LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

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-BF012519.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 | 5.040 | 499 | 502 | 514 | rBV | 52015 | 67146 | 1.86% | 0.196% |
| 2 | 5.469 | 571 | 575 | 598 | rBV | 929022 | 1238693 | 34.38% | 3.625% |
| 3 | 6.493 | 745 | 749 | 766 | rBV | 591457 | 1380222 | 38.31% | 4.039% |
| 4 | 6.610 | 766 | 769 | 776 | rVV | 1428768 | 1479436 | 41.07% | 4.329% |
| 5 | 6.675 | 776 | 780 | 793 | rVB | 665224 | 715374 | 19.86% | 2.093% |
| 6 | 6.828 | 803 | 806 | 814 | rVB | 557250 | 484086 | 13.44% | 1.417% |
| 7 | 6.987 | 829 | 833 | 848 | rVB | 1433189 | 1155428 | 32.07% | 3.381% |
| 8 | 7.393 | 898 | 902 | 915 | rBV | 889065 | 872816 | 24.23% | 2.554% |
| 9 | 7.875 | 977 | 984 | 990 | rBV | 43279 | 58669 | 1.63% | 0.172% |
| 10 | 8.110 | 1021 | 1024 | 1038 | rVB | 645737 | 711784 | 19.76% | 2.083% |
| 11 | 8.487 | 1083 | 1088 | 1108 | rBV | 162240 | 329320 | 9.14% | 0.964% |
| 12 | 8.828 | 1143 | 1146 | 1150 | rBV | 43880 | 39243 | 1.09% | 0.115% |
| 13 | 8.928 | 1157 | 1163 | 1166 | rBV2 | 38666 | 57473 | 1.60% | 0.168% |
| 14 | 9.187 | 1203 | 1207 | 1210 | rBV | 2359472 | 1983128 | 55.05% | 5.803% |
| 15 | 9.298 | 1222 | 1226 | 1229 | rVB2 | 41790 | 51796 | 1.44% | 0.152% |
| 16 | 9.581 | 1271 | 1274 | 1278 | rVB | 76715 | 66350 | 1.84% | 0.194% |
| 17 | 9.869 | 1317 | 1323 | 1327 | rBV2 | 948181 | 838318 | 23.27% | 2.453% |
| 18 | 9.904 | 1327 | 1329 | 1335 | rVB2 | 62249 | 57806 | 1.60% | 0.169% |
| 19 | 10.075 | 1355 | 1358 | 1362 | rBV | 169805 | 165099 | 4.58% | 0.483% |
| 20 | 10.575 | 1440 | 1443 | 1449 | rVB | 50143 | 54341 | 1.51% | 0.159% |
| 21 | 10.663 | 1454 | 1458 | 1464 | rBV | 1354492 | 1355740 | 37.63% | 3.967% |
| 22 | 10.792 | 1477 | 1480 | 1485 | rVB3 | 41275 | 61628 | 1.71% | 0.180% |
| 23 | 11.092 | 1528 | 1531 | 1534 | rBV3 | 25844 | 37265 | 1.03% | 0.109% |
| 24 | 11.175 | 1541 | 1545 | 1550 | rBV | 1113004 | 1175946 | 32.64% | 3.441% |
| 25 | 11.257 | 1554 | 1559 | 1562 | rVB | 126267 | 129689 | 3.60% | 0.379% |
| 26 | 11.298 | 1562 | 1566 | 1569 | rBV | 591007 | 455833 | 12.65% | 1.334% |
| 27 | 11.363 | 1573 | 1577 | 1579 | rBV | 1024584 | 1033553 | 28.69% | 3.024% |
| 28 | 11.386 | 1579 | 1581 | 1585 | rVV | 2546245 | 2199635 | 61.06% | 6.436% |
| 29 | 11.422 | 1585 | 1587 | 1592 | rVB | 67272 | 68267 | 1.89% | 0.200% |
| 30 | 11.592 | 1610 | 1616 | 1619 | rBV | 3725403 | 3602620 | 100.00% | 10.542% |
| 31 | 11.639 | 1621 | 1624 | 1631 | rVB5 | 65116 | 110344 | 3.06% | 0.323% |
| 32 | 11.704 | 1631 | 1635 | 1639 | rBV2 | 103885 | 105502 | 2.93% | 0.309% |
| 33 | 11.828 | 1653 | 1656 | 1659 | rBV | 160898 | 124759 | 3.46% | 0.365% |
| 34 | 11.886 | 1659 | 1666 | 1672 | rBV3 | 1123659 | 1522971 | 42.27% | 4.456% |

LSC Area Percent Report

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Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.975 | 1678 | 1681 | 1683 | rBV | 63453 | 68882 | 1.91% | 0.202% |
| 36 | 11.998 | 1683 | 1685 | 1690 | rVB | 109991 | 98138 | 2.72% | 0.287% |
| 37 | 12.045 | 1690 | 1693 | 1696 | rBV | 80146 | 73099 | 2.03% | 0.214% |
| 38 | 12.157 | 1709 | 1712 | 1715 | rBV2 | 127932 | 139270 | 3.87% | 0.408% |
| 39 | 12.198 | 1715 | 1719 | 1728 | rVB2 | 570998 | 643196 | 17.85% | 1.882% |
| 40 | 12.392 | 1749 | 1752 | 1754 | rBV | 76220 | 70463 | 1.96% | 0.206% |
| 41 | 12.433 | 1757 | 1759 | 1763 | rVB | 127899 | 105650 | 2.93% | 0.309% |
| 42 | 12.475 | 1763 | 1766 | 1769 | rBV5 | 41353 | 43545 | 1.21% | 0.127% |
| 43 | 12.510 | 1769 | 1772 | 1776 | rBV2 | 162454 | 157205 | 4.36% | 0.460% |
| 44 | 12.580 | 1780 | 1784 | 1792 | rBV | 970851 | 1231799 | 34.19% | 3.604% |
| 45 | 12.669 | 1795 | 1799 | 1804 | rVV | 655155 | 703608 | 19.53% | 2.059% |
| 46 | 12.722 | 1804 | 1808 | 1817 | rVV8 | 82057 | 225705 | 6.27% | 0.660% |
| 47 | 12.810 | 1817 | 1823 | 1828 | rVV3 | 452836 | 495335 | 13.75% | 1.449% |
| 48 | 12.945 | 1841 | 1846 | 1851 | rBV | 2683538 | 2472154 | 68.62% | 7.234% |
| 49 | 13.110 | 1872 | 1874 | 1877 | rVB3 | 47222 | 43039 | 1.19% | 0.126% |
| 50 | 13.157 | 1879 | 1882 | 1885 | rVB | 146053 | 132348 | 3.67% | 0.387% |
| 51 | 13.274 | 1899 | 1902 | 1906 | rBV3 | 67890 | 68308 | 1.90% | 0.200% |
| 52 | 13.504 | 1937 | 1941 | 1944 | rBV2 | 134629 | 138036 | 3.83% | 0.404% |
| 53 | 13.827 | 1990 | 1996 | 2001 | rBV3 | 280153 | 398873 | 11.07% | 1.167% |
| 54 | 13.904 | 2007 | 2009 | 2013 | rBV3 | 58589 | 60357 | 1.68% | 0.177% |
| 55 | 13.963 | 2017 | 2019 | 2022 | rVB | 44547 | 36866 | 1.02% | 0.108% |
| 56 | 14.010 | 2023 | 2027 | 2031 | rBV | 921390 | 896624 | 24.89% | 2.624% |
| 57 | 14.145 | 2047 | 2050 | 2054 | rBV | 118041 | 108027 | 3.00% | 0.316% |
| 58 | 14.233 | 2063 | 2065 | 2070 | rBV4 | 51864 | 59227 | 1.64% | 0.173% |
| 59 | 14.451 | 2099 | 2102 | 2107 | rBV | 179056 | 197072 | 5.47% | 0.577% |
| 60 | 14.751 | 2150 | 2153 | 2158 | rVB | 178179 | 182172 | 5.06% | 0.533% |
| 61 | 15.086 | 2206 | 2210 | 2214 | rVB | 206438 | 229545 | 6.37% | 0.672% |
| 62 | 15.463 | 2270 | 2274 | 2275 | rBV | 160738 | 183518 | 5.09% | 0.537% |
| 63 | 15.492 | 2275 | 2279 | 2288 | rVB | 557238 | 780973 | 21.68% | 2.285% |
| 64 | 15.892 | 2342 | 2347 | 2352 | rVB | 140170 | 194740 | 5.41% | 0.570% |
| 65 | 16.386 | 2426 | 2431 | 2438 | rBV | 84828 | 146463 | 4.07% | 0.429% |

Sum of corrected areas: 34174517

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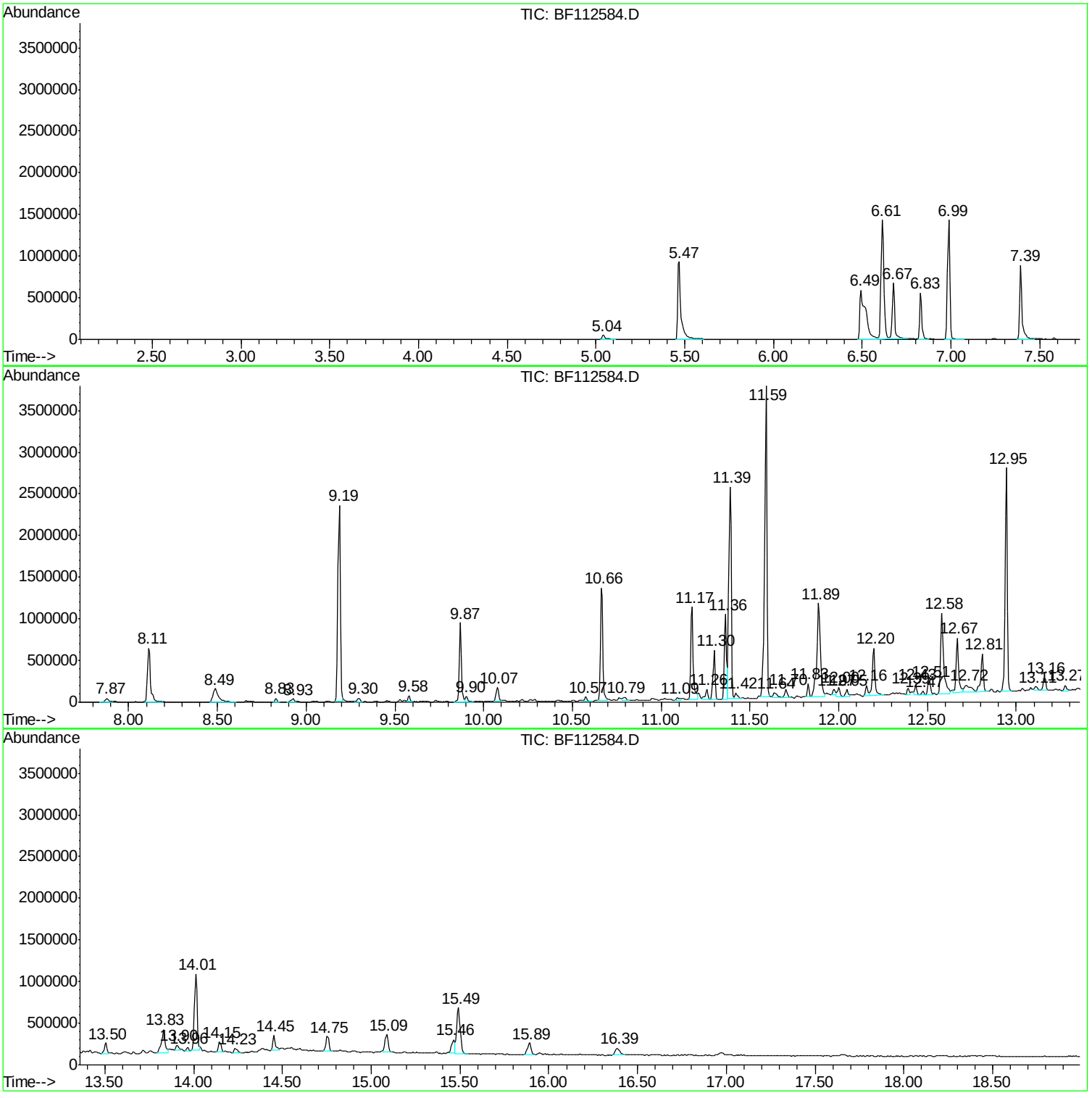
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
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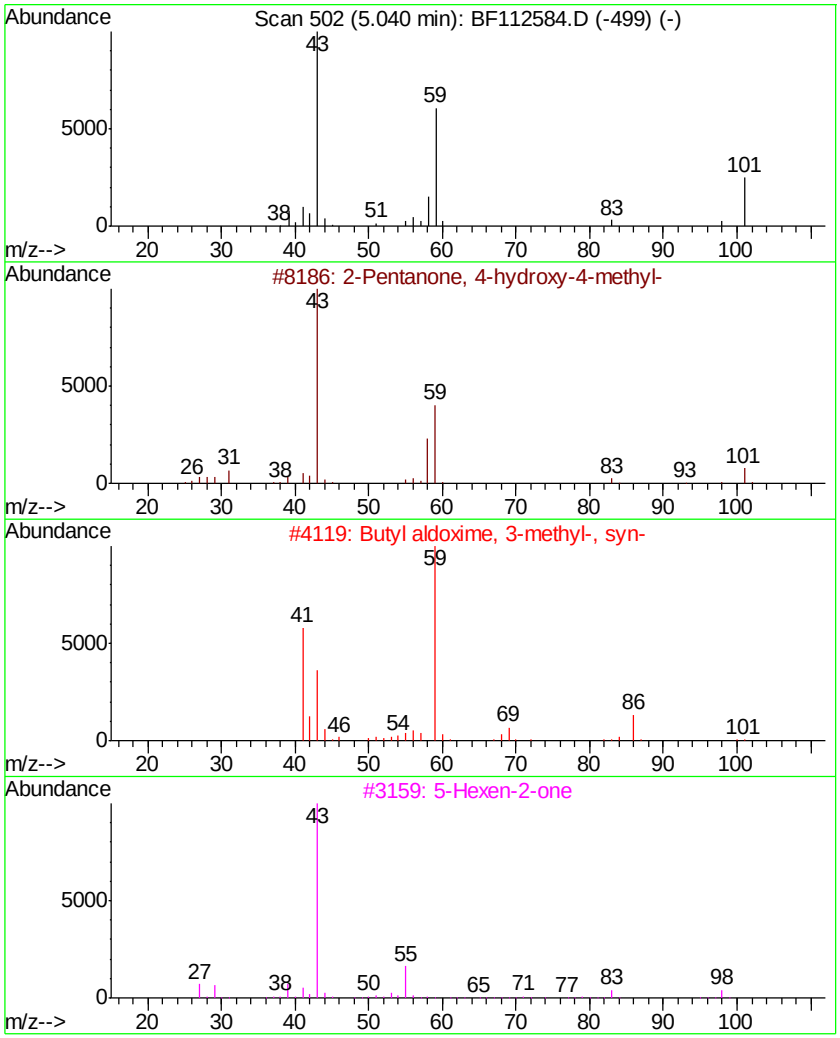
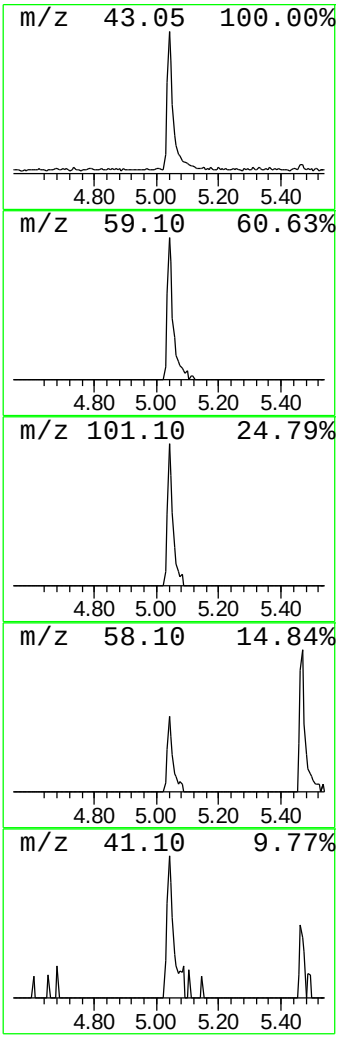
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.04 | 2.77 ng | 67146 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 32 |
| 3 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 4 | Propylamine | 59 | C3H9N | 000107-10-8 | 9 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

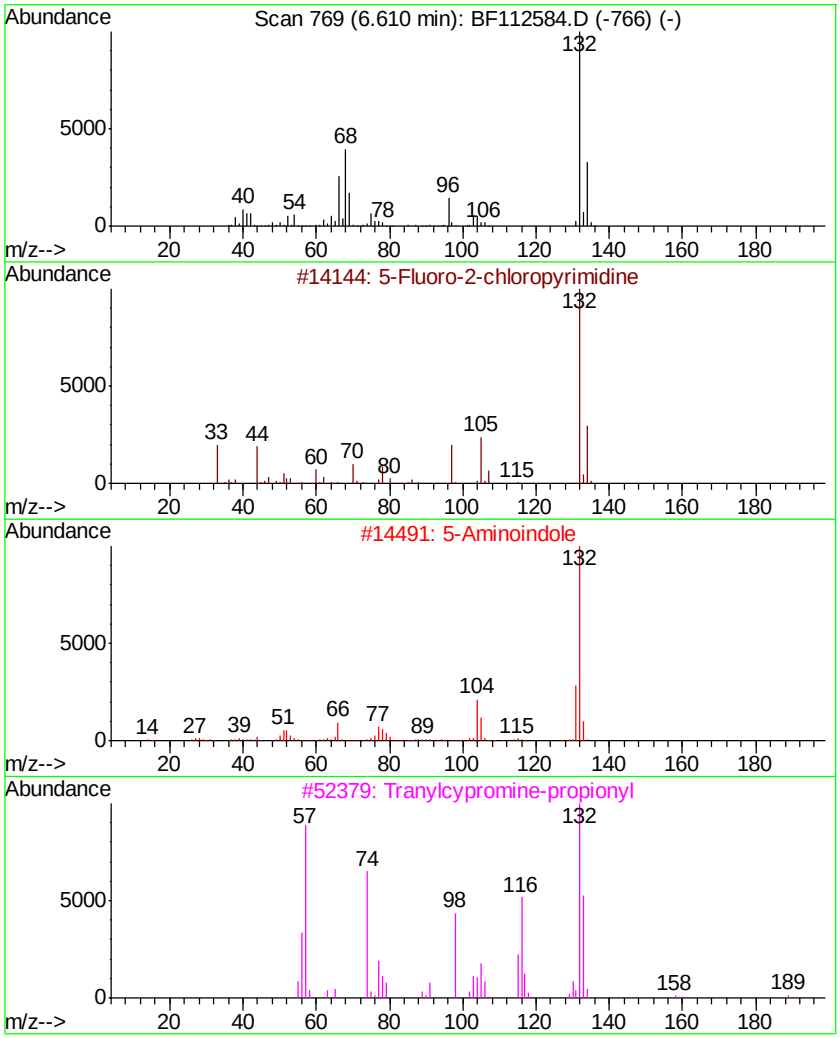
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

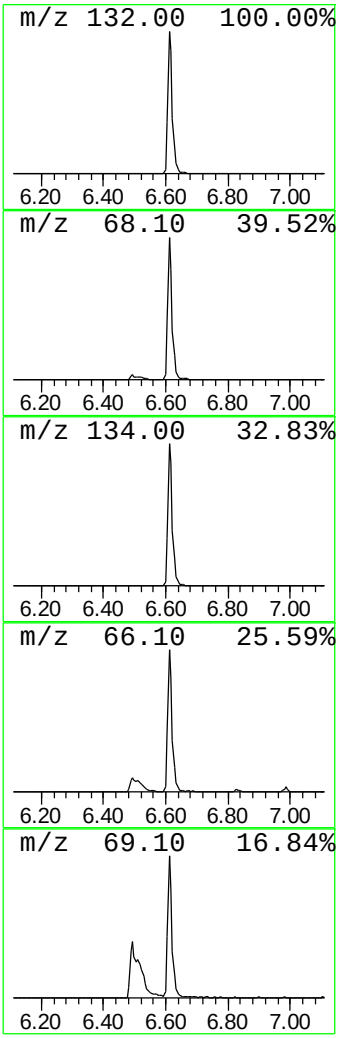
**********

Peak Number 2 unknown6.61 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.61 | 61.12 ng | 1479440 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
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Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

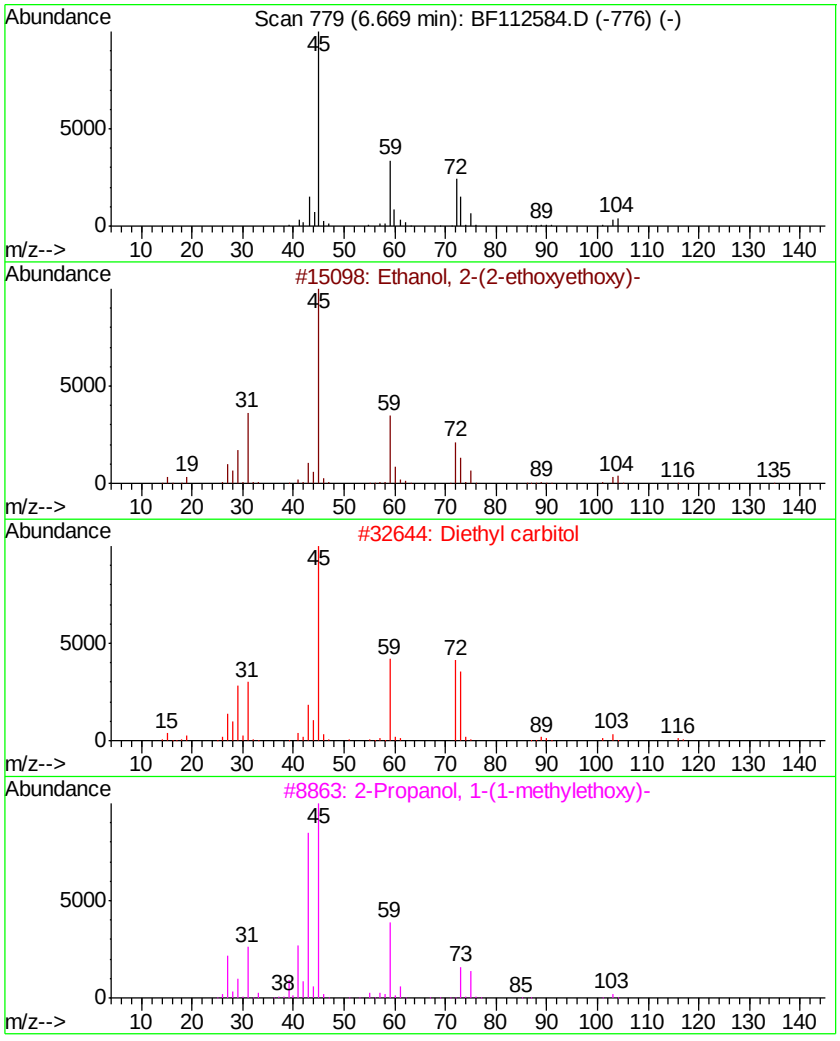
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

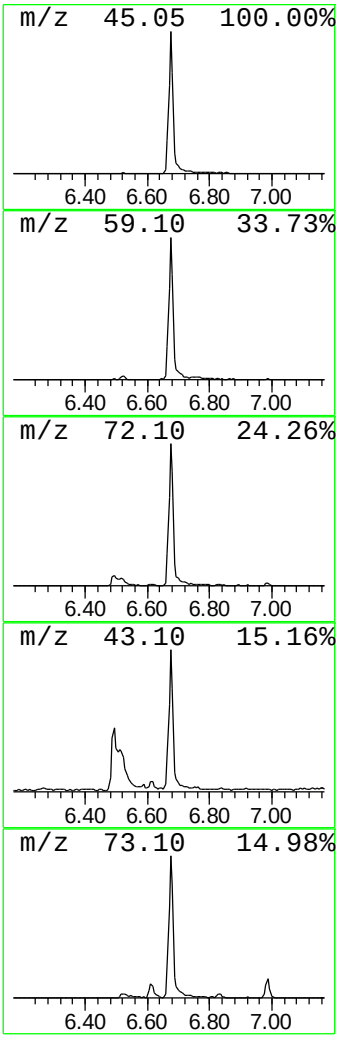
**********

Peak Number 3 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.67 | 29.56 ng | 715374 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 90 |
| 2 | Diethyl carbitol | 162 | C8H18O3 | 000112-36-7 | 72 |
| 3 | 2-Propanol, 1-(1-methylethoxy)- | 118 | C6H14O2 | 003944-36-3 | 45 |
| 4 | Ethanol, 2-(2-methoxyethoxy)- | 120 | C5H12O3 | 000111-77-3 | 42 |
| 5 | Ethanol, 2-[2-(2-ethoxyethoxy)et... | 178 | C8H18O4 | 000112-50-5 | 40 |



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Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

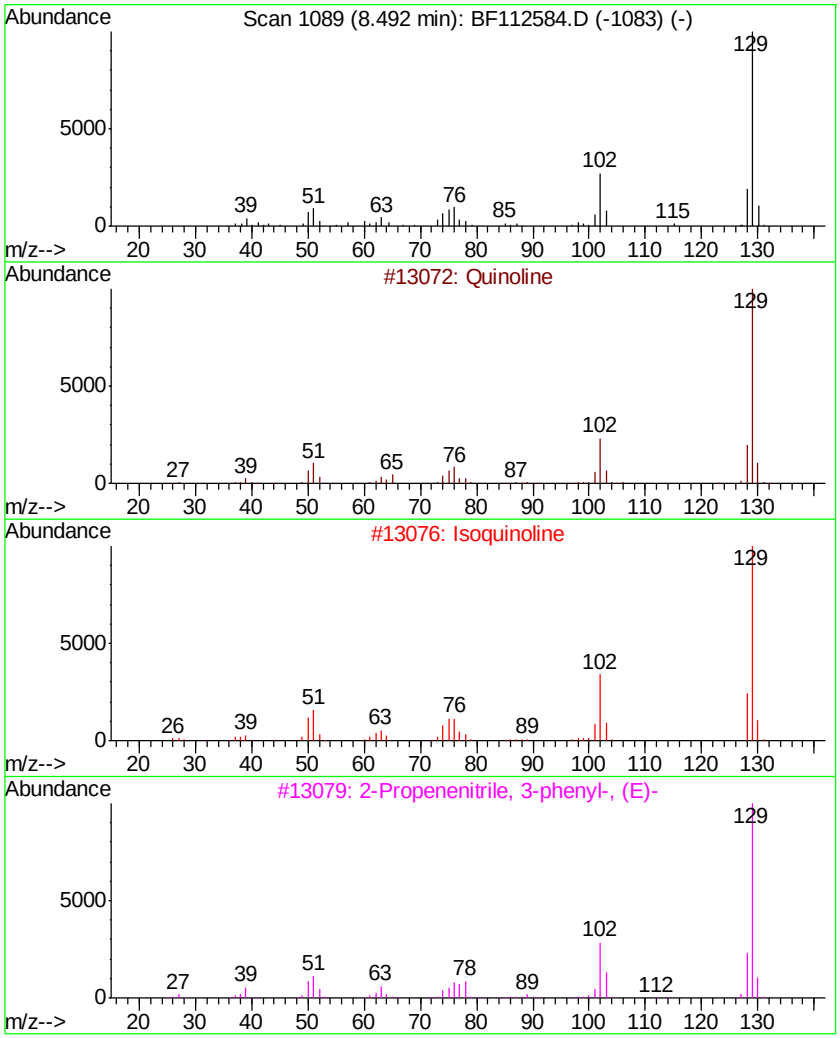
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

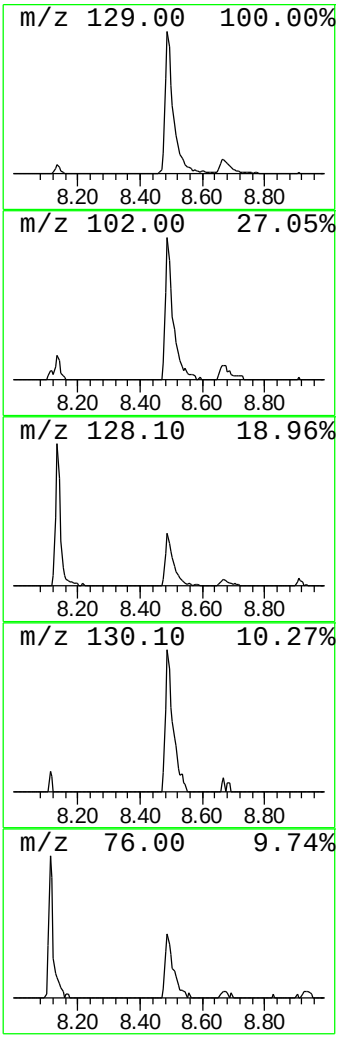
**********

Peak Number 5 Quinoline Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.49 | 9.25 ng | 329320 | Naphthalene-d8 | 8.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Quinoline | 129 | C9H7N | 000091-22-5 | 97 |
| 2 | Isoquinoline | 129 | C9H7N | 000119-65-3 | 95 |
| 3 | 2-Propenenitrile, 3-phenyl-, (E)- | 129 | C9H7N | 001885-38-7 | 90 |
| 4 | Benzeneacetonitrile, .alpha.-met... | 129 | C9H7N | 000495-10-3 | 90 |
| 5 | Pyridine-3,4-dicarbonitrile | 129 | C7H3N3 | 001633-44-9 | 72 |



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Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

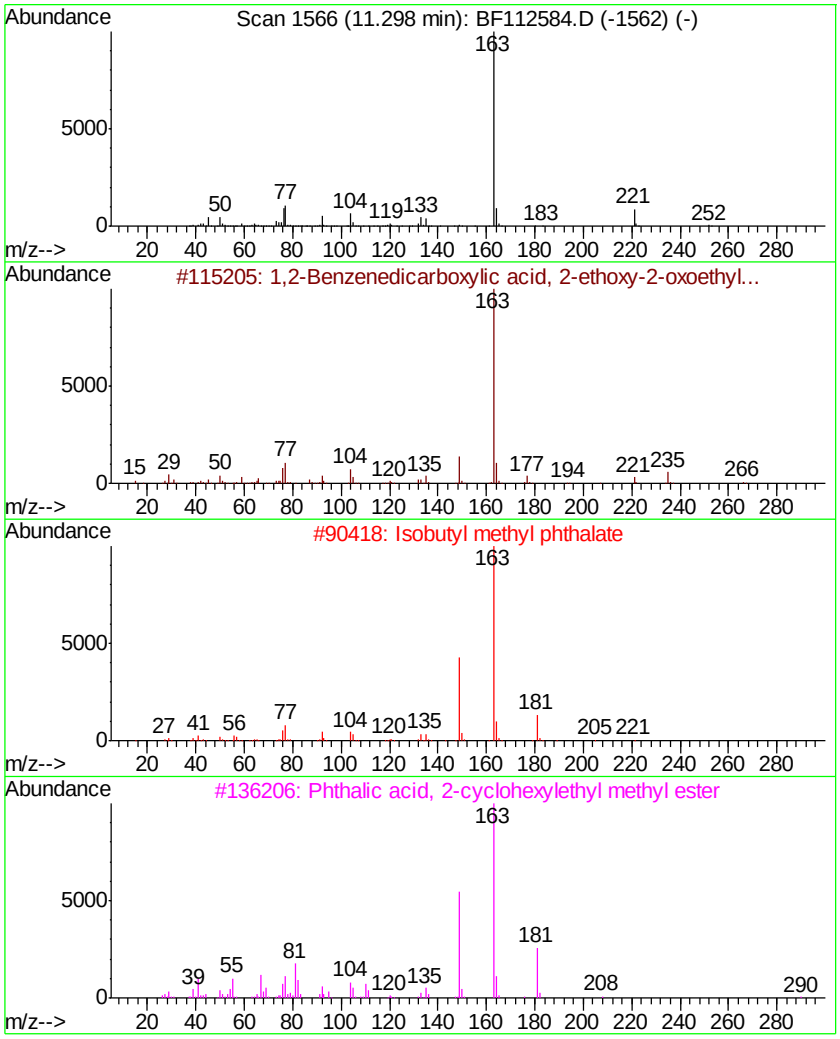
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

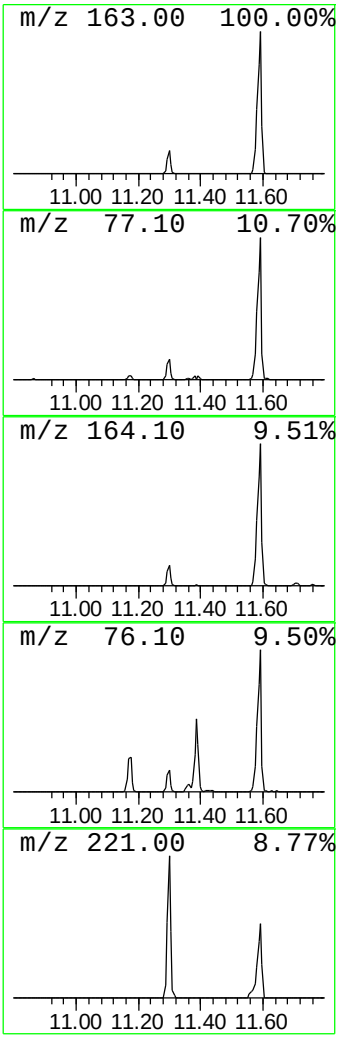
**********

Peak Number 6 1,2-Benzenedicarboxylic aci... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.30 | 8.82 ng | 455833 | Phenanthrene-d10 | 11.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Benzenedicarboxylic acid, 2-... | 266 | C13H14O6 | 000085-71-2 | 83 |
| 2 | Isobutyl methyl phthalate | 236 | C13H16O4 | 1000373-89-3 | 83 |
| 3 | Phthalic acid, 2-cyclohexylethyl... | 290 | C17H22O4 | 1000309-03-4 | 83 |
| 4 | Phthalic acid, 4-bromophenyl met... | 334 | C15H11BrO4 | 1000315-66-6 | 83 |
| 5 | Phthalic acid, methyl phenyl ester | 256 | C15H12O4 | 1000315-59-8 | 78 |



Library Search Compound Report

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Operator : JU/SJ
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Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

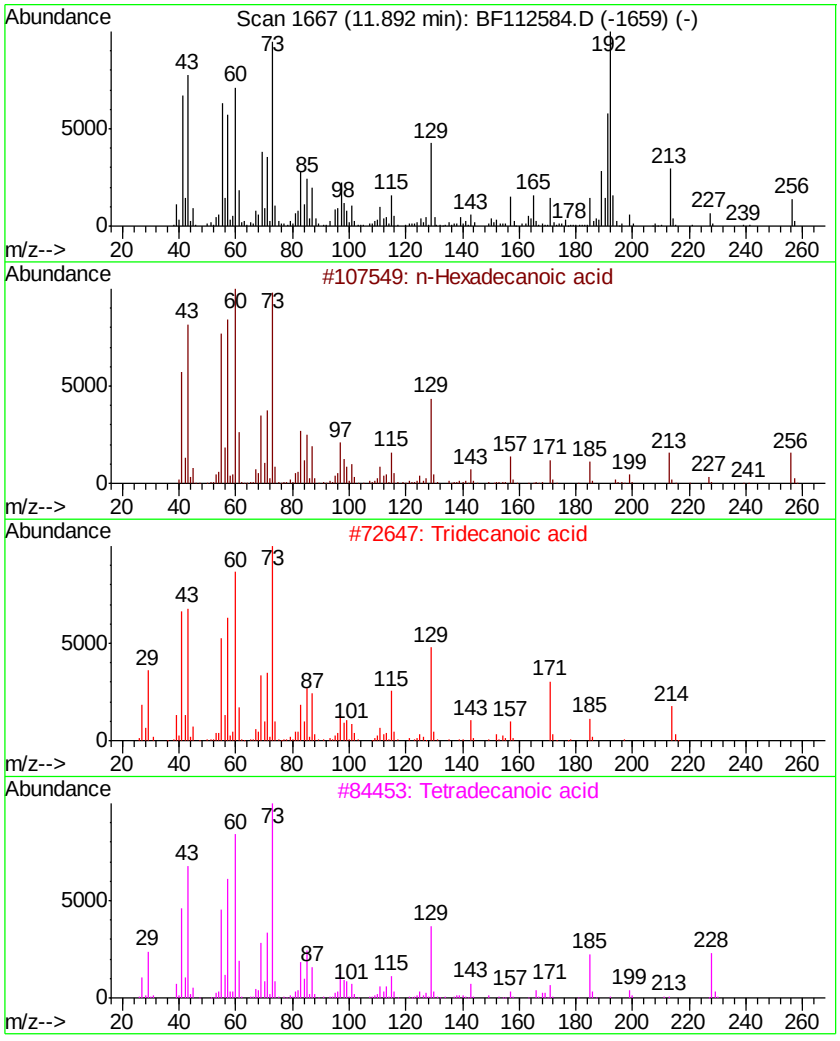
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

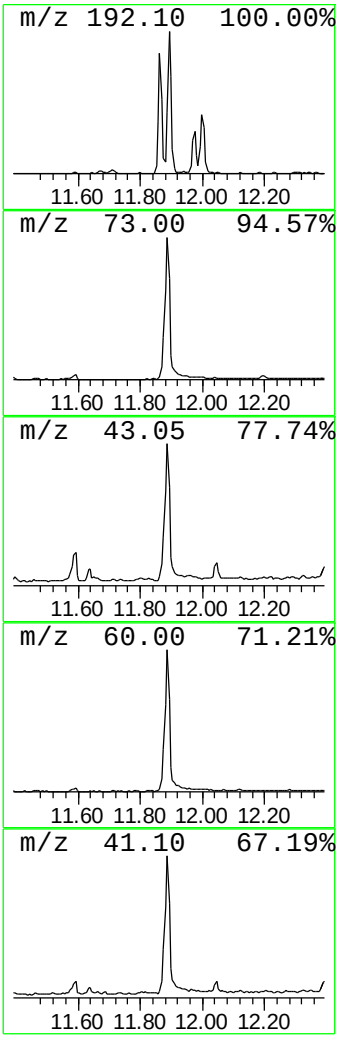
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.89 | 29.47 ng | 1522970 | Phenanthrene-d10 | 11.36 |

| 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 | 95 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 89 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 89 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 64 |



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Misc :
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**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

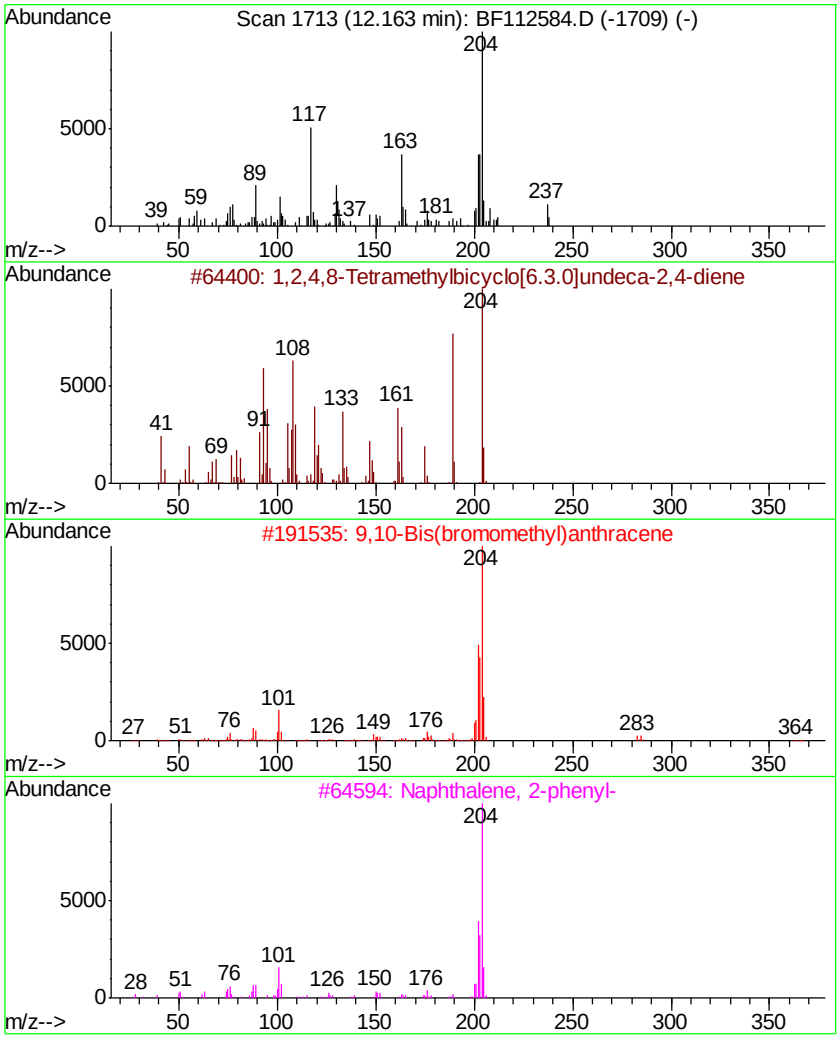
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

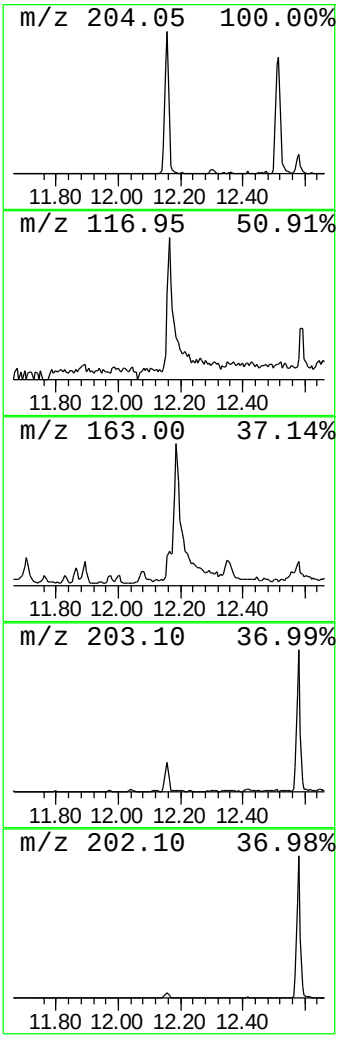
**********

Peak Number 8 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.16 | 2.69 ng | 139270 | Phenanthrene-d10 | 11.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 83 |
| 2 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 83 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 78 |
| 4 | 6-Phenylbenzocycloheptен-7-one | 232 | C17H12O | 093327-56-1 | 72 |
| 5 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 72 |



# Library Search Compound Report

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Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

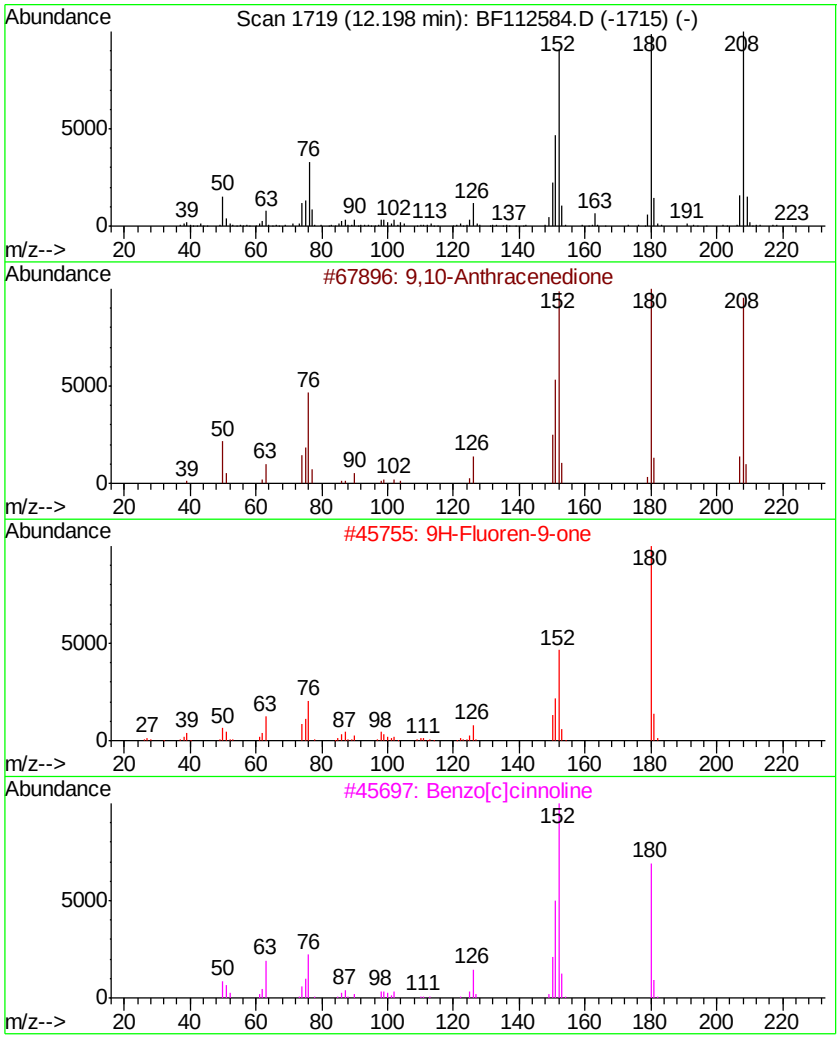
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

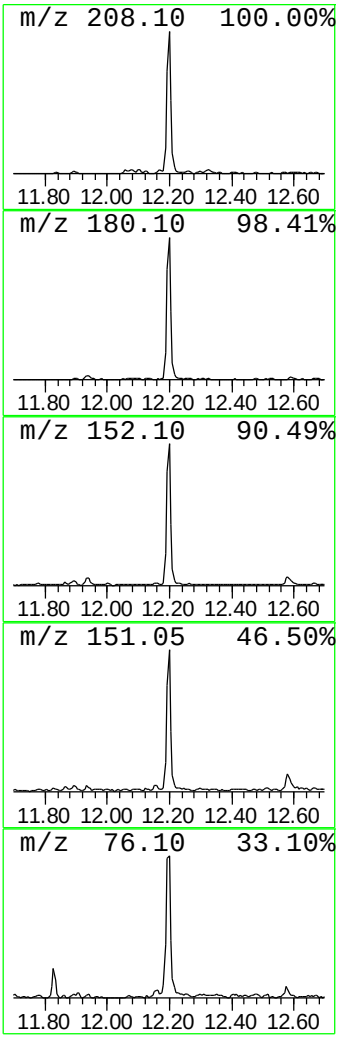
**********

Peak Number 9 9,10-Anthracenedione Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.20 | 12.45 ng | 643196 | Phenanthrene-d10 | 11.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 97 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 70 |
| 3 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 70 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 60 |
| 5 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 60 |



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Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

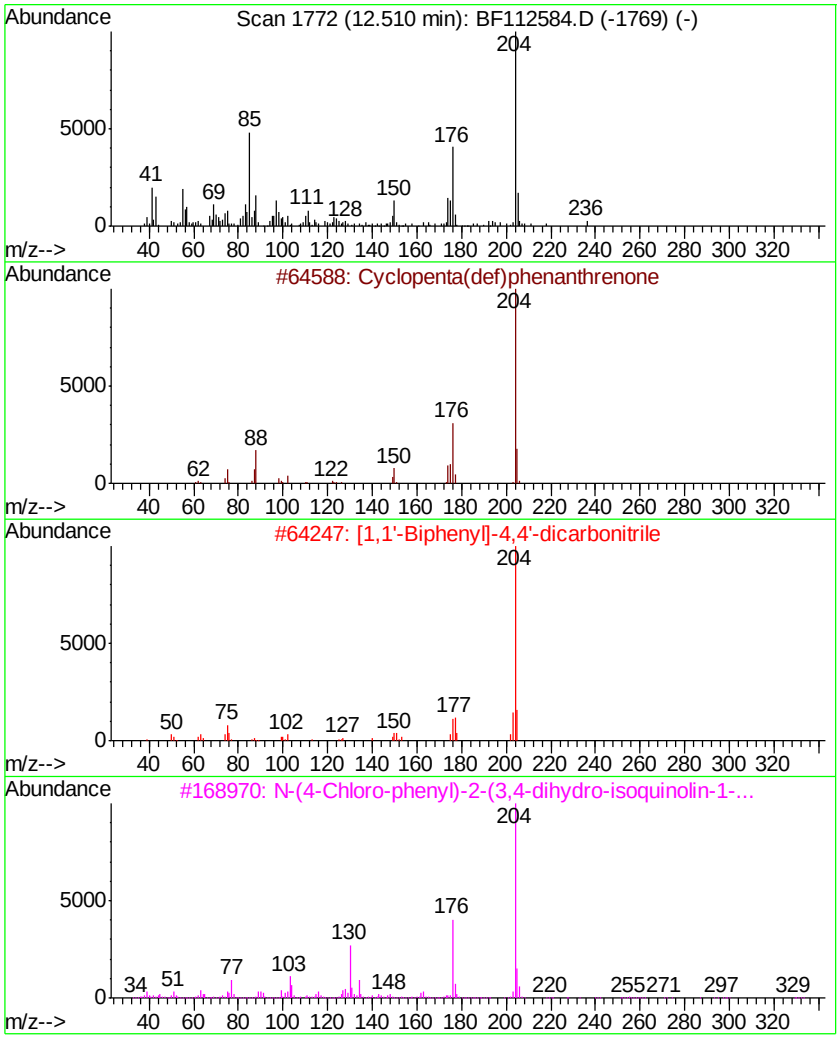
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

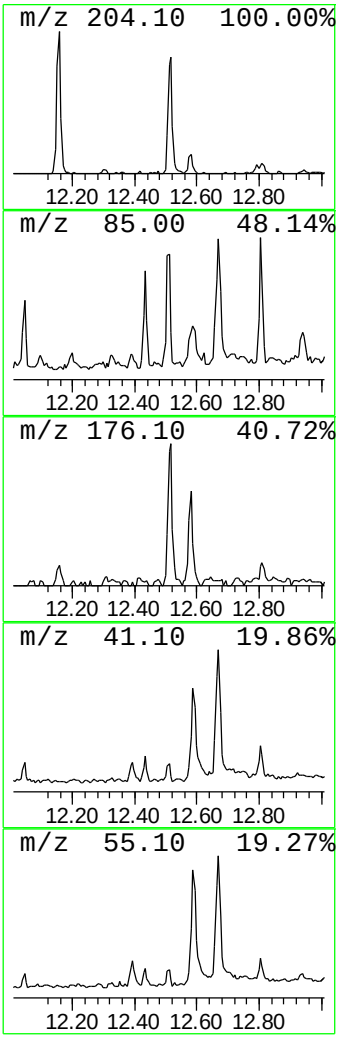
**********

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.51 | 3.04 ng | 157205 | Phenanthrene-d10 | 11.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 96 |
| 2 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 43 |
| 3 | N-(4-Chloro-phenyl)-2-(3,4-dihyd... | 330 | C17H15ClN2OS | 1000296-34-3 | 38 |
| 4 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 38 |
| 5 | [1,2,4]Triazolo[5,1-b]quinazolin... | 204 | C10H12N4O | 1000337-56-5 | 37 |



# Library Search Compound Report

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Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

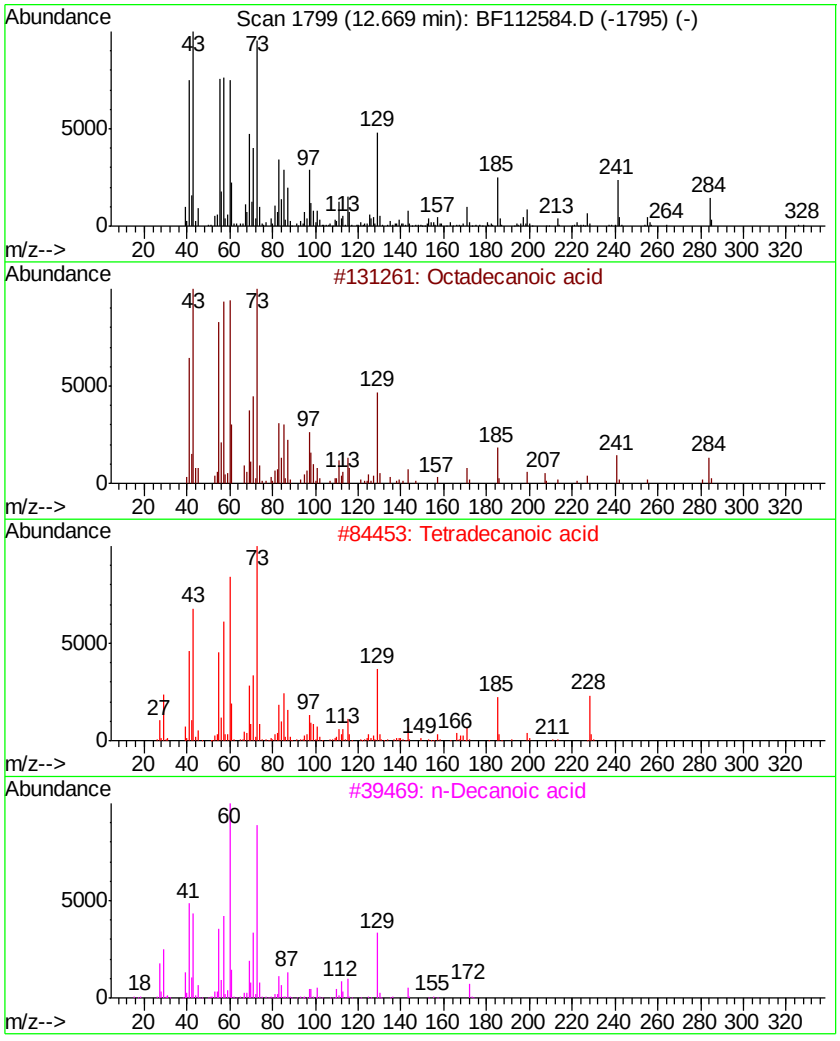
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

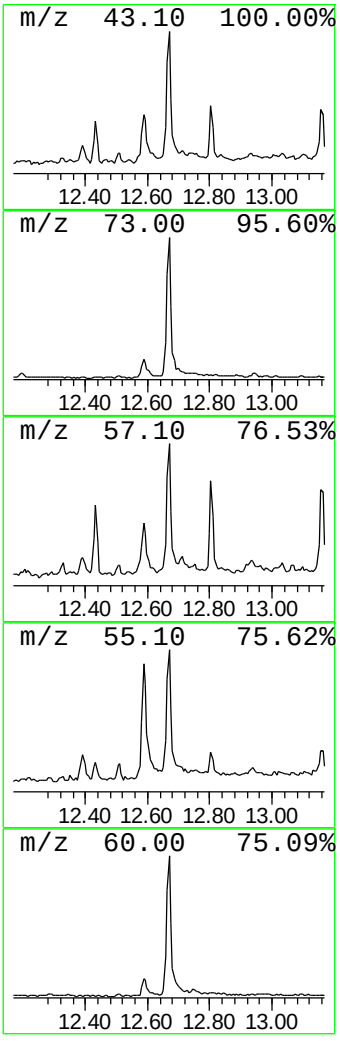
**********

Peak Number 11 Octadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.67 | 13.62 ng | 703608 | Phenanthrene-d10 | 11.36 |

| 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 | 83 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 68 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 58 |



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Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

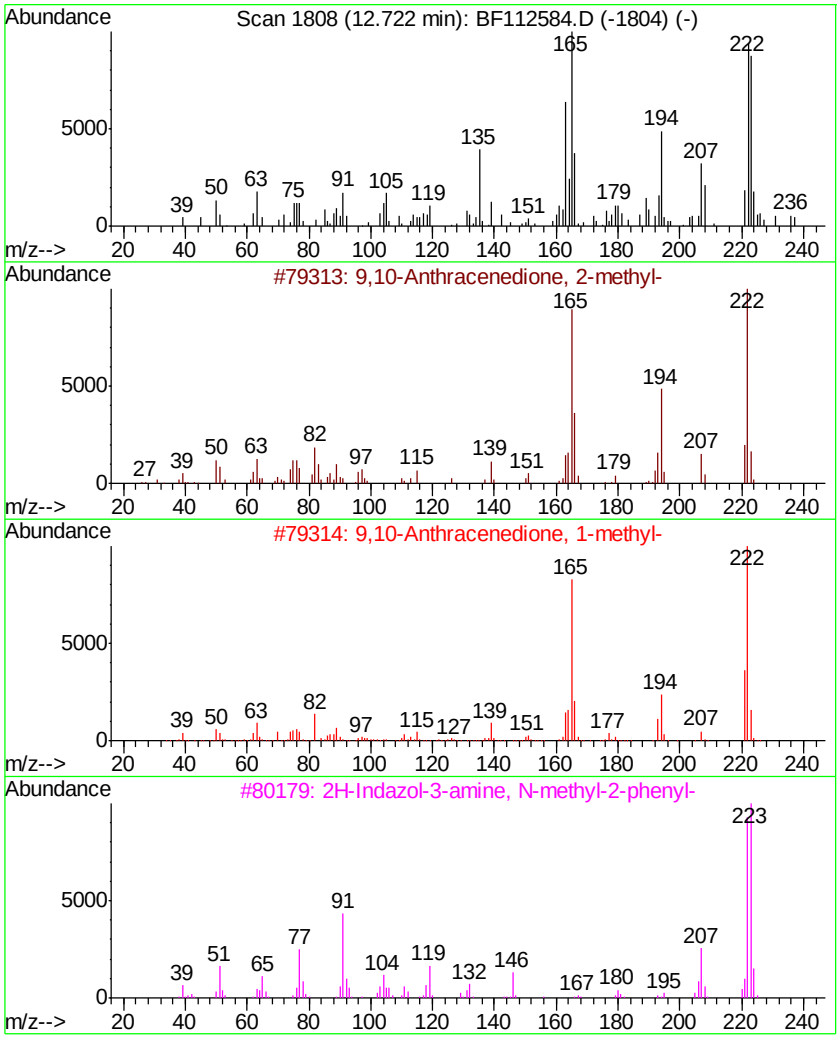
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

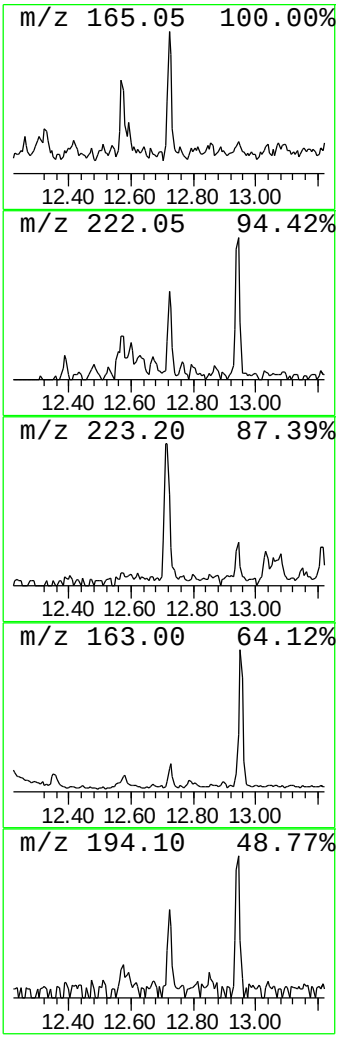
**********

Peak Number 12 9,10-Anthracenedione, 2-met... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.72 | 5.03 ng | 225705 | Chrysene-d12 | 14.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione, 2-methyl- | 222 | C15H10O2 | 000084-54-8 | 90 |
| 2 | 9,10-Anthracenedione, 1-methyl- | 222 | C15H10O2 | 000954-07-4 | 43 |
| 3 | 2H-Indazol-3-amine, N-methyl-2-p... | 223 | C14H13N3 | 097990-17-5 | 35 |
| 4 | Anhalinine | 223 | C12H17NO3 | 000642-30-8 | 30 |
| 5 | 4-[4-Cyanophenoxy]benzaldehyde | 223 | C14H9NO2 | 090178-71-5 | 30 |



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Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

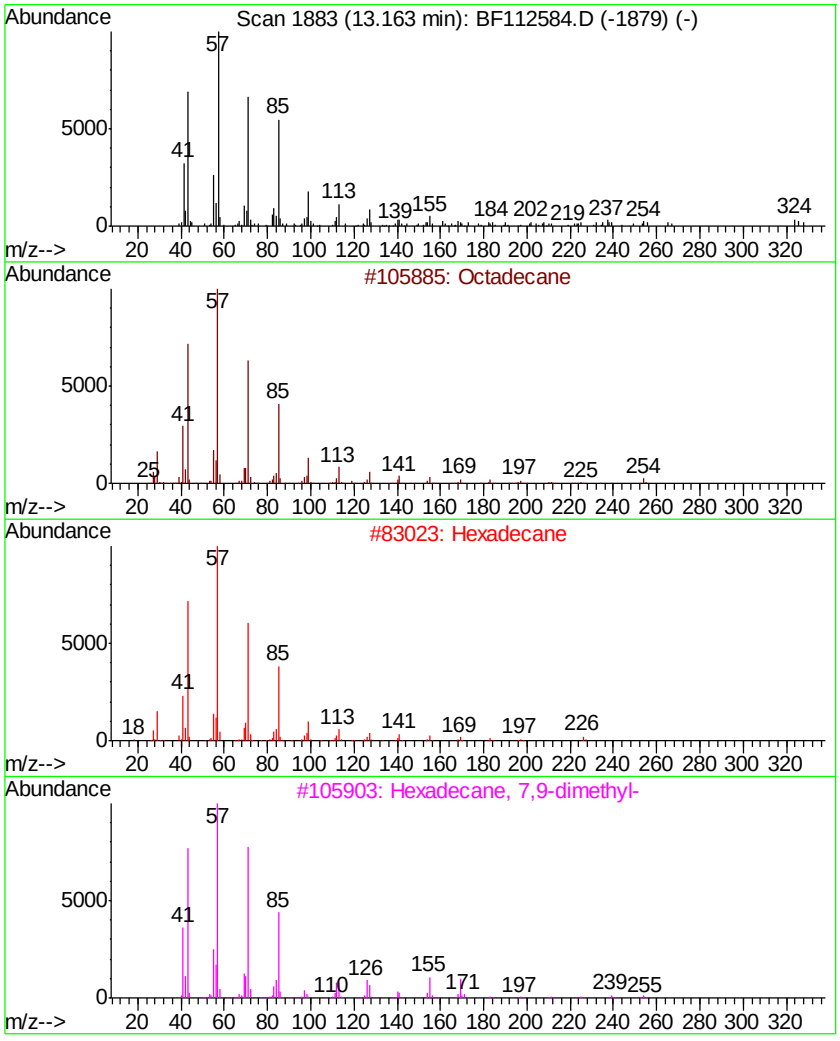
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

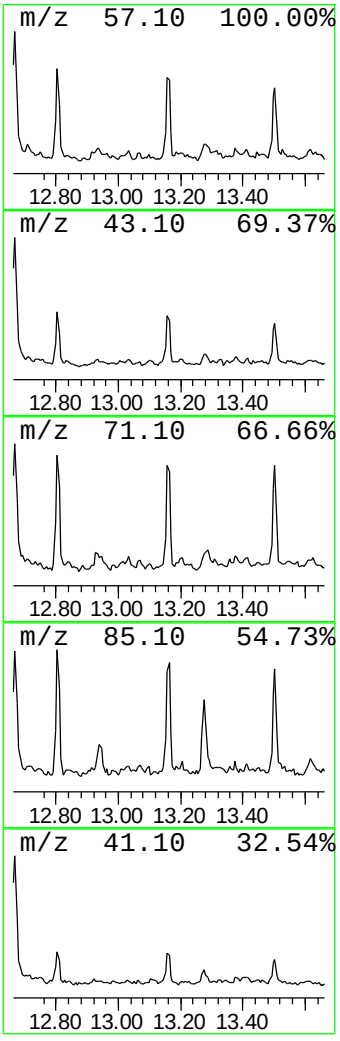
**********

Peak Number 13 Octadecane Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.16 | 2.95 ng | 132348 | Chrysene-d12 | 14.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 93 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 3 | Hexadecane, 7,9-dimethyl- | 254 | C18H38 | 021164-95-4 | 90 |
| 4 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 83 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 83 |



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Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

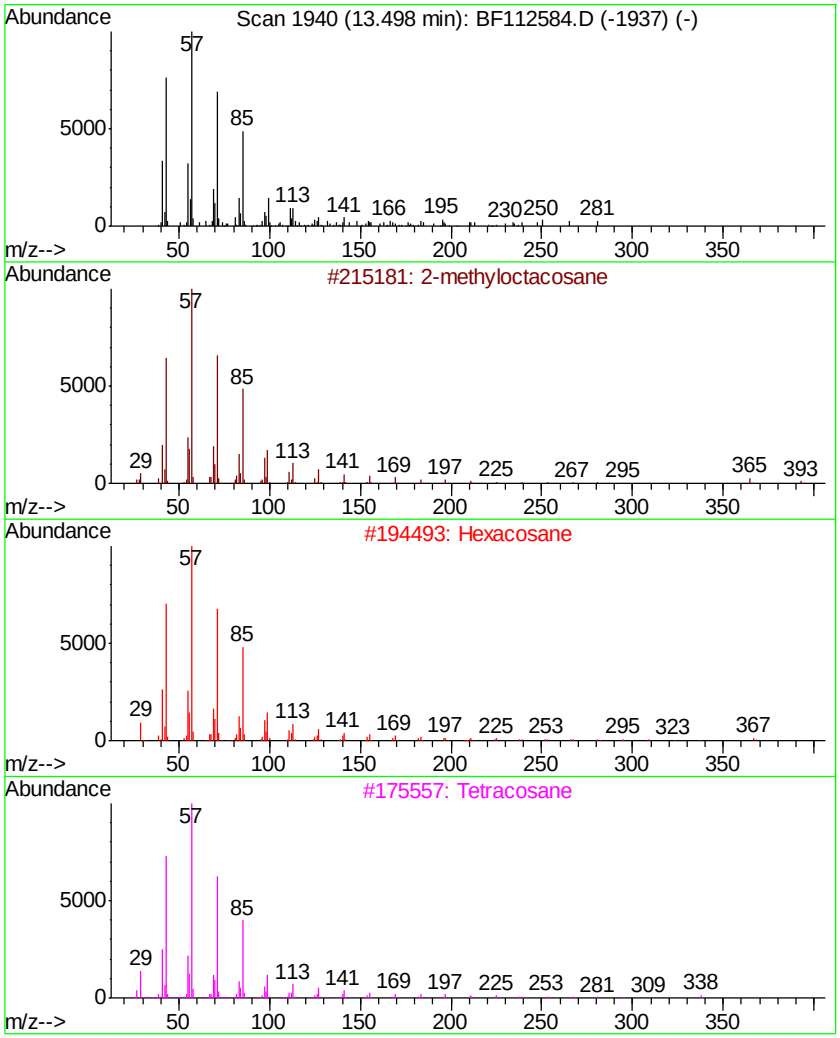
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

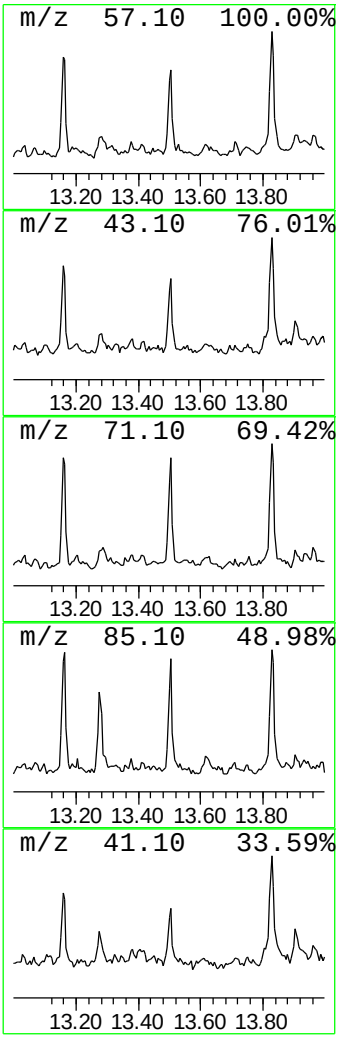
**********

Peak Number 14 2-methyloctacosane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.50 | 3.08 ng | 138036 | Chrysene-d12 | 14.01 |

| 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 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |



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Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

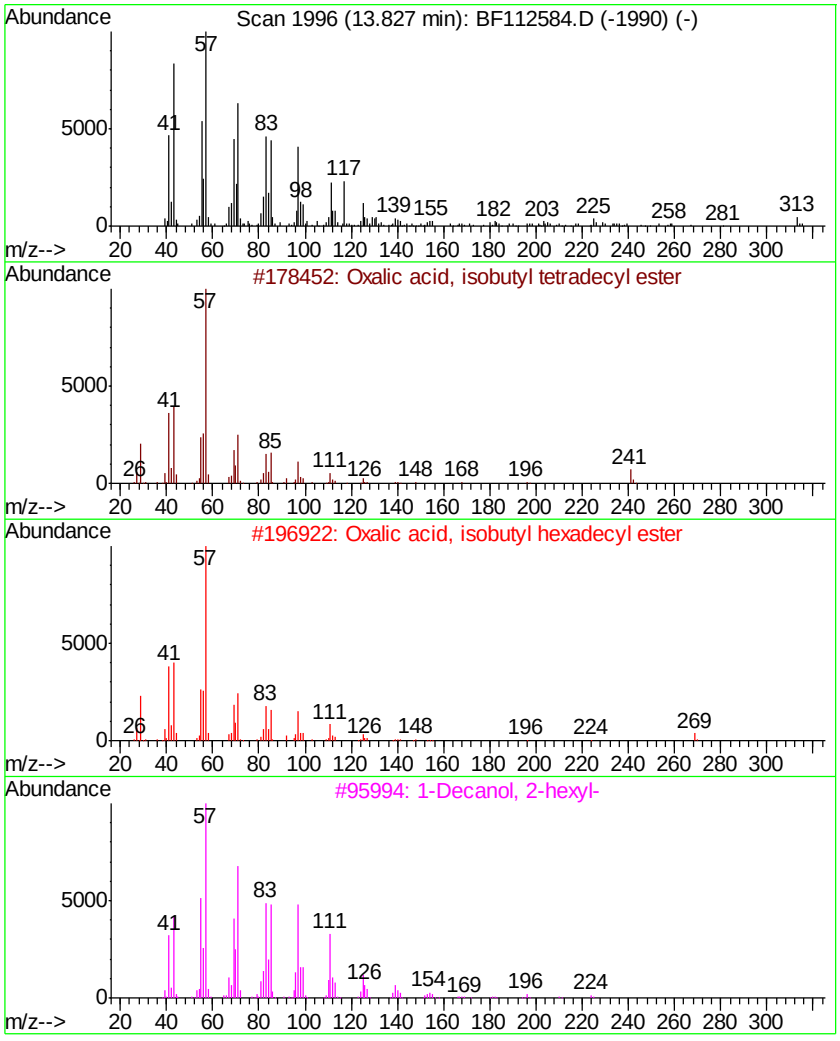
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

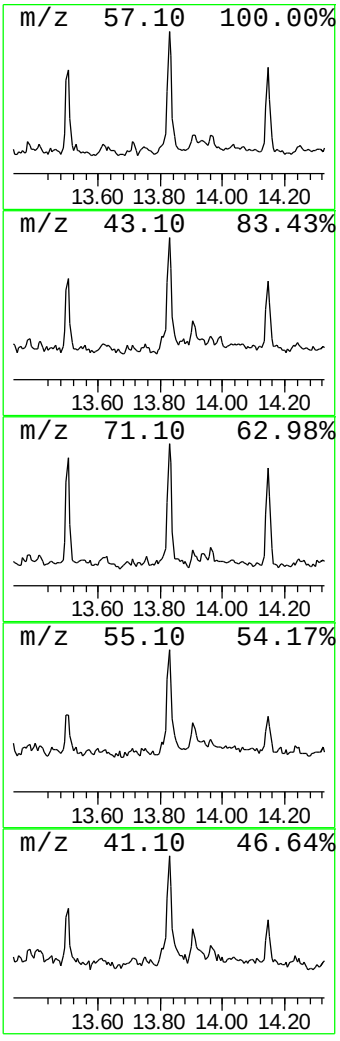
**********

Peak Number 15 Oxalic acid, isobutyl tetra... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.83 | 8.90 ng | 398873 | Chrysene-d12 | 14.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxalic acid, isobutyl tetradecyl... | 342 | C20H38O4 | 1000309-37-9 | 90 |
| 2 | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4 | 1000309-38-1 | 90 |
| 3 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 87 |
| 4 | Oxalic acid, isobutyl octadecyl ... | 398 | C24H46O4 | 1000309-38-3 | 87 |
| 5 | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 64 |



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Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

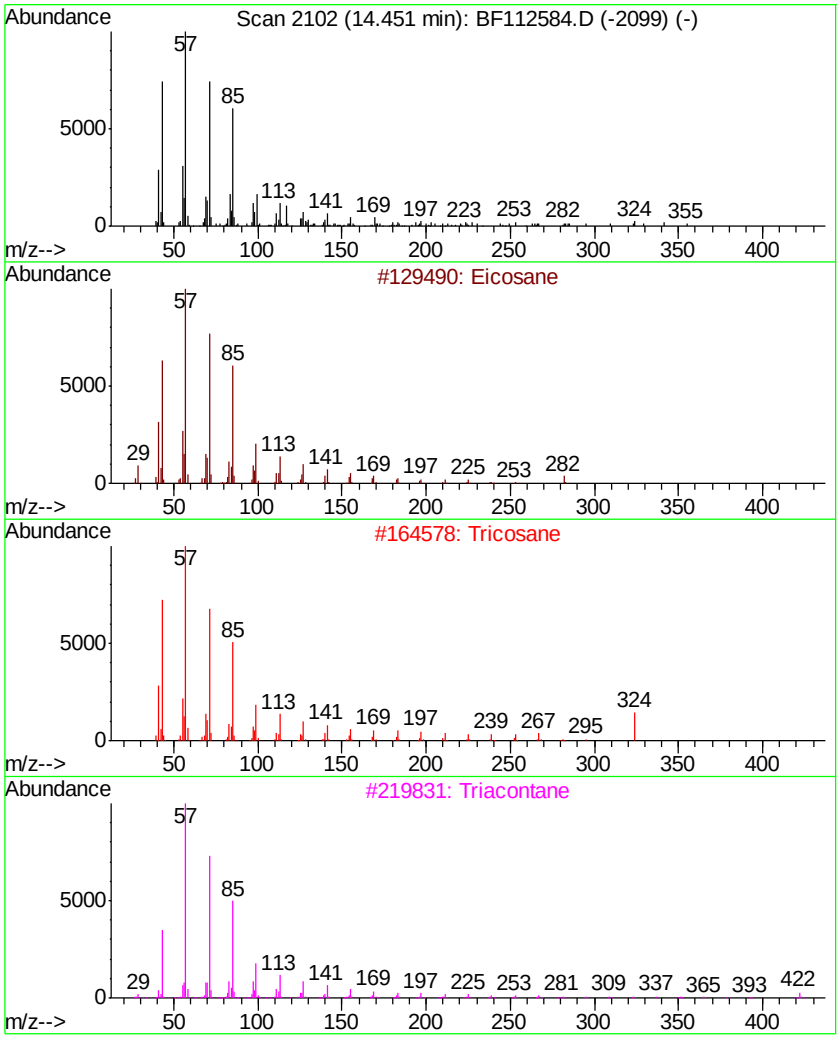
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

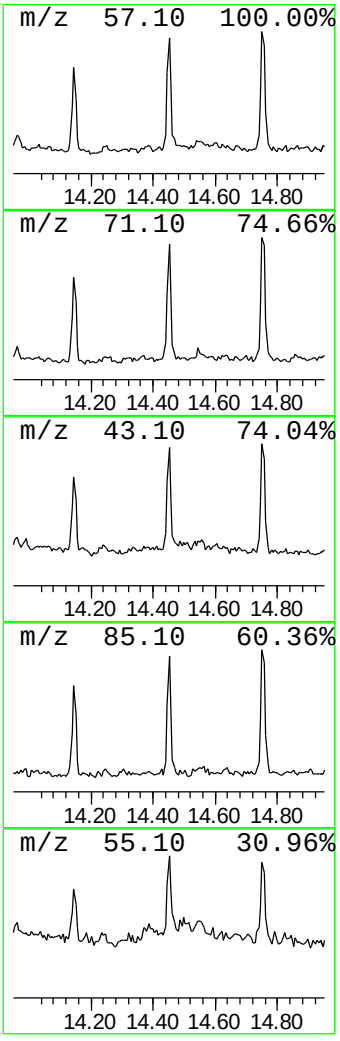
**********

Peak Number 16 Eicosane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.45 | 4.40 ng | 197072 | Chrysene-d12 | 14.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 96 |
| 2 | Tricosane | 324 | C23H48 | 000638-67-5 | 91 |
| 3 | Triacontane | 422 | C30H62 | 000638-68-6 | 90 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |



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Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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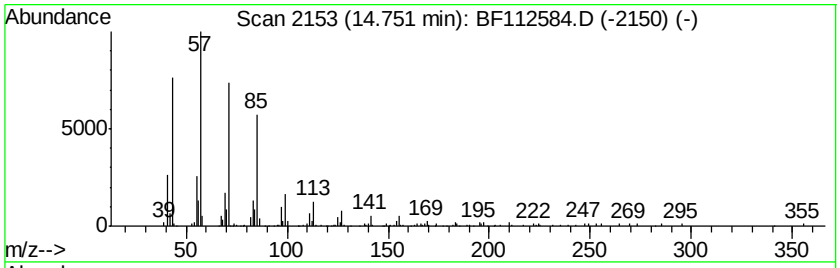
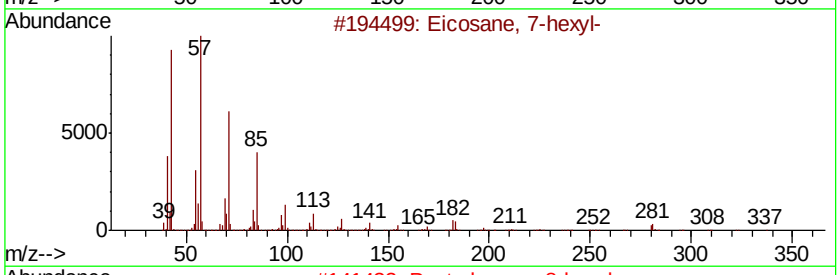
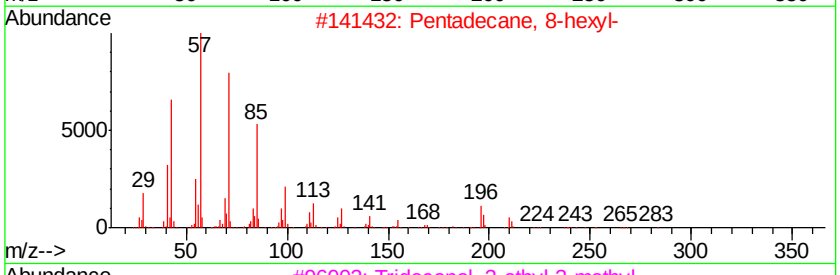
Peak Number 17 Eicosane, 7-hexyl- Concentration Rank 14

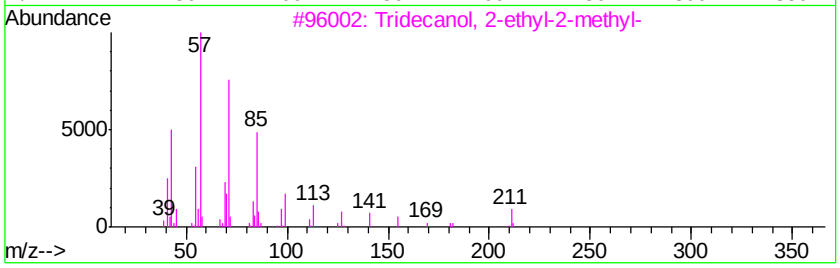
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.75 | 4.06 ng | 182172 | Chrysene-d12 | 14.01 |

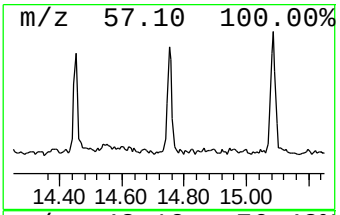
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |
| 2 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 90 |
| 3 | Tridecanol, 2-ethyl-2-methyl- | 242 | C16H34O | 1000115-66-1 | 90 |
| 4 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 90 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 86 |

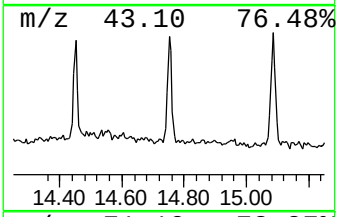


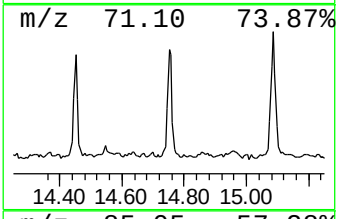



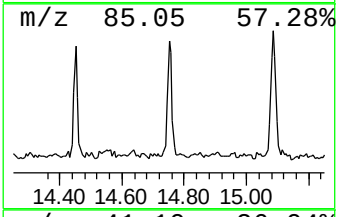



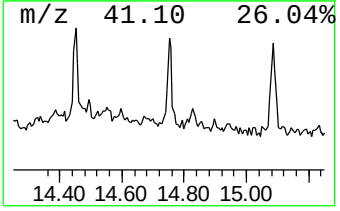



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Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

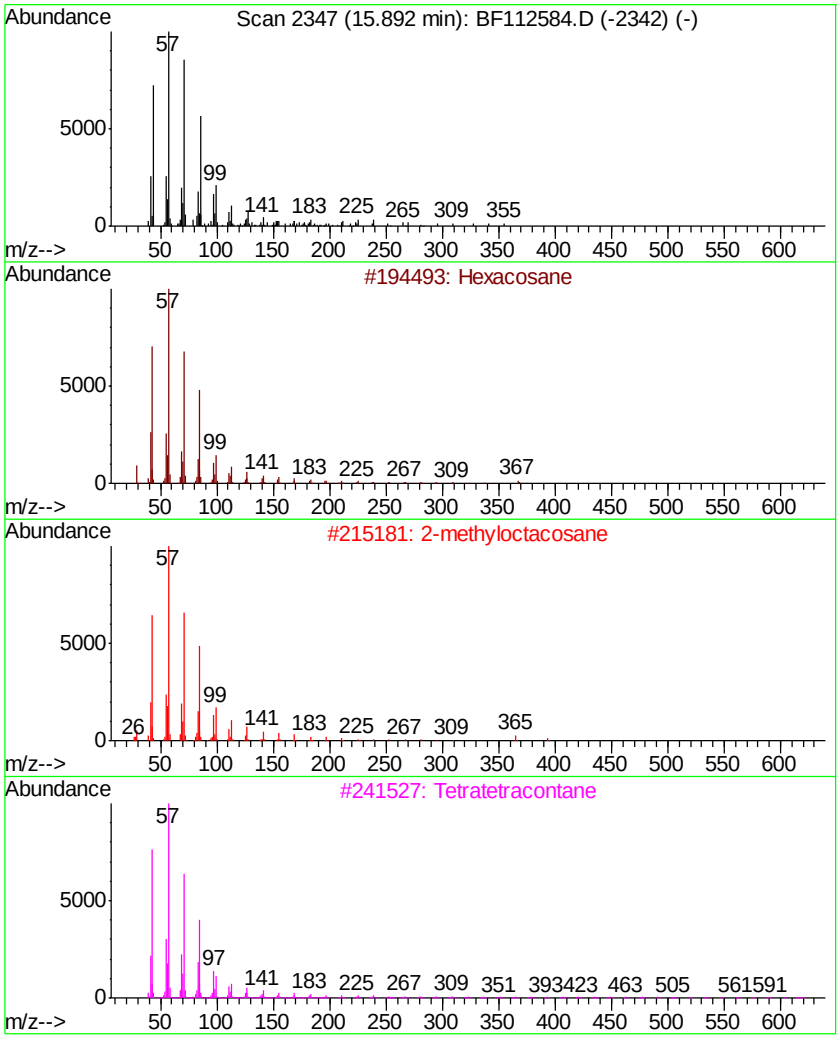
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

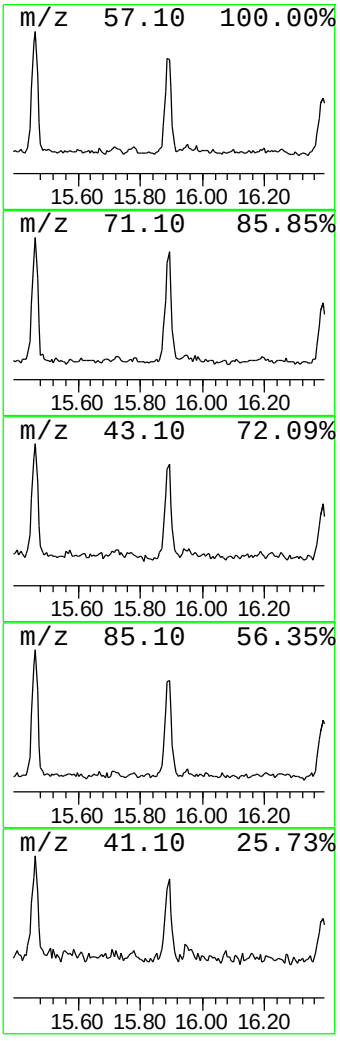
**********

Peak Number 19 Hexacosane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.89 | 4.99 ng | 194740 | Perylene-d12 | 15.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 3 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 87 |
| 4 | 2-Thiopheneacetic acid, 4-tetrad... | 338 | C20H34O2S | 1000280-67-0 | 86 |
| 5 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
Data File : BF112584.D
Acq On : 15 Feb 2019 17:47
Operator : JU/SJ
Sample : K1487-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RHR-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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 |
| 2-Pentanone, 4-hy... | 5.04 | 2.8 | ng | 67146 | 1 | 6.83 | 484086 | 20.0 |
| unknown6.61 | 6.61 | 61.1 | ng | 1479440 | 1 | 6.83 | 484086 | 20.0 |
| Ethanol, 2-(2-eth... | 6.67 | 29.6 | ng | 715374 | 1 | 6.83 | 484086 | 20.0 |
| Quinoline | 8.49 | 9.3 | ng | 329320 | 2 | 8.11 | 711784 | 20.0 |
| 1,2-Benzenedicarb... | 11.30 | 8.8 | ng | 455833 | 4 | 11.36 | 1033550 | 20.0 |
| n-Hexadecanoic acid | 11.89 | 29.5 | ng | 1522970 | 4 | 11.36 | 1033550 | 20.0 |
| 1,2,4,8-Tetrameth... | 12.16 | 2.7 | ng | 139270 | 4 | 11.36 | 1033550 | 20.0 |
| 9,10-Anthracenedione | 12.20 | 12.4 | ng | 643196 | 4 | 11.36 | 1033550 | 20.0 |
| Cyclopenta(def)ph... | 12.51 | 3.0 | ng | 157205 | 4 | 11.36 | 1033550 | 20.0 |
| Octadecanoic acid | 12.67 | 13.6 | ng | 703608 | 4 | 11.36 | 1033550 | 20.0 |
| 9,10-Anthracenedi... | 12.72 | 5.0 | ng | 225705 | 5 | 14.01 | 896624 | 20.0 |
| Octadecane | 13.16 | 3.0 | ng | 132348 | 5 | 14.01 | 896624 | 20.0 |
| 2-methyloctacosane | 13.50 | 3.1 | ng | 138036 | 5 | 14.01 | 896624 | 20.0 |
| Oxalic acid, isob... | 13.83 | 8.9 | ng | 398873 | 5 | 14.01 | 896624 | 20.0 |
| Eicosane | 14.45 | 4.4 | ng | 197072 | 5 | 14.01 | 896624 | 20.0 |
| Eicosane, 7-hexyl- | 14.75 | 4.1 | ng | 182172 | 5 | 14.01 | 896624 | 20.0 |
| Hexacosane | 15.89 | 5.0 | ng | 194740 | 6 | 15.49 | 780973 | 20.0 |