LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

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-BF012020.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 | 2.181 | 9 | 16 | 26 | rVB | 2251731 | 3090408 | 34.46% | 2.780% |
| 2 | 5.099 | 503 | 512 | 530 | rBV | 1279692 | 1894014 | 21.12% | 1.704% |
| 3 | 5.504 | 575 | 581 | 584 | rBV | 7572534 | 8213899 | 91.60% | 7.389% |
| 4 | 6.510 | 745 | 752 | 755 | rBV | 7503250 | 8654266 | 96.51% | 7.785% |
| 5 | 6.651 | 771 | 776 | 779 | rBV | 8771561 | 8922589 | 99.50% | 8.026% |
| 6 | 6.881 | 811 | 815 | 818 | rBV | 2409386 | 2149501 | 23.97% | 1.934% |
| 7 | 7.040 | 837 | 842 | 845 | rBV | 7274629 | 6957634 | 77.59% | 6.258% |
| 8 | 7.440 | 904 | 910 | 913 | rBV | 5247831 | 5554340 | 61.94% | 4.996% |
| 9 | 8.157 | 1028 | 1032 | 1036 | rBV | 2877316 | 2646602 | 29.51% | 2.381% |
| 10 | 9.234 | 1210 | 1215 | 1219 | rBV | 9078802 | 8967042 | 100.00% | 8.066% |
| 11 | 9.622 | 1278 | 1281 | 1285 | rVB | 739993 | 599382 | 6.68% | 0.539% |
| 12 | 9.916 | 1324 | 1331 | 1334 | rBV | 3245449 | 2821800 | 31.47% | 2.538% |
| 13 | 10.322 | 1396 | 1400 | 1409 | rBV | 110226 | 138260 | 1.54% | 0.124% |
| 14 | 10.698 | 1460 | 1464 | 1468 | rBV | 5410164 | 5263805 | 58.70% | 4.735% |
| 15 | 11.398 | 1579 | 1583 | 1586 | rBV | 2687742 | 2349695 | 26.20% | 2.114% |
| 16 | 11.422 | 1586 | 1587 | 1590 | rVV | 399347 | 231287 | 2.58% | 0.208% |
| 17 | 11.469 | 1591 | 1595 | 1598 | rVB2 | 141695 | 154429 | 1.72% | 0.139% |
| 18 | 11.898 | 1665 | 1668 | 1670 | rBV | 94127 | 96794 | 1.08% | 0.087% |
| 19 | 11.922 | 1670 | 1672 | 1676 | rVB2 | 599967 | 588605 | 6.56% | 0.529% |
| 20 | 12.010 | 1684 | 1687 | 1690 | rBV | 122037 | 125557 | 1.40% | 0.113% |
| 21 | 12.180 | 1713 | 1716 | 1720 | rBV2 | 68578 | 101804 | 1.14% | 0.092% |
| 22 | 12.451 | 1758 | 1762 | 1765 | rBV | 100974 | 113459 | 1.27% | 0.102% |
| 23 | 12.610 | 1785 | 1789 | 1795 | rBV | 544620 | 566677 | 6.32% | 0.510% |
| 24 | 12.710 | 1802 | 1806 | 1812 | rBV2 | 156623 | 176566 | 1.97% | 0.159% |
| 25 | 12.839 | 1824 | 1828 | 1830 | rVB | 420476 | 379083 | 4.23% | 0.341% |
| 26 | 12.980 | 1848 | 1852 | 1856 | rBV | 6665396 | 6148982 | 68.57% | 5.531% |
| 27 | 13.163 | 1881 | 1883 | 1886 | rVB | 89183 | 91171 | 1.02% | 0.082% |
| 28 | 13.233 | 1890 | 1895 | 1897 | rVB2 | 71210 | 98803 | 1.10% | 0.089% |
| 29 | 13.457 | 1929 | 1933 | 1936 | rBV | 3505783 | 2917737 | 32.54% | 2.625% |
| 30 | 13.522 | 1940 | 1944 | 1948 | rBV | 1102013 | 1036730 | 11.56% | 0.933% |
| 31 | 13.557 | 1948 | 1950 | 1958 | rVB2 | 110330 | 145698 | 1.62% | 0.131% |
| 32 | 13.786 | 1984 | 1989 | 1991 | rBV2 | 54555 | 96090 | 1.07% | 0.086% |
| 33 | 13.880 | 2001 | 2005 | 2023 | rBV2 | 707283 | 1482859 | 16.54% | 1.334% |
| 34 | 14.033 | 2025 | 2031 | 2034 | rVV2 | 2480372 | 3094714 | 34.51% | 2.784% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

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-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.057 | 2034 | 2035 | 2039 | rVB | 252757 | 163170 | 1.82% | 0.147% |
| 36 | 14.204 | 2055 | 2060 | 2064 | rVB | 1453083 | 1435478 | 16.01% | 1.291% |
| 37 | 14.510 | 2107 | 2112 | 2116 | rBV | 2790733 | 2919938 | 32.56% | 2.627% |
| 38 | 14.816 | 2159 | 2164 | 2173 | rVB | 3658055 | 4306820 | 48.03% | 3.874% |
| 39 | 14.892 | 2174 | 2177 | 2184 | rVB | 778991 | 833208 | 9.29% | 0.749% |
| 40 | 15.074 | 2204 | 2208 | 2215 | rBV | 199203 | 401232 | 4.47% | 0.361% |
| 41 | 15.163 | 2217 | 2223 | 2232 | rVB | 3314693 | 4410787 | 49.19% | 3.968% |
| 42 | 15.380 | 2256 | 2260 | 2267 | rBV2 | 181995 | 400239 | 4.46% | 0.360% |
| 43 | 15.439 | 2267 | 2270 | 2274 | rVV | 221841 | 270624 | 3.02% | 0.243% |
| 44 | 15.504 | 2276 | 2281 | 2284 | rVV | 1939782 | 2659015 | 29.65% | 2.392% |
| 45 | 15.545 | 2284 | 2288 | 2297 | rVB | 2690232 | 3717153 | 41.45% | 3.344% |
| 46 | 15.986 | 2357 | 2363 | 2369 | rBV | 1457076 | 2334376 | 26.03% | 2.100% |
| 47 | 16.498 | 2444 | 2450 | 2457 | rBV | 626257 | 1167425 | 13.02% | 1.050% |
| 48 | 17.098 | 2548 | 2552 | 2559 | rVB2 | 142325 | 281574 | 3.14% | 0.253% |

Sum of corrected areas: 111171321

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
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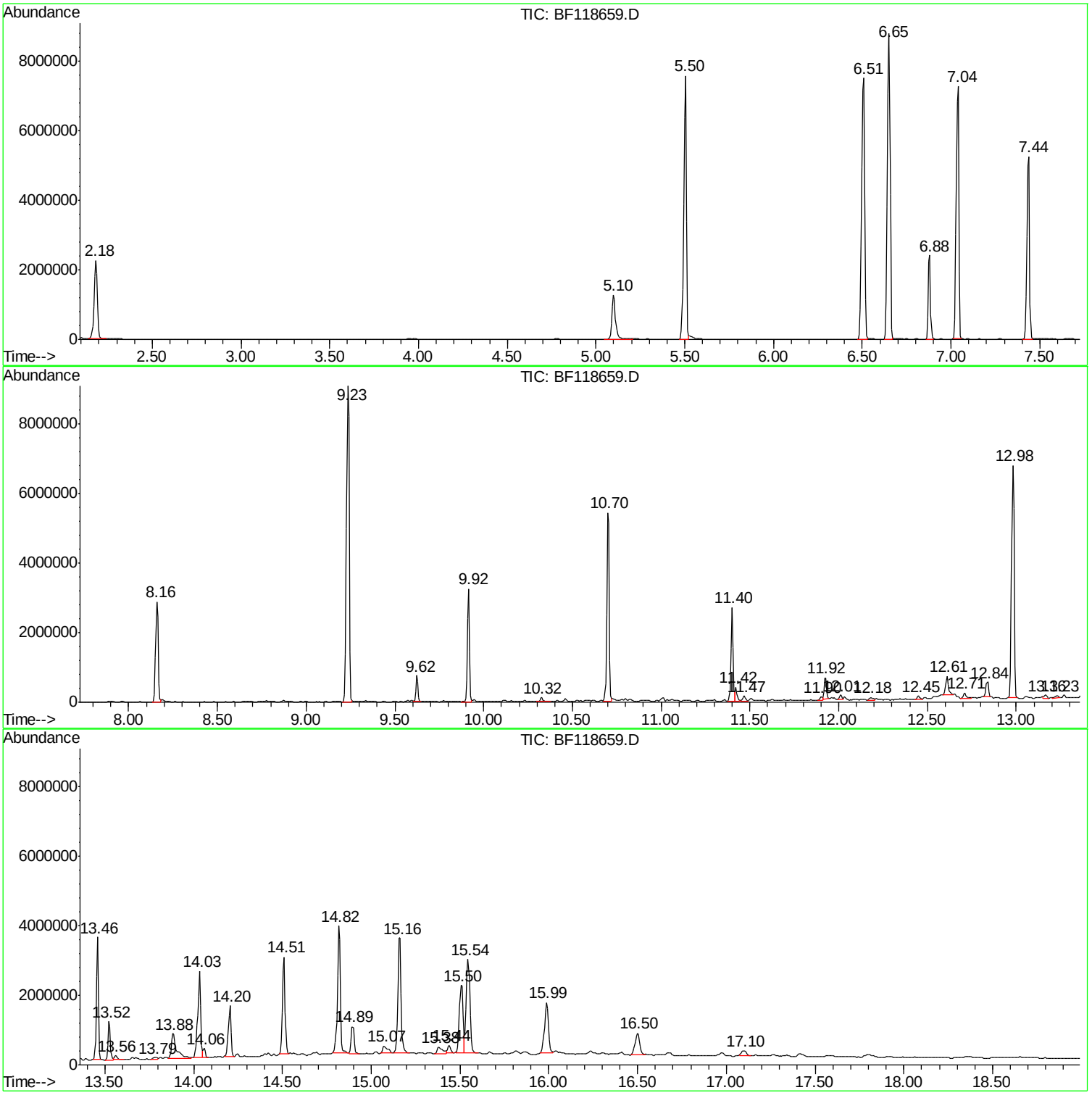
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

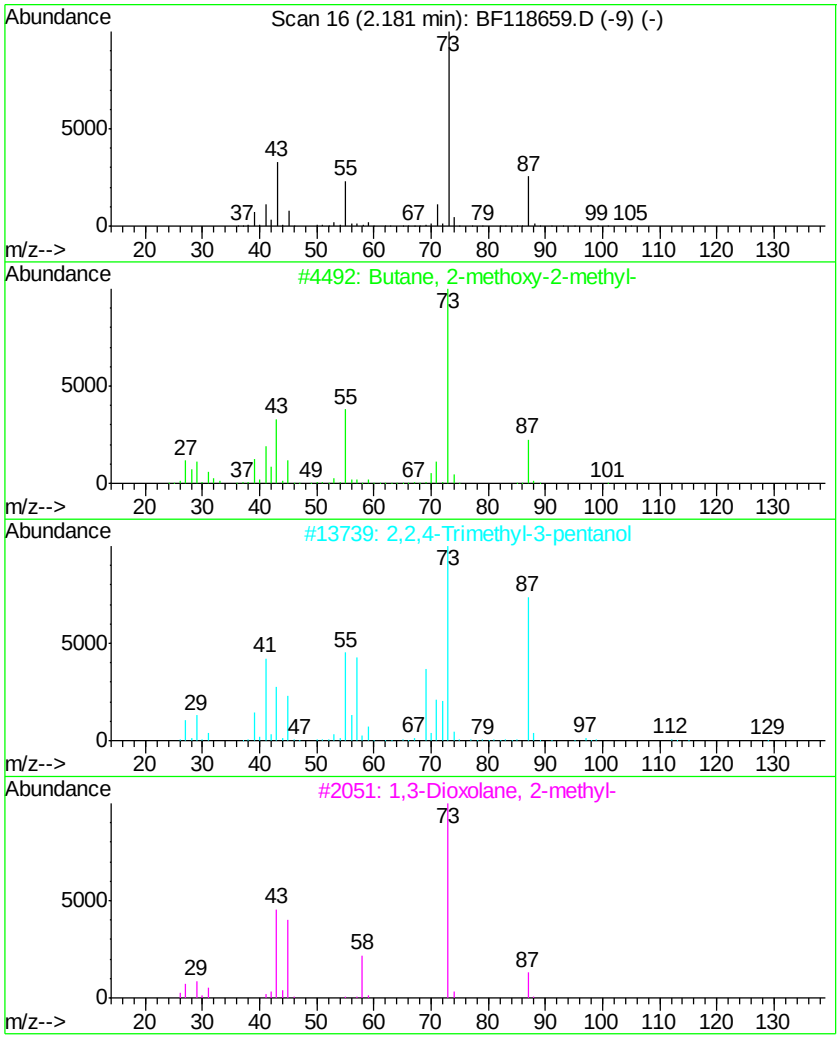
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

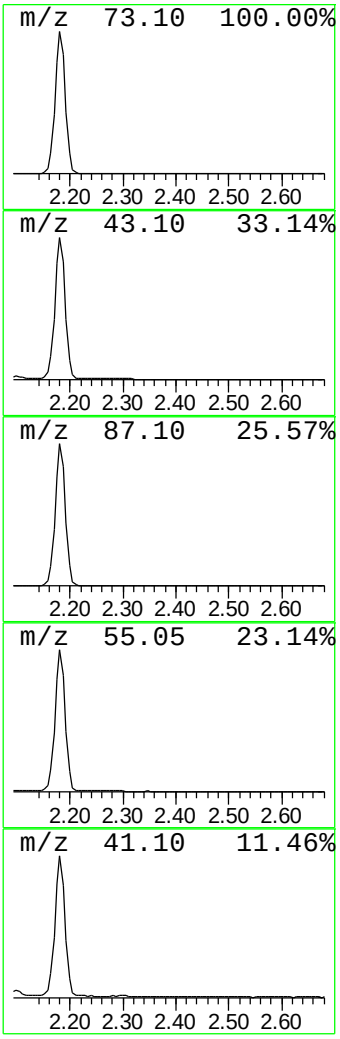
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.18 | 28.75 ng | 3090410 | 1,4-Dichlorobenzene-d4 | 6.88 |

| 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 | Borane, dimethoxy- | 74 | C2H7BO2 | 004542-61-4 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

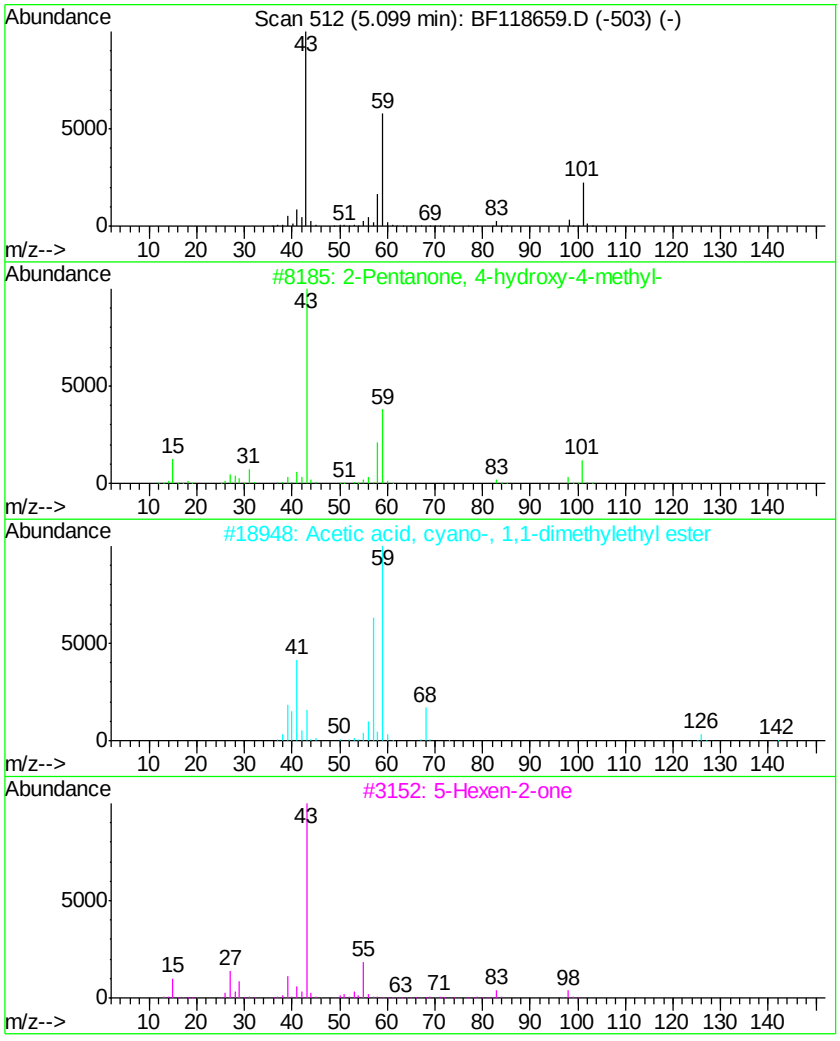
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

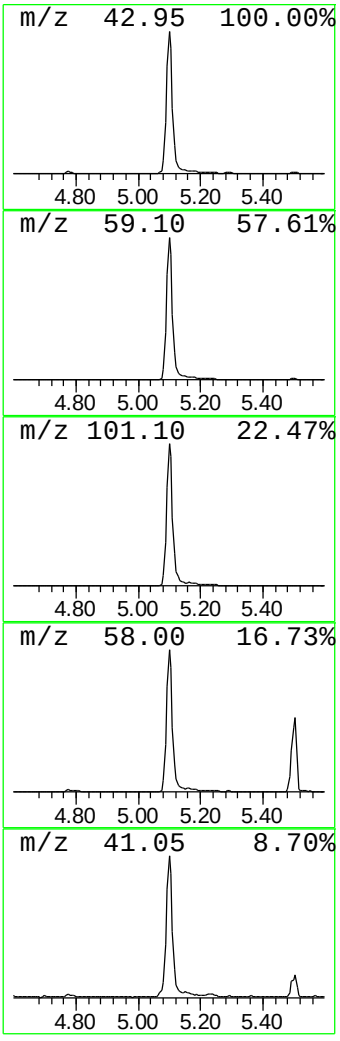
**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.10 | 17.62 ng | 1894010 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 3 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 4 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

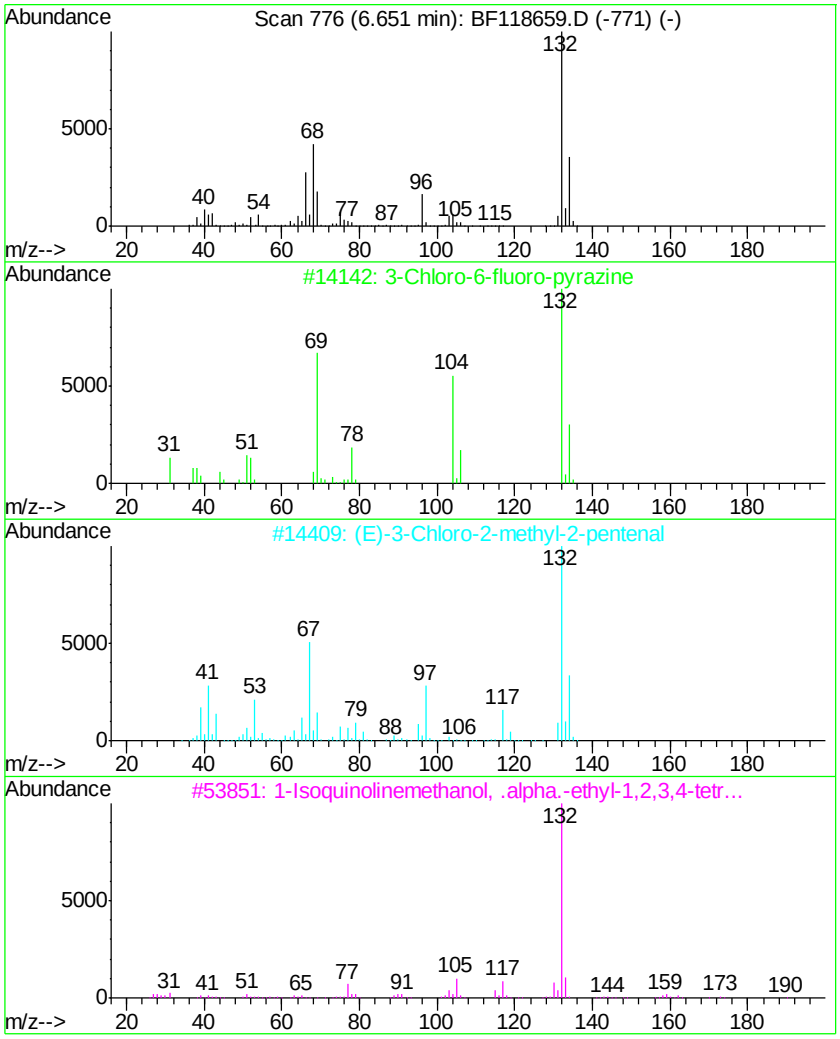
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

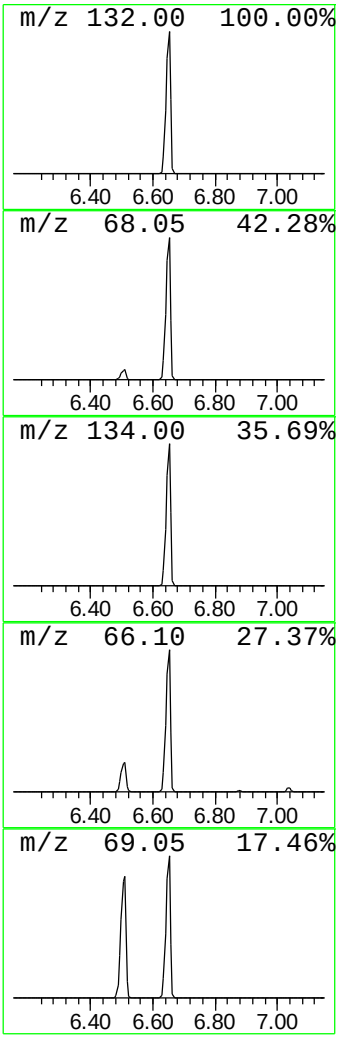
**********

Peak Number 3 unknown6.65 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.65 | 83.02 ng | 8922590 | 1,4-Dichlorobenzene-d4 | 6.88 |

| 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 | 27 |
| 3 | 1-Isoquinolinemethanol, .alpha.-... | 191 | C12H17NO | 114608-92-3 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 12 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

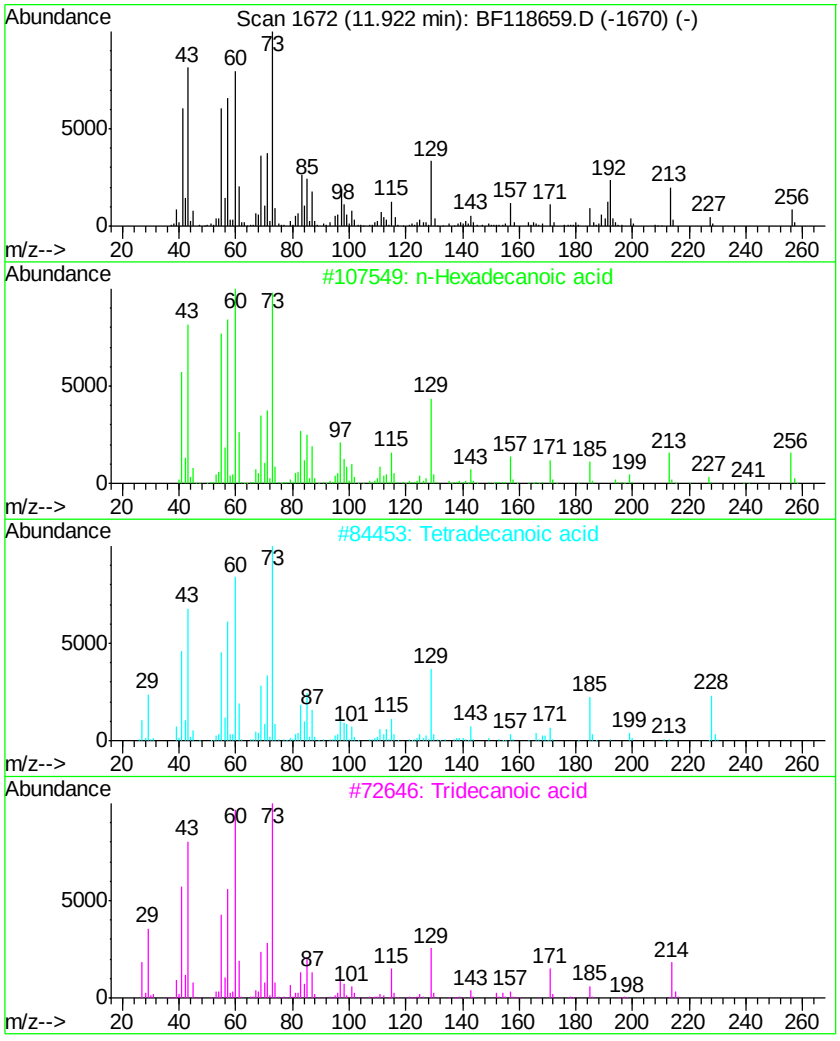
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

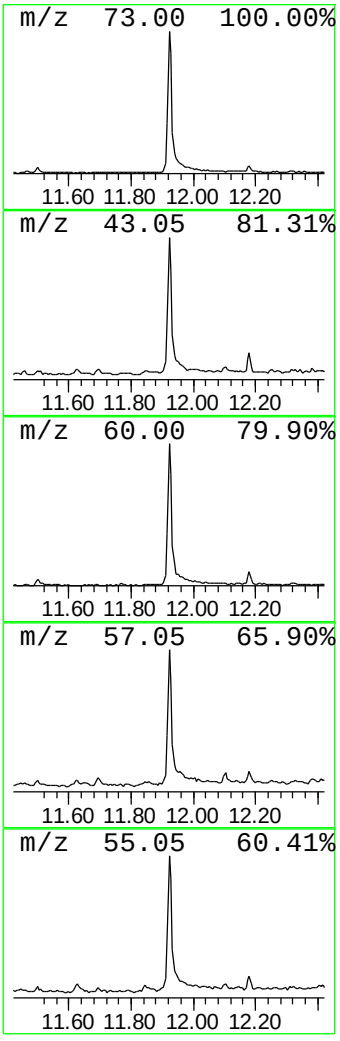
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.92 | 5.01 ng | 588605 | Phenanthrene-d10 | 11.40 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 89 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 89 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 47 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
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ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

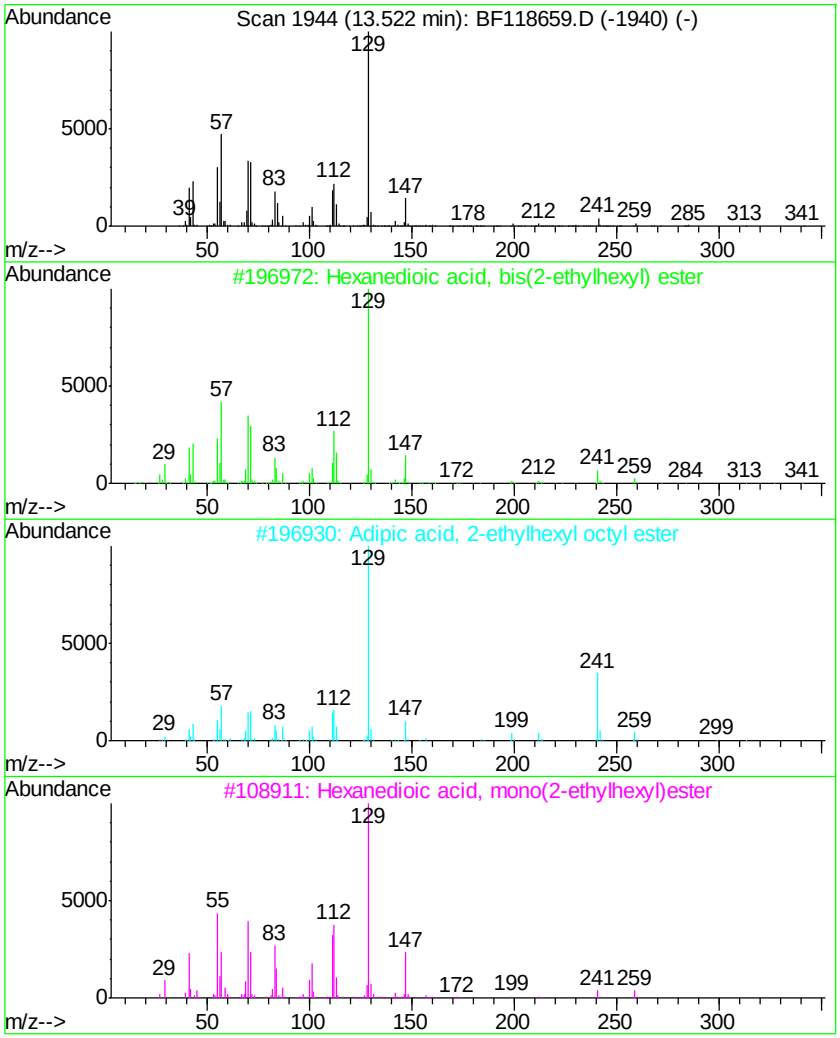
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

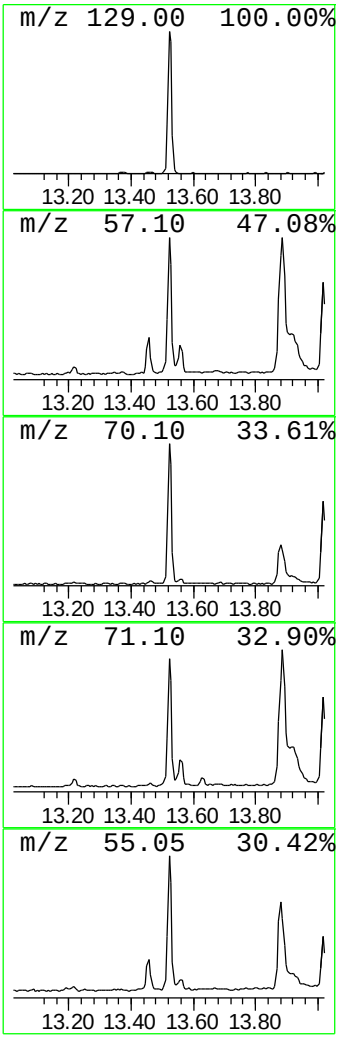
**********

Peak Number 6 Hexanedioic acid, bis(2-eth... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.52 | 6.70 ng | 1036730 | Chrysene-d12 | 14.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 91 |
| 2 | Adipic acid, 2-ethylhexyl octyl ... | 370 | C22H42O4 | 1000324-48-6 | 90 |
| 3 | Hexanedioic acid, mono(2-ethylhe... | 258 | C14H26O4 | 004337-65-9 | 68 |
| 4 | Hexanedioic acid, dioctyl ester | 370 | C22H42O4 | 000123-79-5 | 62 |
| 5 | Adipic acid, 2-ethylhexyl isobut... | 314 | C18H34O4 | 1000324-48-0 | 59 |



# Library Search Compound Report

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Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

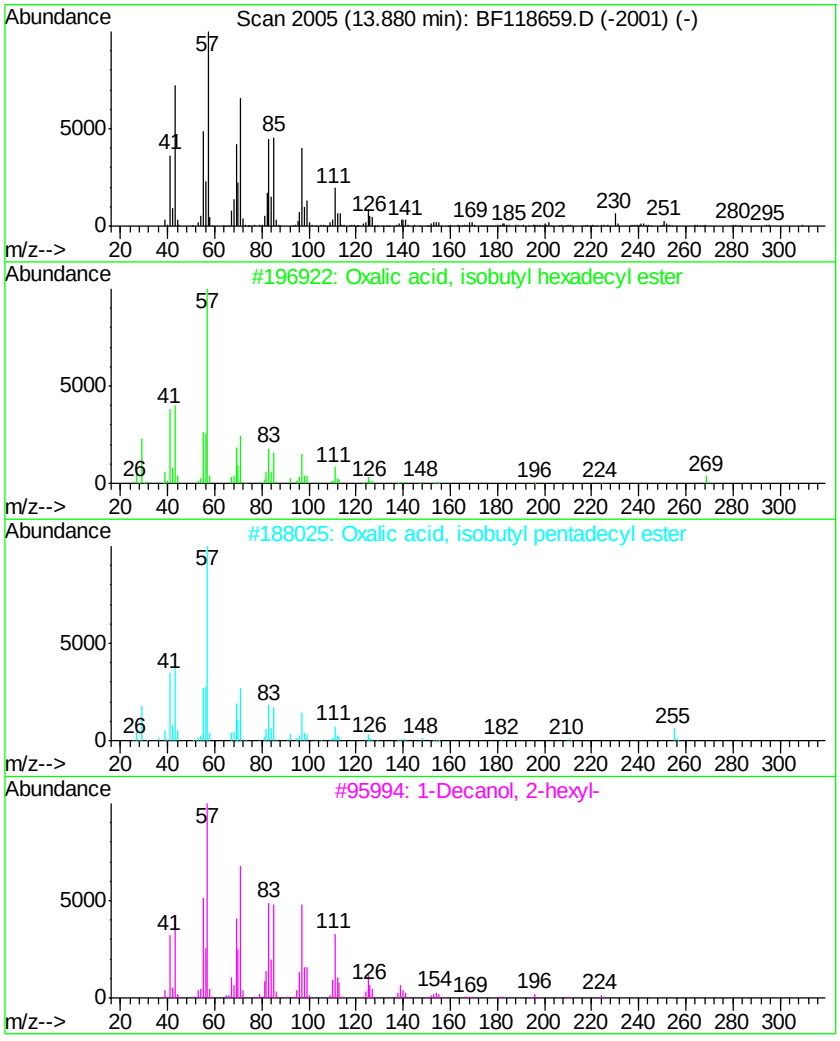
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

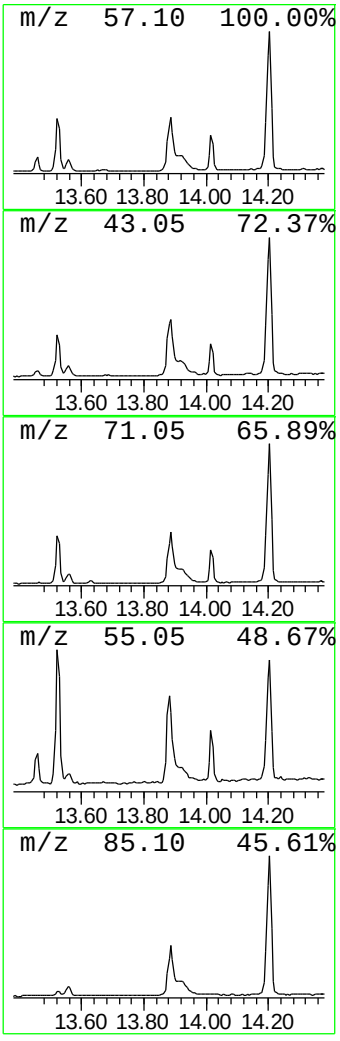
**********

Peak Number 7 Oxalic acid, isobutyl hexad... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.88 | 9.58 ng | 1482860 | Chrysene-d12 | 14.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4 | 1000309-38-1 | 91 |
| 2 | Oxalic acid, isobutyl pentadecyl... | 356 | C21H40O4 | 1000309-38-0 | 91 |
| 3 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 91 |
| 4 | Ethanol, 2-(hexadecyloxy)- | 286 | C18H38O2 | 002136-71-2 | 91 |
| 5 | Oxalic acid, isobutyl octadecyl ... | 398 | C24H46O4 | 1000309-38-3 | 91 |



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Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

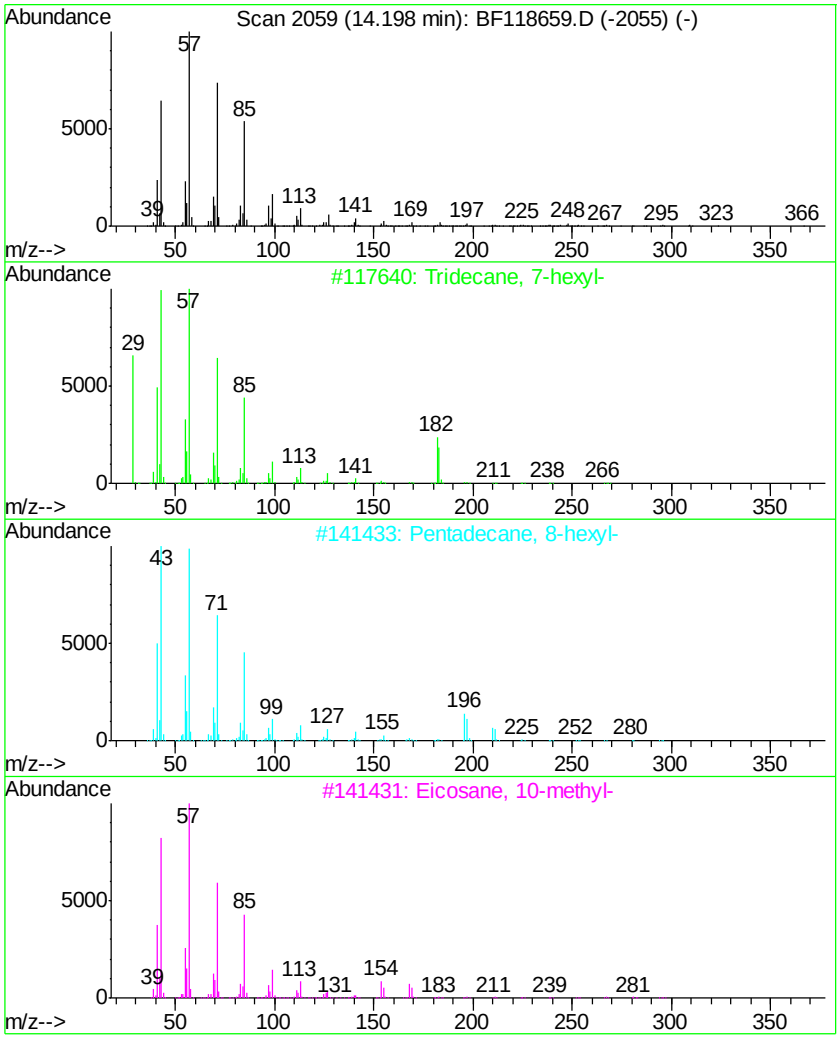
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

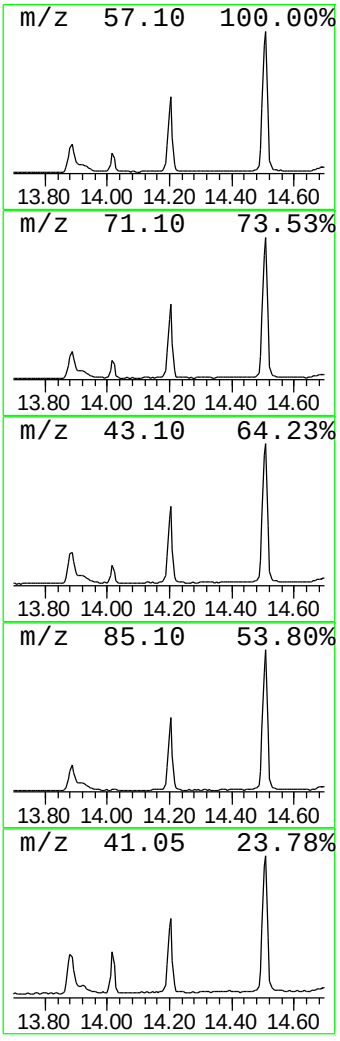
**********

Peak Number 8 Tridecane, 7-hexyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.20 | 9.28 ng | 1435480 | Chrysene-d12 | 14.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 7-hexyl- | 268 | C19H40 | 007225-66-3 | 94 |
| 2 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 94 |
| 3 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 93 |
| 4 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

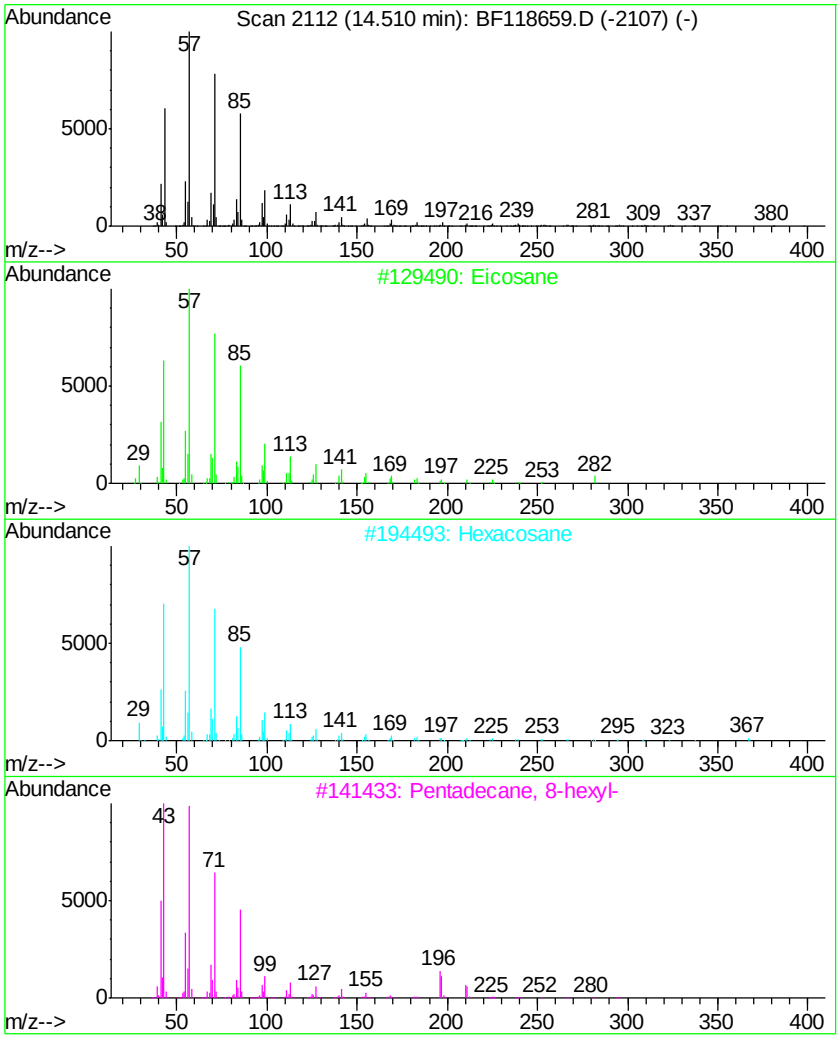
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

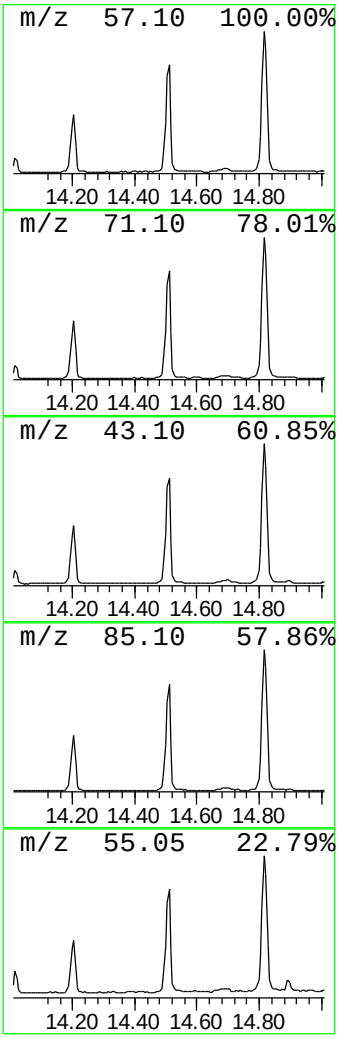
**********

Peak Number 9 Eicosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.51 | 18.87 ng | 2919940 | Chrysene-d12 | 14.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 98 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 94 |
| 3 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 94 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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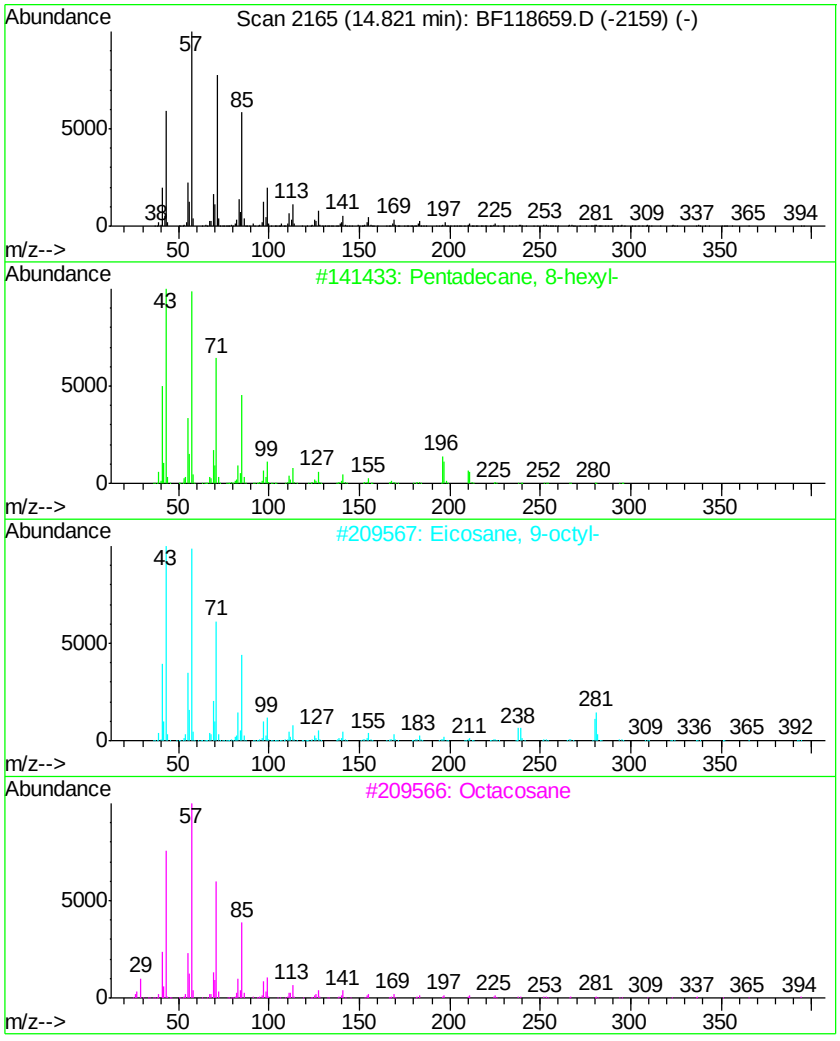
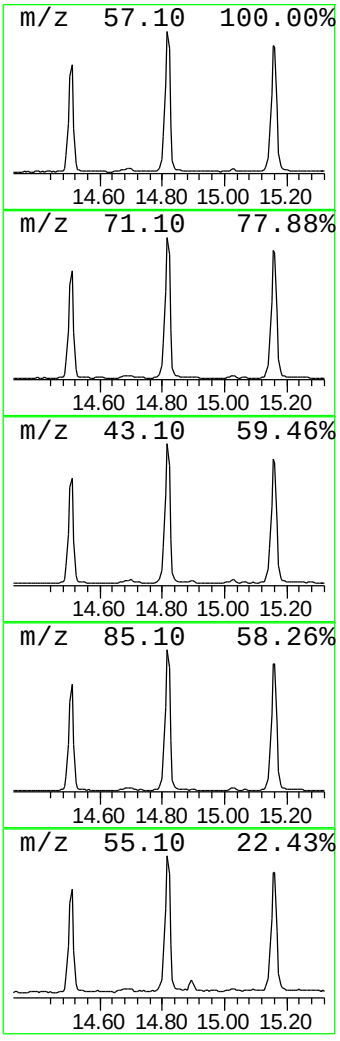
Peak Number 10 Pentadecane, 8-hexyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.82 | 32.39 ng | 4306820 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 94 |
| 2 | Eicosane, 9-octyl- | 394 | C28H58 | 013475-77-9 | 94 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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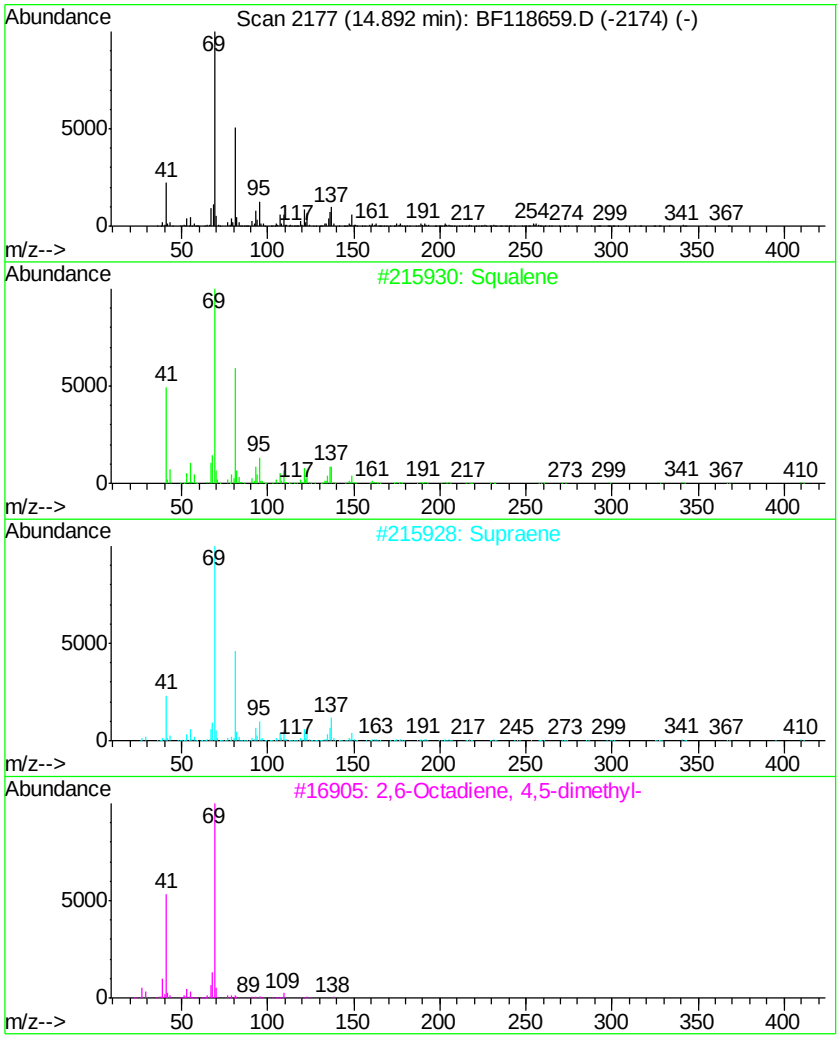
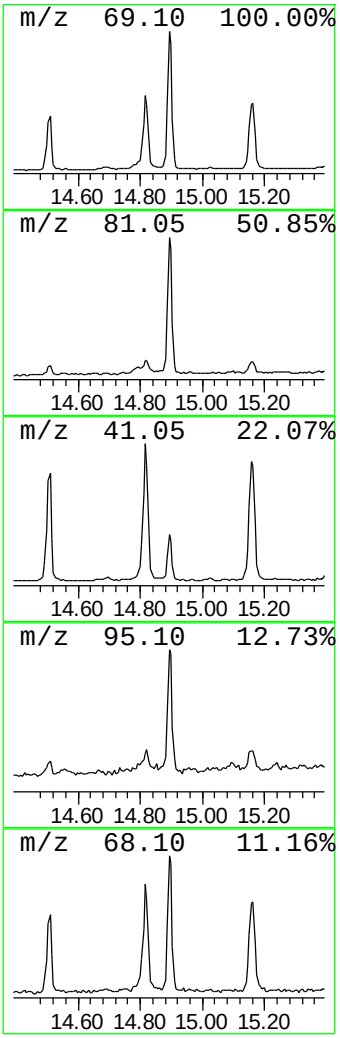
Peak Number 11 Squalene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.89 | 6.27 ng | 833208 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Squalene | 410 | C30H50 | 000111-02-4 | 91 |
| 2 | Supraene | 410 | C30H50 | 007683-64-9 | 91 |
| 3 | 2,6-Octadiene, 4,5-dimethyl- | 138 | C10H18 | 018476-57-8 | 50 |
| 4 | 2,6-Octadiene, 4-methyl- | 124 | C9H16 | 074498-94-5 | 50 |
| 5 | 1,5-Heptadiene, 3,3-dimethyl-, (E)- | 124 | C9H16 | 067682-47-7 | 50 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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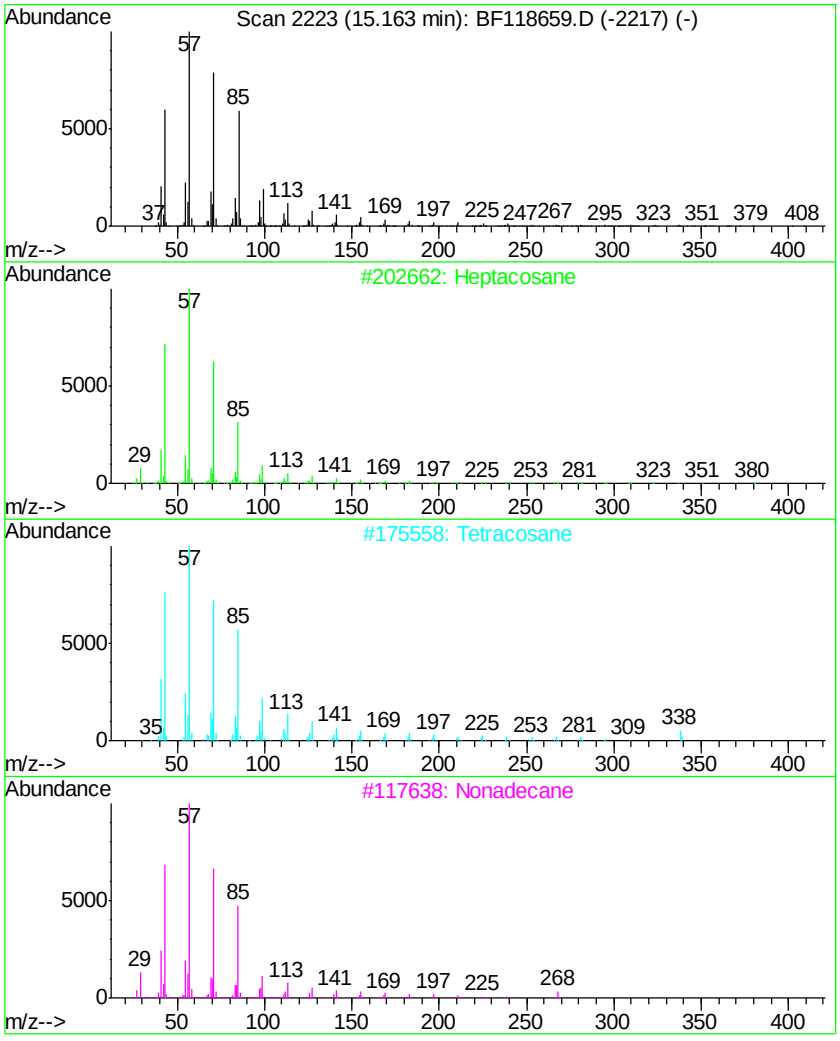
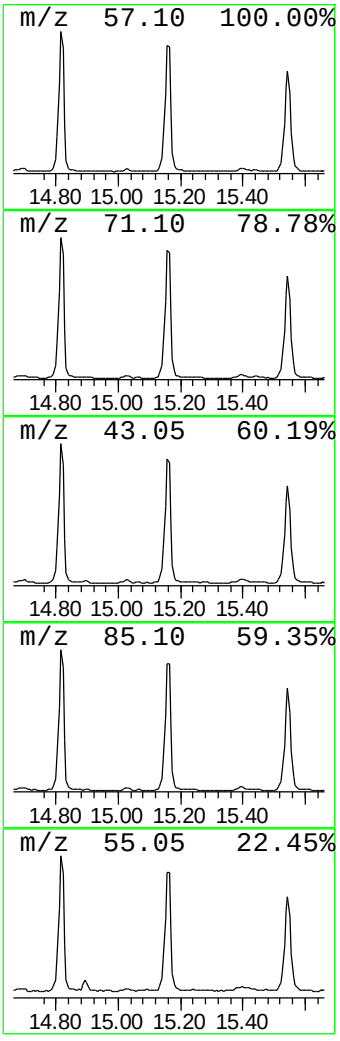
Peak Number 12 Heptacosane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.16 | 33.18 ng | 4410790 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 99 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 96 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 94 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 94 |
| 5 | Octadecane, 2-methyl- | 268 | C19H40 | 001560-88-9 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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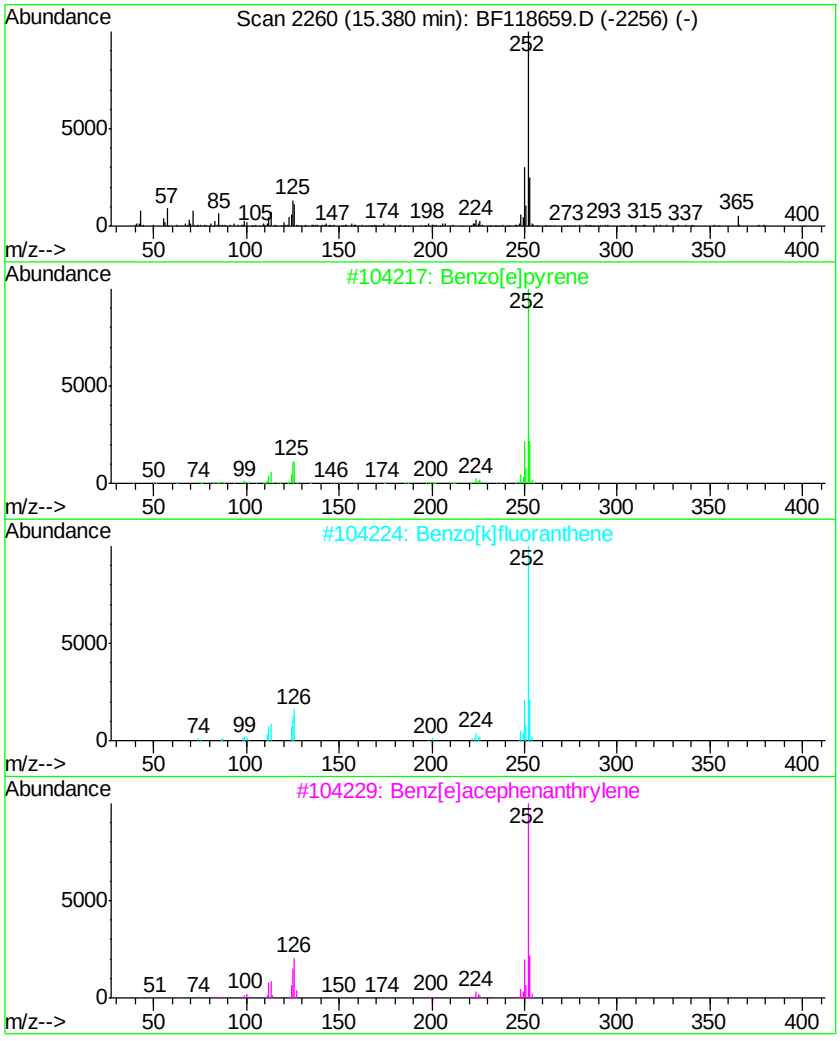
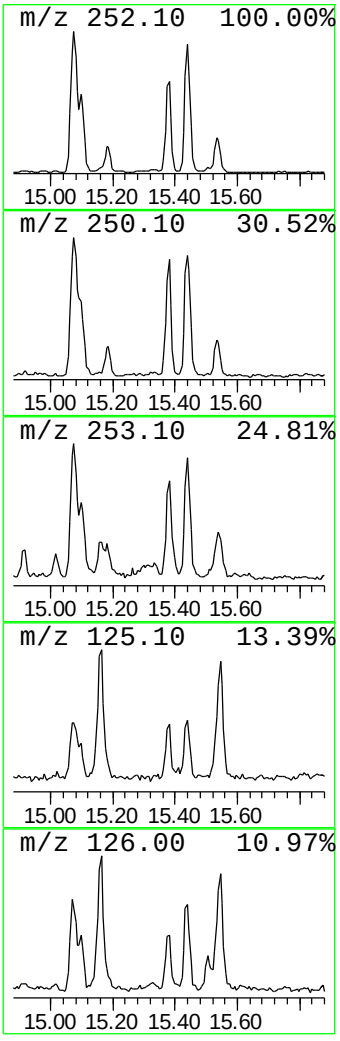
Peak Number 13 Benzo[e]pyrene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.38 | 3.01 ng | 400239 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 97 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 3 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 94 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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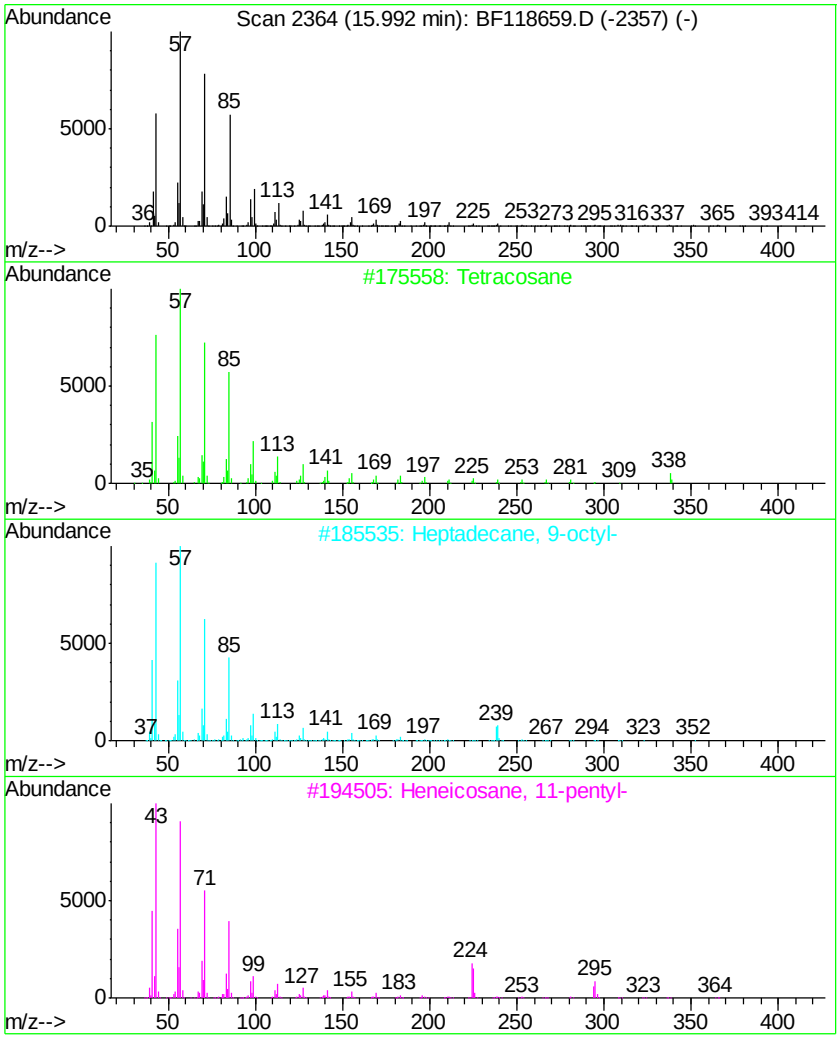
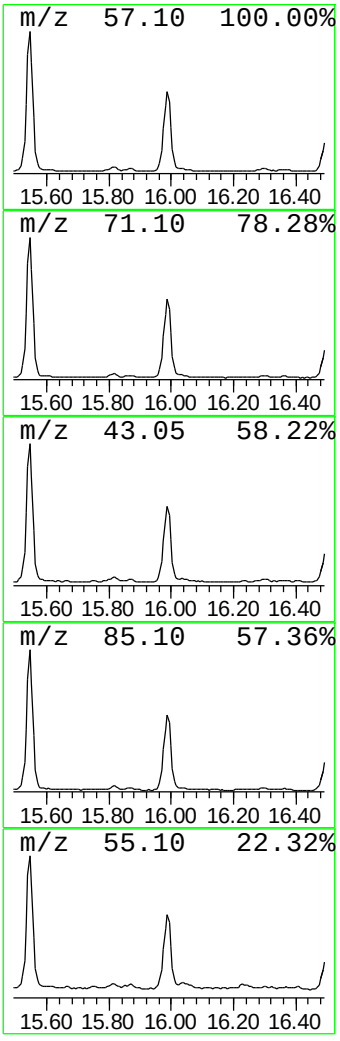
Peak Number 15 Tetracosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.99 | 17.56 ng | 2334380 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 98 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 95 |
| 3 | Heneicosane, 11-pentyl- | 366 | C26H54 | 014739-72-1 | 93 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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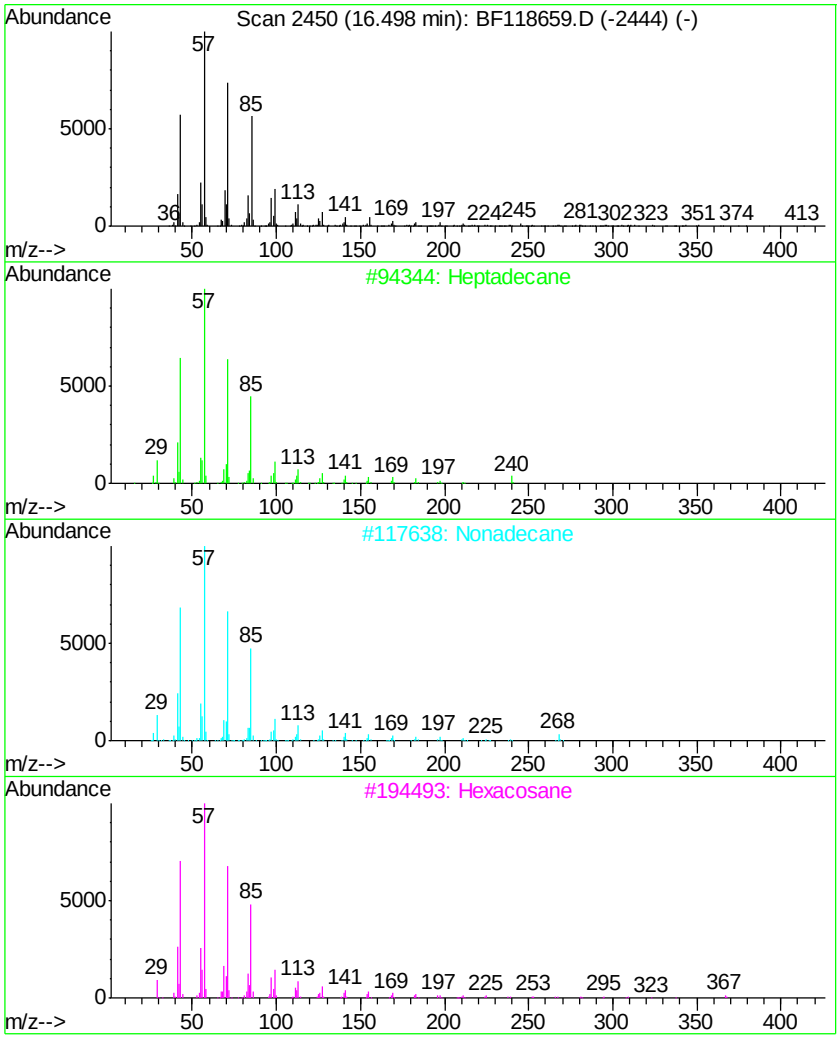
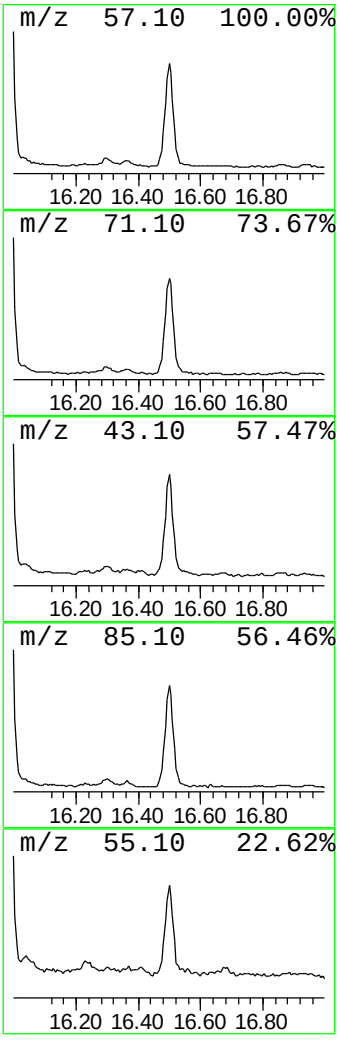
Peak Number 16 Heptadecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.50 | 8.78 ng | 1167430 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 94 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 93 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 4 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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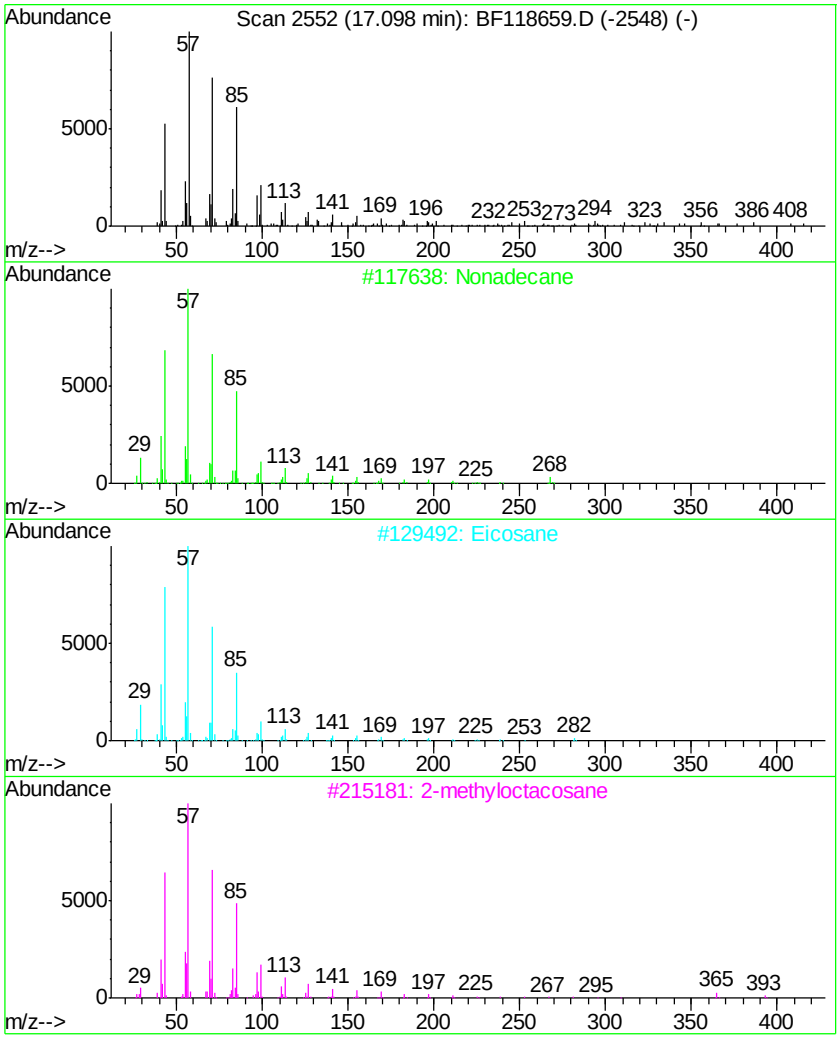
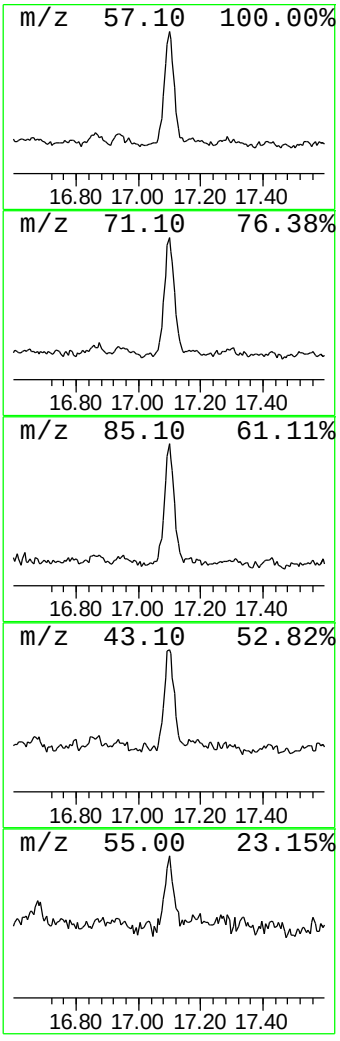
Peak Number 17 Nonadecane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.10 | 2.12 ng | 281574 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 93 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012120\
Data File : BF118659.D
Acq On : 22 Jan 2020 11:07
Operator : CG/JU
Sample : L1106-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CIY1-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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... | 2.18 | 28.8 | ng | 3090410 | 1 | 6.88 | 2149500 | 20.0 |
| 2-Pentanone, 4-hy... | 5.10 | 17.6 | ng | 1894010 | 1 | 6.88 | 2149500 | 20.0 |
| unknown6.65 | 6.65 | 83.0 | ng | 8922590 | 1 | 6.88 | 2149500 | 20.0 |
| n-Hexadecanoic acid | 11.92 | 5.0 | ng | 588605 | 4 | 11.40 | 2349700 | 20.0 |
| Hexanedioic acid,... | 13.52 | 6.7 | ng | 1036730 | 5 | 14.03 | 3094710 | 20.0 |
| Oxalic acid, isob... | 13.88 | 9.6 | ng | 1482860 | 5 | 14.03 | 3094710 | 20.0 |
| Tridecane, 7-hexyl- | 14.20 | 9.3 | ng | 1435480 | 5 | 14.03 | 3094710 | 20.0 |
| Eicosane | 14.51 | 18.9 | ng | 2919940 | 5 | 14.03 | 3094710 | 20.0 |
| Pentadecane, 8-he... | 14.82 | 32.4 | ng | 4306820 | 6 | 15.51 | 2659020 | 20.0 |
| Squalene | 14.89 | 6.3 | ng | 833208 | 6 | 15.51 | 2659020 | 20.0 |
| Heptacosane | 15.16 | 33.2 | ng | 4410790 | 6 | 15.51 | 2659020 | 20.0 |
| Benzo[e]pyrene | 15.38 | 3.0 | ng | 400239 | 6 | 15.51 | 2659020 | 20.0 |
| Tetracosane | 15.99 | 17.6 | ng | 2334380 | 6 | 15.51 | 2659020 | 20.0 |
| Heptadecane | 16.50 | 8.8 | ng | 1167430 | 6 | 15.51 | 2659020 | 20.0 |
| Nonadecane | 17.10 | 2.1 | ng | 281574 | 6 | 15.51 | 2659020 | 20.0 |