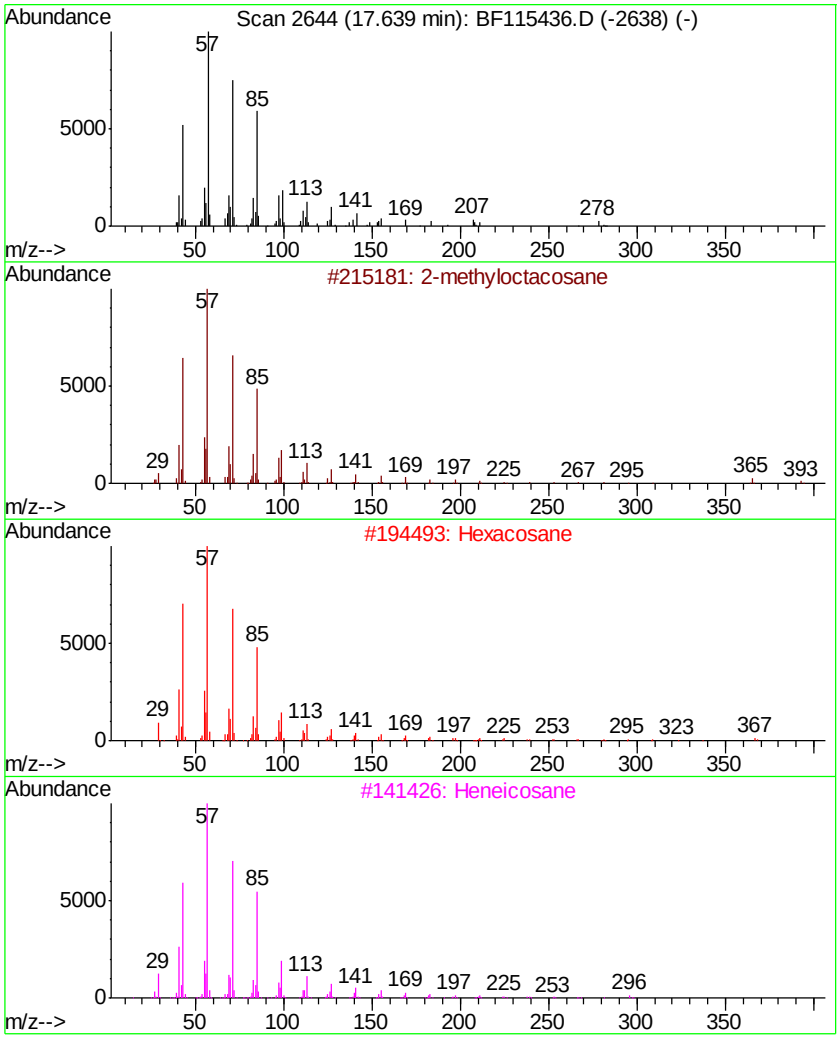
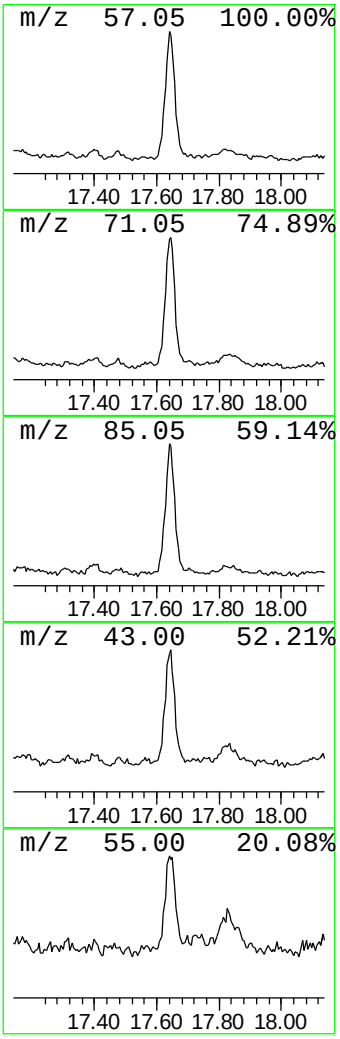
Peak Number 14 Heptadecane, 9-hexyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.64 | 3.87 ng | 213340 | Perylene-d12 | 15.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | Heptadecane, 9-hexyl- | 324 | C23H48 | 055124-79-3 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070919\
Data File : BF115436.D
Acq On : 9 Jul 2019 16:17
Operator : HP/JU
Sample : K3687-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-12017-VNJ-206

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.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 |
| Butane, 2-methoxy... | 2.22 | 38.9 | ng | 1897570 | 1 | 6.89 | 974987 | 20.0 |
| unknown6.66 | 6.66 | 68.5 | ng | 3340330 | 1 | 6.89 | 974987 | 20.0 |
| n-Hexadecanoic acid | 11.95 | 6.2 | ng | 519174 | 4 | 11.41 | 1663670 | 20.0 |
| Octadecanoic acid | 12.76 | 12.7 | ng | 1052280 | 4 | 11.41 | 1663670 | 20.0 |
| Heptadecyl triflu... | 14.09 | 7.0 | ng | 570970 | 5 | 14.23 | 1637760 | 20.0 |
| Hexacosane | 14.46 | 2.1 | ng | 174190 | 5 | 14.23 | 1637760 | 20.0 |
| Heptadecane | 14.85 | 4.9 | ng | 399512 | 5 | 14.23 | 1637760 | 20.0 |
| Hexadecane | 15.23 | 12.3 | ng | 678765 | 6 | 15.92 | 1101630 | 20.0 |
| Octadecane, 2-met... | 15.62 | 17.6 | ng | 967198 | 6 | 15.92 | 1101630 | 20.0 |
| Heneicosane | 16.02 | 19.8 | ng | 1090430 | 6 | 15.92 | 1101630 | 20.0 |
| Eicosane | 16.49 | 19.1 | ng | 1050840 | 6 | 15.92 | 1101630 | 20.0 |
| 2-methyloctacosane | 17.02 | 11.0 | ng | 603547 | 6 | 15.92 | 1101630 | 20.0 |
| Heptadecane, 9-he... | 17.64 | 3.9 | ng | 213340 | 6 | 15.92 | 1101630 | 20.0 |