LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.951 | 8 | 11 | 26 | rBV | 3026274 | 4620255 | 100.00% | 8.506% |
| 2 | 2.063 | 26 | 30 | 48 | rVB | 1271147 | 1834572 | 39.71% | 3.378% |
| 3 | 5.134 | 534 | 552 | 554 | rBV | 66952 | 230612 | 4.99% | 0.425% |
| 4 | 5.445 | 600 | 605 | 608 | rBV | 3239554 | 2990497 | 64.73% | 5.506% |
| 5 | 6.463 | 773 | 778 | 781 | rBV | 3197204 | 3173938 | 68.70% | 5.843% |
| 6 | 6.828 | 836 | 840 | 843 | rBV | 1442914 | 1210432 | 26.20% | 2.228% |
| 7 | 6.981 | 862 | 866 | 870 | rBV | 3242141 | 2916902 | 63.13% | 5.370% |
| 8 | 7.386 | 930 | 935 | 938 | rBV | 2411884 | 2263421 | 48.99% | 4.167% |
| 9 | 8.110 | 1053 | 1058 | 1061 | rBV | 1912372 | 1560198 | 33.77% | 2.872% |
| 10 | 9.186 | 1236 | 1241 | 1244 | rBV | 4641623 | 4043716 | 87.52% | 7.445% |
| 11 | 9.580 | 1303 | 1308 | 1312 | rVB | 611141 | 554857 | 12.01% | 1.022% |
| 12 | 9.727 | 1328 | 1333 | 1335 | rBV | 47623 | 47192 | 1.02% | 0.087% |
| 13 | 9.798 | 1337 | 1345 | 1350 | rVV4 | 25040 | 54556 | 1.18% | 0.100% |
| 14 | 9.863 | 1350 | 1356 | 1360 | rVV | 2003513 | 1825271 | 39.51% | 3.360% |
| 15 | 9.898 | 1360 | 1362 | 1370 | rVB2 | 46761 | 52417 | 1.13% | 0.097% |
| 16 | 10.069 | 1386 | 1391 | 1394 | rBV2 | 48713 | 52870 | 1.14% | 0.097% |
| 17 | 10.198 | 1407 | 1413 | 1418 | rVB2 | 36777 | 46674 | 1.01% | 0.086% |
| 18 | 10.657 | 1486 | 1491 | 1494 | rBV | 2364205 | 2244960 | 48.59% | 4.133% |
| 19 | 11.016 | 1545 | 1552 | 1556 | rBV4 | 168132 | 262481 | 5.68% | 0.483% |
| 20 | 11.304 | 1597 | 1601 | 1604 | rBV | 151861 | 142090 | 3.08% | 0.262% |
| 21 | 11.351 | 1604 | 1609 | 1611 | rVV | 1905565 | 1665171 | 36.04% | 3.066% |
| 22 | 11.374 | 1611 | 1613 | 1616 | rVB | 459664 | 357375 | 7.73% | 0.658% |
| 23 | 11.427 | 1620 | 1622 | 1624 | rVB | 85955 | 62589 | 1.35% | 0.115% |
| 24 | 11.568 | 1642 | 1646 | 1651 | rBV2 | 102089 | 130674 | 2.83% | 0.241% |
| 25 | 11.745 | 1671 | 1676 | 1682 | rVB5 | 39036 | 62862 | 1.36% | 0.116% |
| 26 | 11.821 | 1683 | 1689 | 1692 | rBV | 762577 | 962379 | 20.83% | 1.772% |
| 27 | 11.851 | 1692 | 1694 | 1697 | rVV | 427641 | 385402 | 8.34% | 0.710% |
| 28 | 11.892 | 1697 | 1701 | 1704 | rVV2 | 678559 | 584088 | 12.64% | 1.075% |
| 29 | 11.963 | 1710 | 1713 | 1716 | rBV | 101927 | 99756 | 2.16% | 0.184% |
| 30 | 12.057 | 1727 | 1729 | 1736 | rVB3 | 79068 | 90908 | 1.97% | 0.167% |
| 31 | 12.151 | 1740 | 1745 | 1747 | rVV | 62455 | 87312 | 1.89% | 0.161% |
| 32 | 12.168 | 1747 | 1748 | 1752 | rVB2 | 72462 | 57179 | 1.24% | 0.105% |
| 33 | 12.404 | 1785 | 1788 | 1791 | rBV | 66949 | 68616 | 1.49% | 0.126% |
| 34 | 12.480 | 1798 | 1801 | 1804 | rBV2 | 198211 | 189117 | 4.09% | 0.348% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.551 | 1808 | 1813 | 1814 | rBV | 888649 | 931784 | 20.17% | 1.715% |
| 36 | 12.563 | 1814 | 1815 | 1818 | rVB | 786795 | 576439 | 12.48% | 1.061% |
| 37 | 12.792 | 1848 | 1854 | 1860 | rBV | 763477 | 794284 | 17.19% | 1.462% |
| 38 | 12.939 | 1875 | 1879 | 1882 | rBV | 3799739 | 3470596 | 75.12% | 6.390% |
| 39 | 13.010 | 1887 | 1891 | 1895 | rBV2 | 55840 | 86825 | 1.88% | 0.160% |
| 40 | 13.121 | 1907 | 1910 | 1913 | rVB | 109336 | 105086 | 2.27% | 0.193% |
| 41 | 13.157 | 1913 | 1916 | 1920 | rBV2 | 115288 | 169515 | 3.67% | 0.312% |
| 42 | 13.227 | 1924 | 1928 | 1930 | rBV2 | 88769 | 95922 | 2.08% | 0.177% |
| 43 | 13.315 | 1941 | 1943 | 1946 | rVB | 50118 | 46928 | 1.02% | 0.086% |
| 44 | 13.351 | 1946 | 1949 | 1952 | rBV2 | 54601 | 55021 | 1.19% | 0.101% |
| 45 | 13.392 | 1953 | 1956 | 1958 | rVV3 | 73870 | 77714 | 1.68% | 0.143% |
| 46 | 13.415 | 1958 | 1960 | 1967 | rVB5 | 56959 | 72541 | 1.57% | 0.134% |
| 47 | 13.515 | 1972 | 1977 | 1984 | rBV5 | 73706 | 141305 | 3.06% | 0.260% |
| 48 | 13.627 | 1994 | 1996 | 2001 | rVB | 107301 | 102563 | 2.22% | 0.189% |
| 49 | 13.739 | 2012 | 2015 | 2018 | rBV2 | 60069 | 79256 | 1.72% | 0.146% |
| 50 | 13.768 | 2018 | 2020 | 2022 | rVV | 80015 | 66096 | 1.43% | 0.122% |
| 51 | 13.792 | 2022 | 2024 | 2028 | rVV3 | 68022 | 85389 | 1.85% | 0.157% |
| 52 | 13.839 | 2029 | 2032 | 2039 | rVB2 | 800462 | 890386 | 19.27% | 1.639% |
| 53 | 13.992 | 2050 | 2058 | 2061 | rBV3 | 1619273 | 2148478 | 46.50% | 3.955% |
| 54 | 14.015 | 2061 | 2062 | 2069 | rVB | 383691 | 330373 | 7.15% | 0.608% |
| 55 | 14.098 | 2074 | 2076 | 2079 | rVB | 81066 | 64549 | 1.40% | 0.119% |
| 56 | 14.162 | 2084 | 2087 | 2092 | rVV3 | 115268 | 146237 | 3.17% | 0.269% |
| 57 | 14.280 | 2105 | 2107 | 2111 | rBV | 60078 | 55406 | 1.20% | 0.102% |
| 58 | 14.380 | 2122 | 2124 | 2127 | rVB2 | 79236 | 61367 | 1.33% | 0.113% |
| 59 | 14.474 | 2135 | 2140 | 2144 | rBV2 | 324655 | 551297 | 11.93% | 1.015% |
| 60 | 14.768 | 2187 | 2190 | 2193 | rBV | 163548 | 174432 | 3.78% | 0.321% |
| 61 | 14.915 | 2212 | 2215 | 2223 | rVB2 | 248433 | 273206 | 5.91% | 0.503% |
| 62 | 15.027 | 2230 | 2234 | 2237 | rBV | 370401 | 542508 | 11.74% | 0.999% |
| 63 | 15.104 | 2243 | 2247 | 2250 | rBV | 621654 | 705876 | 15.28% | 1.300% |
| 64 | 15.133 | 2250 | 2252 | 2259 | rVB | 359657 | 477547 | 10.34% | 0.879% |
| 65 | 15.327 | 2281 | 2285 | 2291 | rVB | 202801 | 267339 | 5.79% | 0.492% |
| 66 | 15.386 | 2291 | 2295 | 2301 | rVB | 279776 | 326444 | 7.07% | 0.601% |
| 67 | 15.451 | 2301 | 2306 | 2309 | rBV | 966029 | 1183711 | 25.62% | 2.179% |
| 68 | 15.480 | 2309 | 2311 | 2317 | rVB2 | 265391 | 306184 | 6.63% | 0.564% |
| 69 | 15.680 | 2342 | 2345 | 2350 | rVB2 | 199875 | 247580 | 5.36% | 0.456% |
| 70 | 15.915 | 2380 | 2385 | 2390 | rVB | 1266847 | 1939208 | 41.97% | 3.570% |
| 71 | 15.974 | 2390 | 2395 | 2403 | rBV2 | 307352 | 616626 | 13.35% | 1.135% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 16.703 | 2515 | 2519 | 2529 | rVB3 | 202189 | 378448 | 8.19% | 0.697% |
| 73 | 16.892 | 2547 | 2551 | 2556 | rBV2 | 113193 | 216159 | 4.68% | 0.398% |
| 74 | 17.103 | 2579 | 2587 | 2596 | rBV7 | 147303 | 524258 | 11.35% | 0.965% |

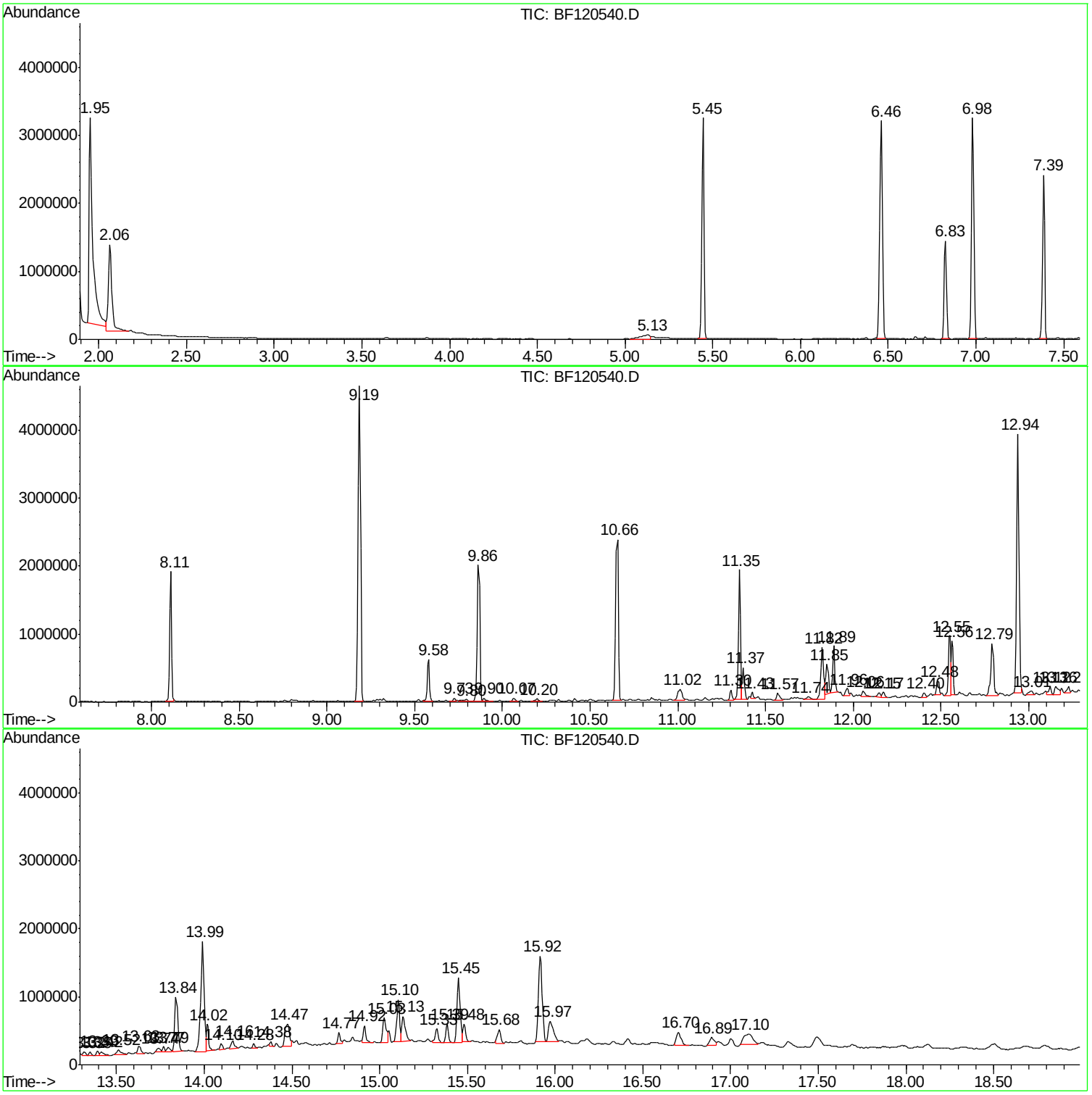
Sum of corrected areas: 54316222

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.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\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

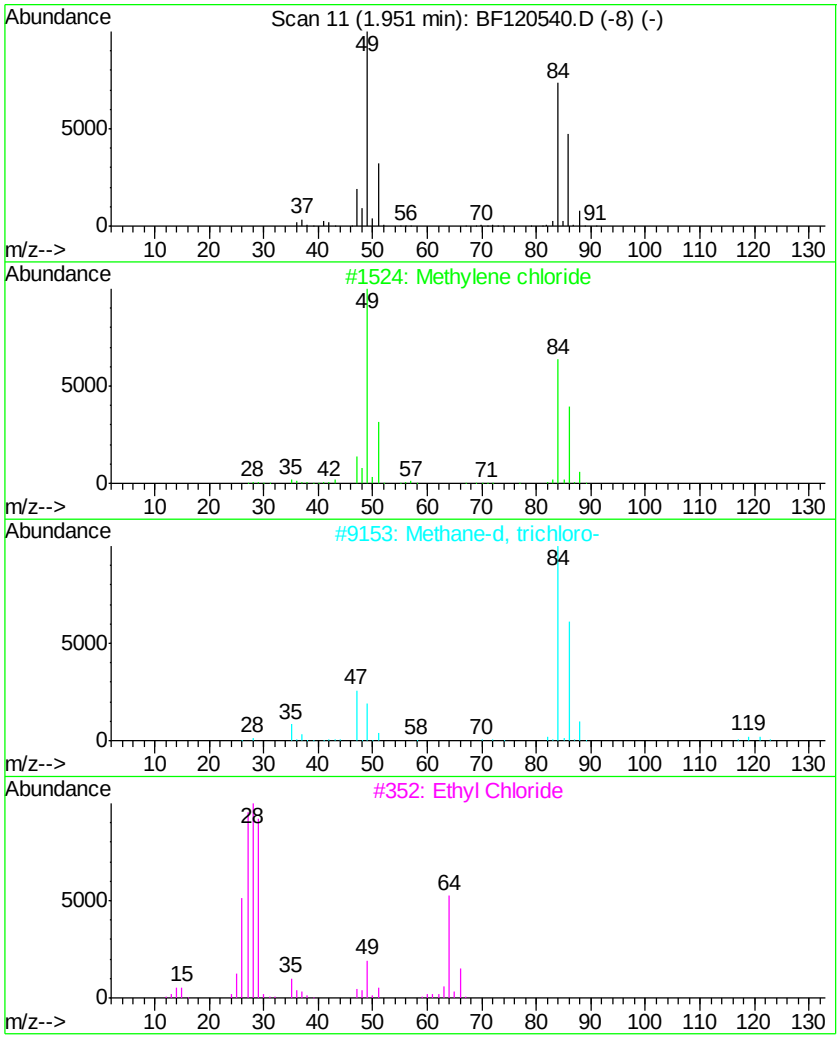
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

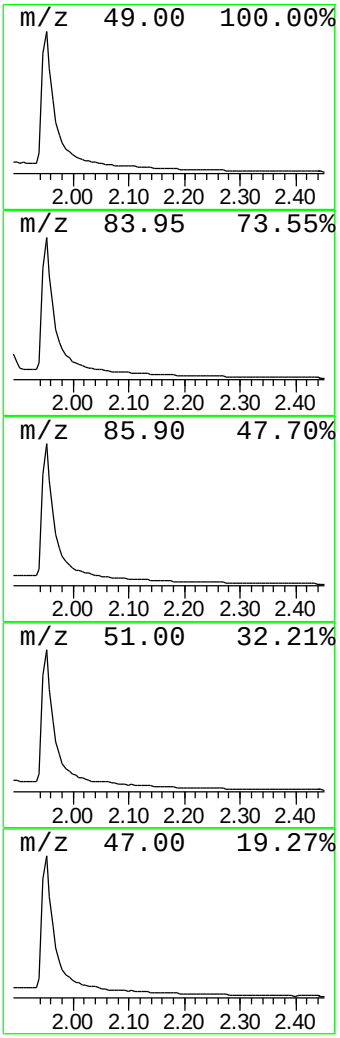
**********

Peak Number 1 Methylene chloride Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.95 | 76.34 ng | 4620260 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene chloride | 84 | CH2Cl2 | 000075-09-2 | 95 |
| 2 | Methane-d, trichloro- | 119 | CDCl3 | 000865-49-6 | 14 |
| 3 | Ethyl Chloride | 64 | C2H5Cl | 000075-00-3 | 4 |
| 4 | Krypton | 84 | Kr | 007439-90-9 | 3 |
| 5 | Acetic acid, chloro-, ethyl ester | 122 | C4H7ClO2 | 000105-39-5 | 2 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

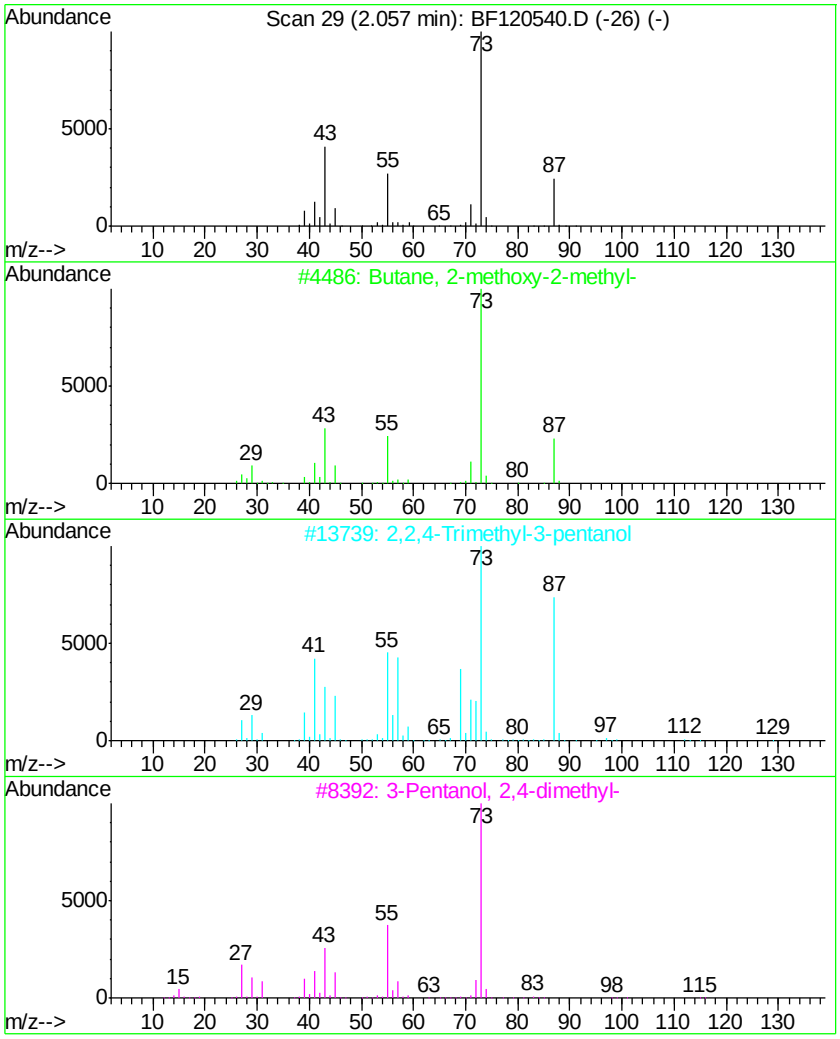
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

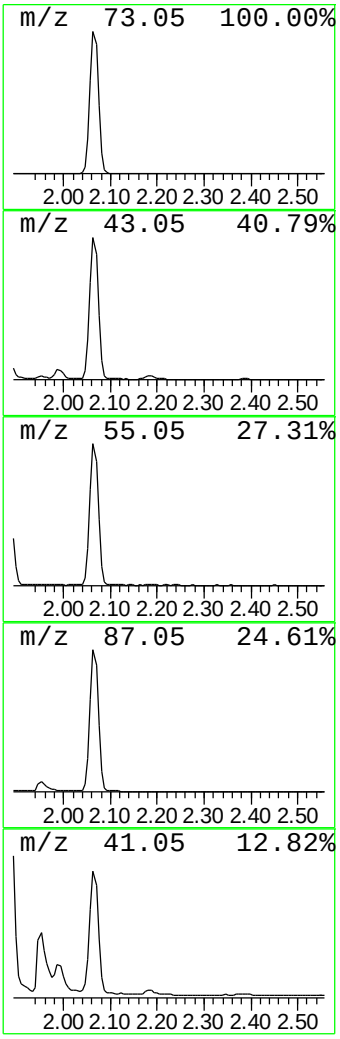
**********

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.06 | 30.31 ng | 1834570 | 1,4-Dichlorobenzene-d4 | 6.83 |

| 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 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 37 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
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Sample : L2839-06
Misc :
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**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

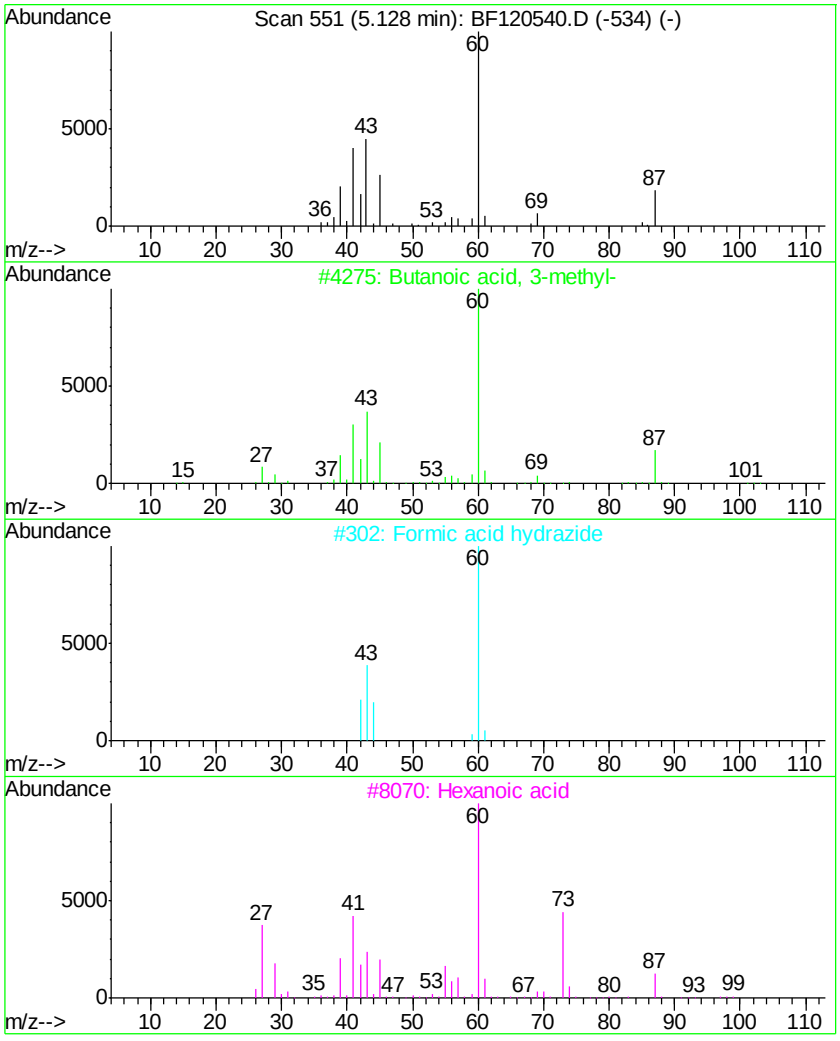
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

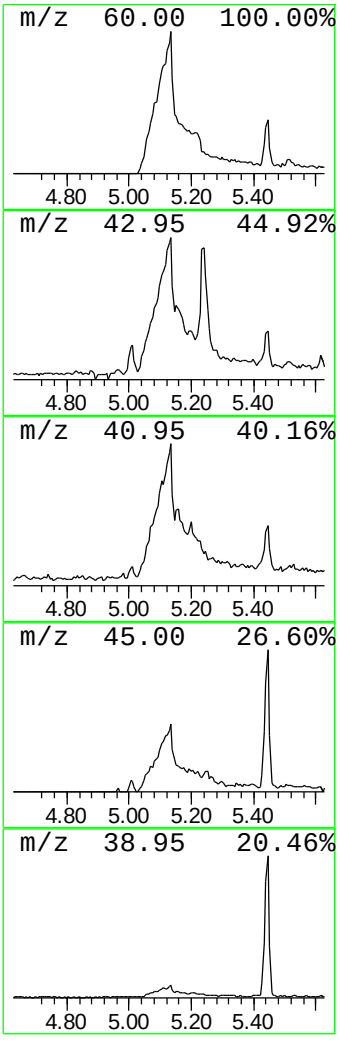
**********

Peak Number 3 Butanoic acid, 3-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.13 | 3.81 ng | 230612 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanoic acid, 3-methyl- | 102 | C5H10O2 | 000503-74-2 | 83 |
| 2 | Formic acid hydrazide | 60 | CH4N2O | 000624-84-0 | 53 |
| 3 | Hexanoic acid | 116 | C6H12O2 | 000142-62-1 | 43 |
| 4 | Pentanoic acid | 102 | C5H10O2 | 000109-52-4 | 38 |
| 5 | 1,5-Pentanediol | 104 | C5H12O2 | 000111-29-5 | 9 |



Library Search Compound Report

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**Instrument :** BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

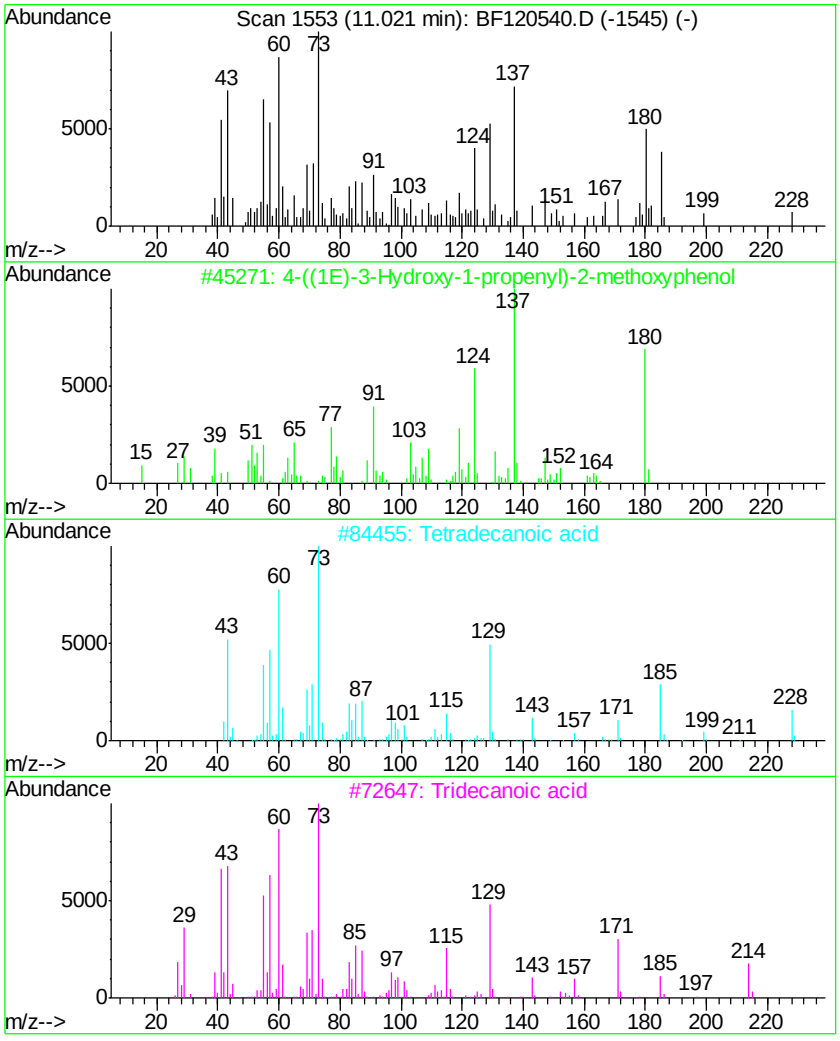
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

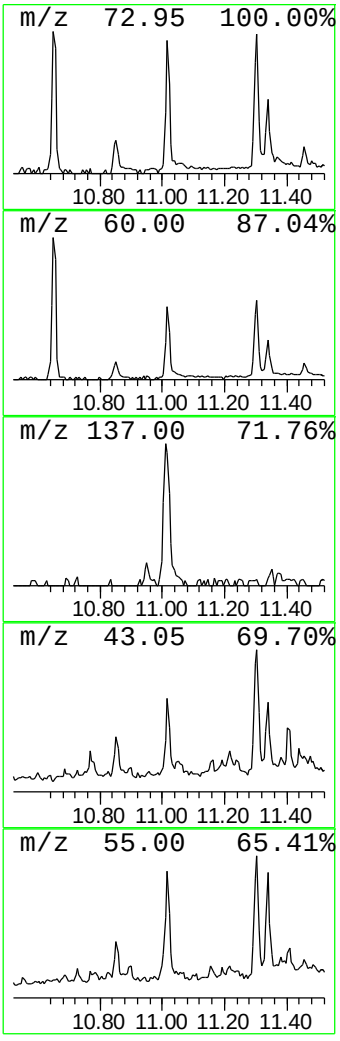
**********

Peak Number 5 4-((1E)-3-Hydroxy-1-propeny... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.02 | 3.15 ng | 262481 | Phenanthrene-d10 | 11.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-((1E)-3-Hydroxy-1-propenyl)-2-... | 180 | C10H12O3 | 1000297-95-5 | 94 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 53 |
| 4 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 50 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 43 |



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Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

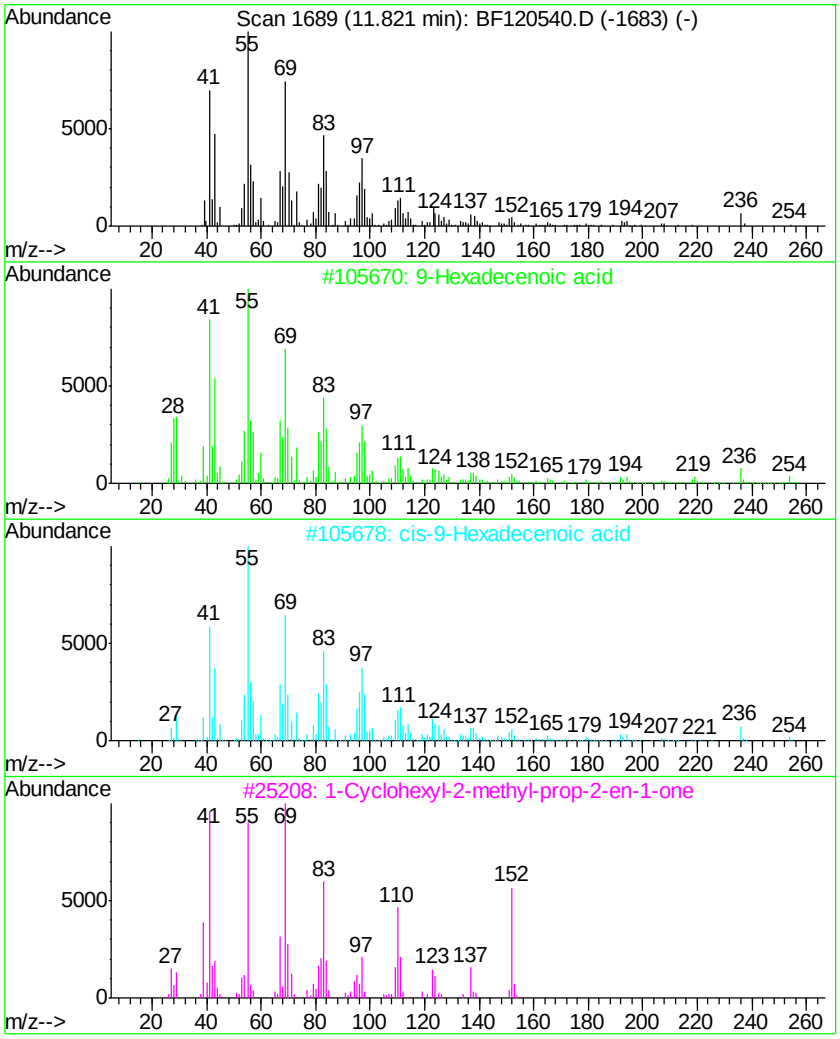
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

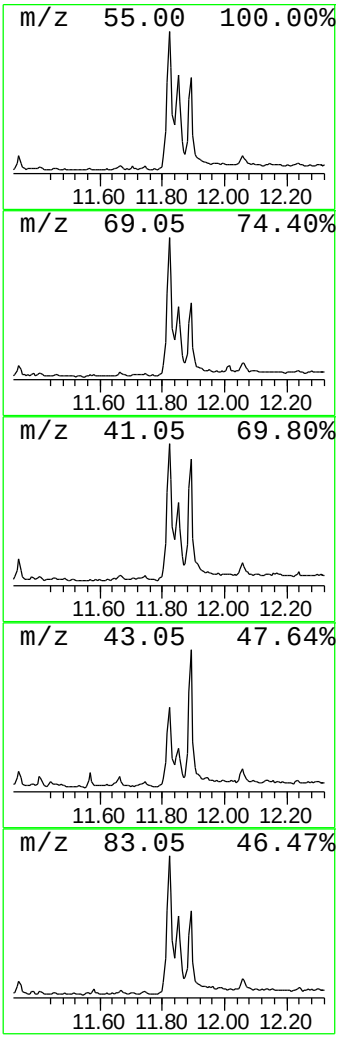
**********

Peak Number 6 9-Hexadecenoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.82 | 11.56 ng | 962379 | Phenanthrene-d10 | 11.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Hexadecenoic acid | 254 | C16H30O2 | 002091-29-4 | 78 |
| 2 | cis-9-Hexadecenoic acid | 254 | C16H30O2 | 1000333-19-5 | 78 |
| 3 | 1-Cyclohexyl-2-methyl-prop-2-en-... | 152 | C10H16O | 025183-82-8 | 70 |
| 4 | Palmitoleic acid | 254 | C16H30O2 | 000373-49-9 | 60 |
| 5 | n-Dodecyl methacrylate | 254 | C16H30O2 | 000142-90-5 | 52 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

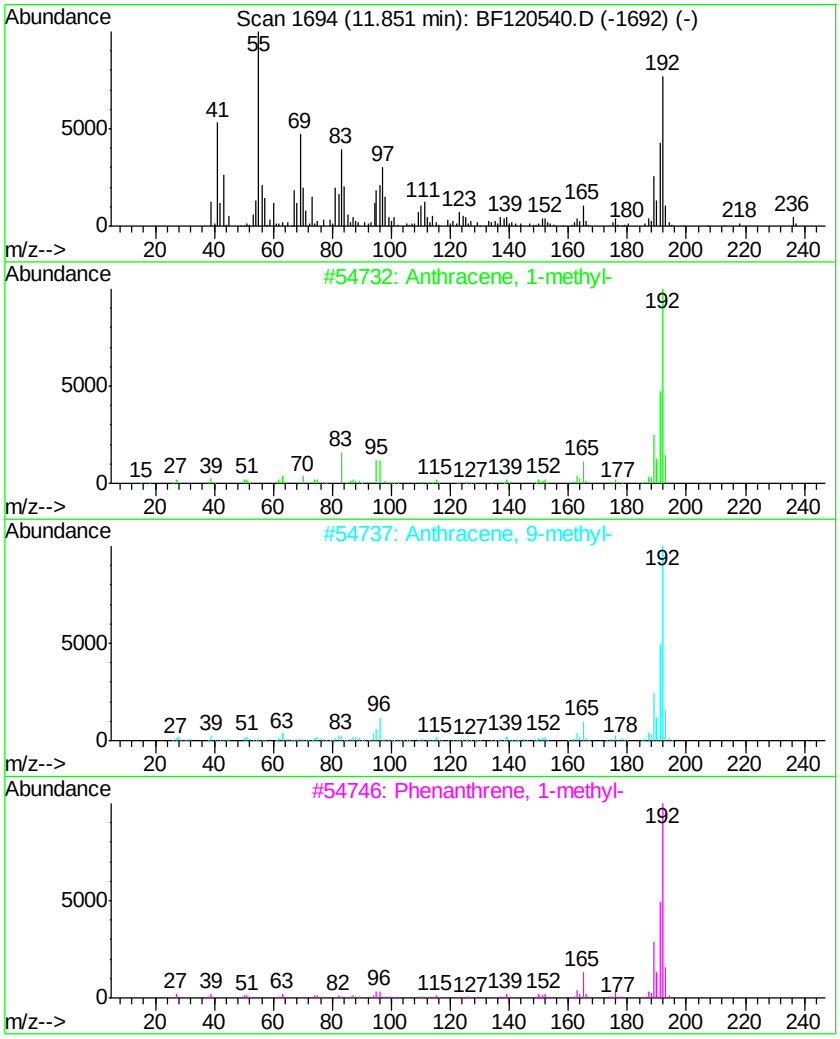
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

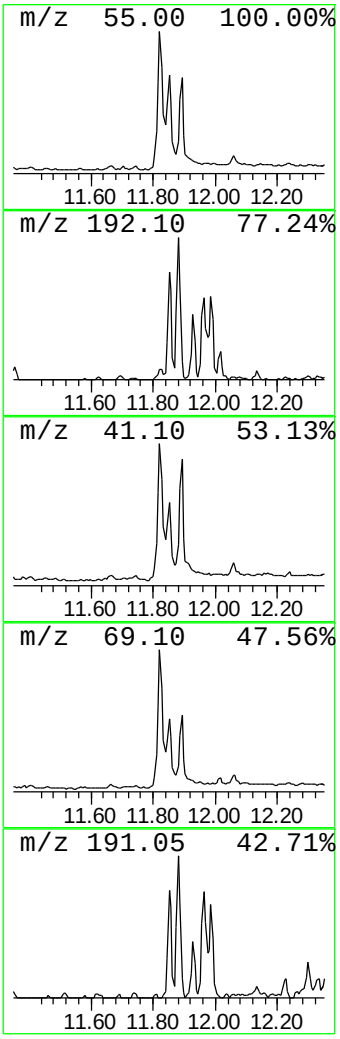
**********

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.85 | 4.63 ng | 385402 | Phenanthrene-d10 | 11.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 92 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 90 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 90 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 86 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

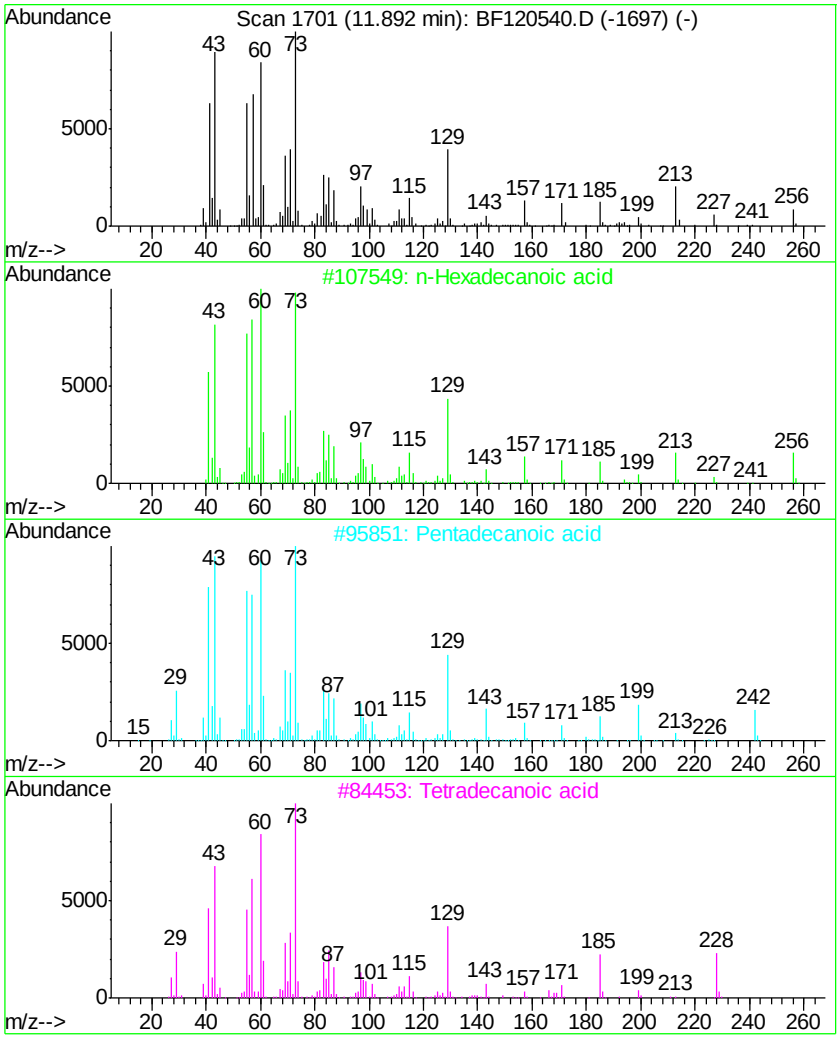
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

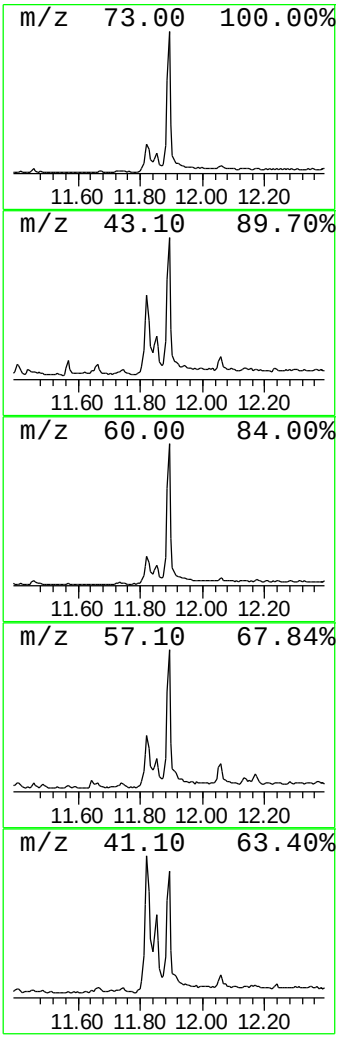
**********

Peak Number 8 n-Hexadecanoic acid Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.89 | 7.02 ng | 584088 | Phenanthrene-d10 | 11.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 91 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 90 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |



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Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

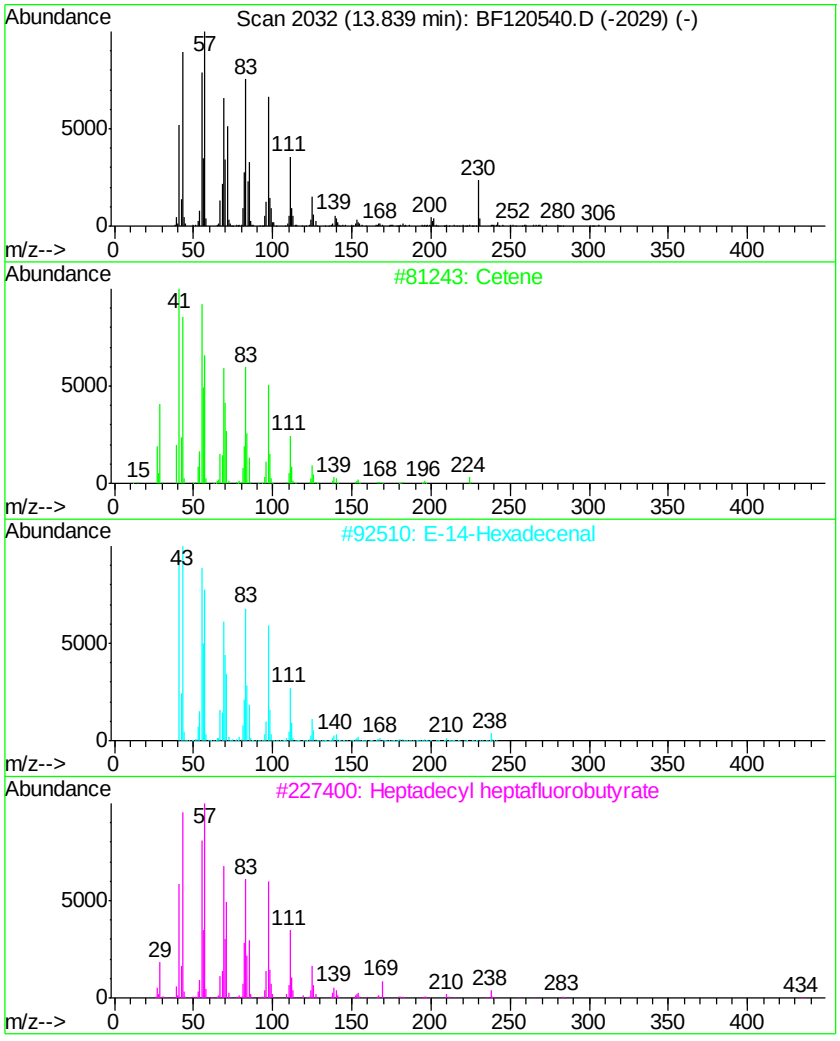
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

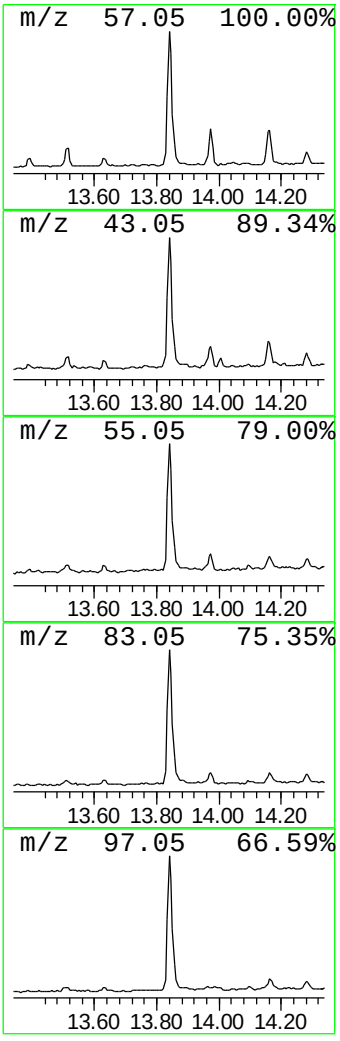
**********

Peak Number 9 Cetene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.84 | 8.29 ng | 890386 | Chrysene-d12 | 13.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cetene | 224 | C16H32 | 000629-73-2 | 95 |
| 2 | E-14-Hexadecenal | 238 | C16H30O | 330207-53-9 | 93 |
| 3 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 93 |
| 4 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 93 |
| 5 | Heptafluorobutyric acid, n-octad... | 466 | C22H37F7O2 | 000400-57-7 | 93 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

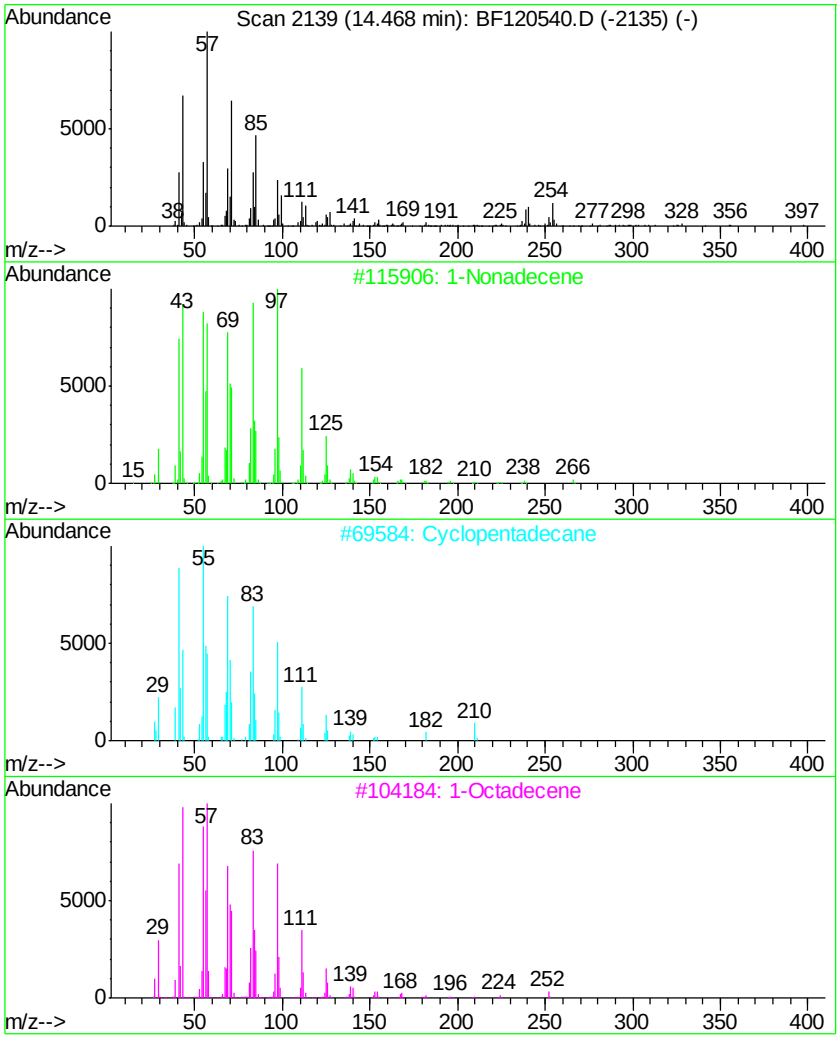
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

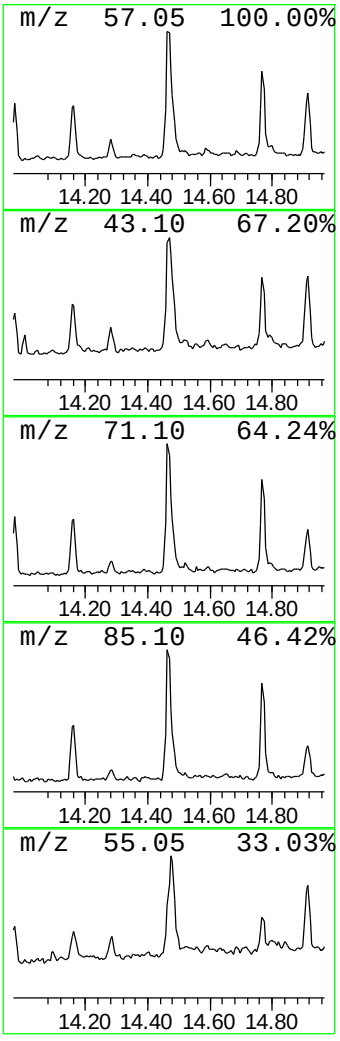
**********

Peak Number 10 1-Nonadecene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.47 | 5.13 ng | 551297 | Chrysene-d12 | 13.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 95 |
| 2 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 89 |
| 3 | 1-Octadecene | 252 | C18H36 | 000112-88-9 | 86 |
| 4 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 78 |
| 5 | Heneicosyl trifluoroacetate | 408 | C23H43F3O2 | 1000351-76-5 | 76 |



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Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

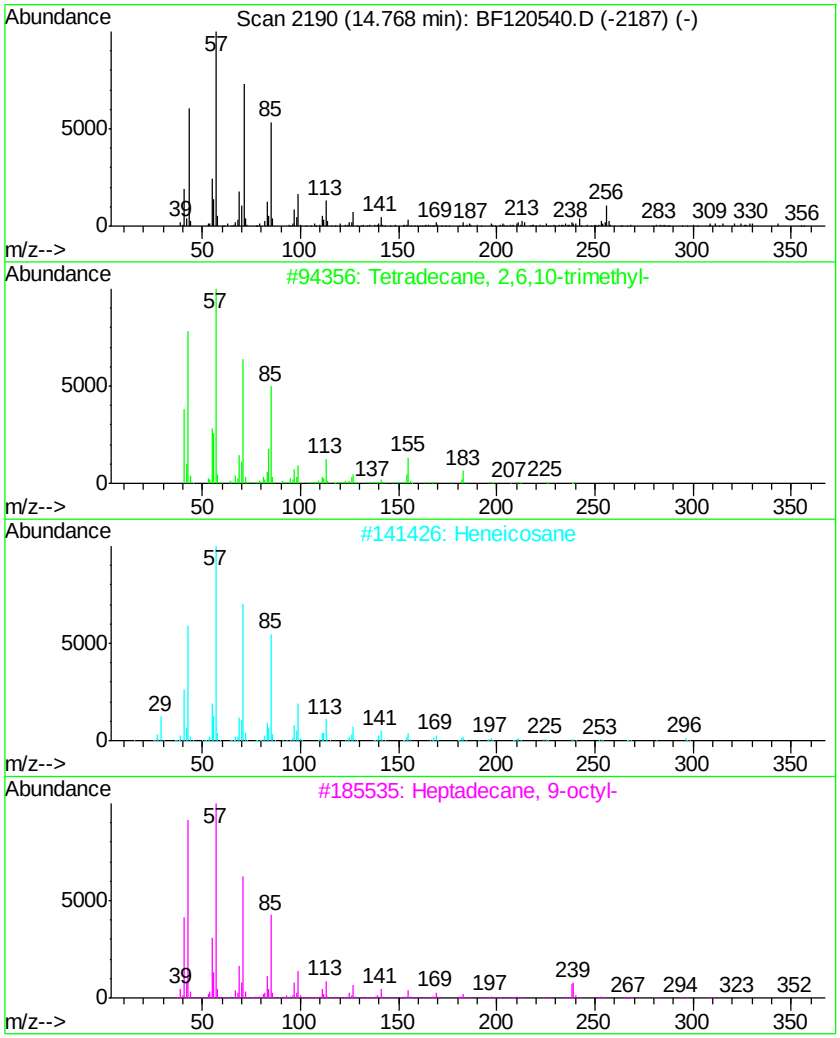
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

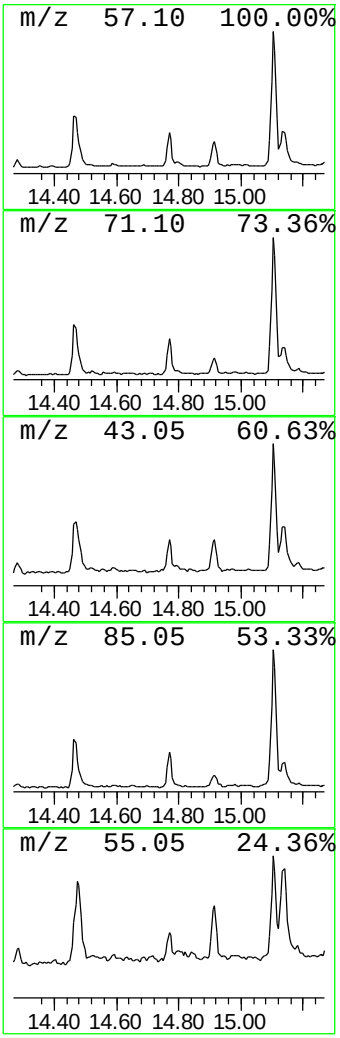
**********

Peak Number 11 Tetradecane, 2,6,10-trimethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.77 | 2.95 ng | 174432 | Perylene-d12 | 15.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane, 2,6,10-trimethyl- | 240 | C17H36 | 014905-56-7 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 87 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 5 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 83 |



# Library Search Compound Report

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Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.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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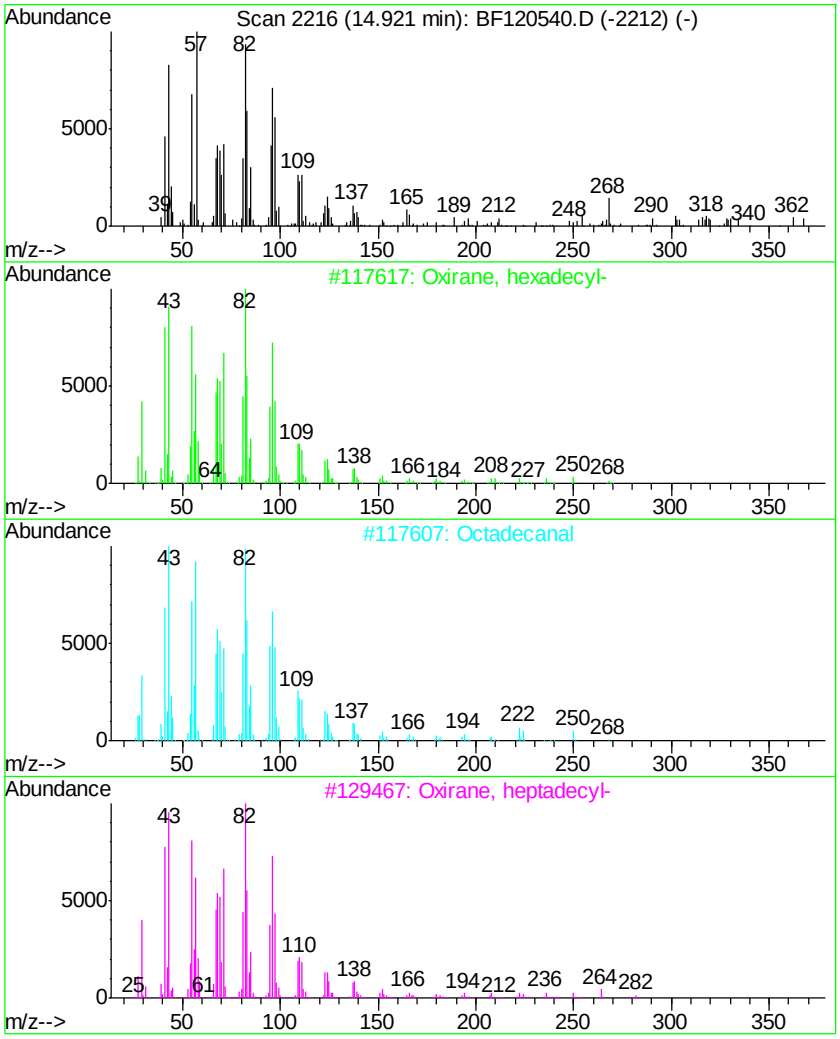
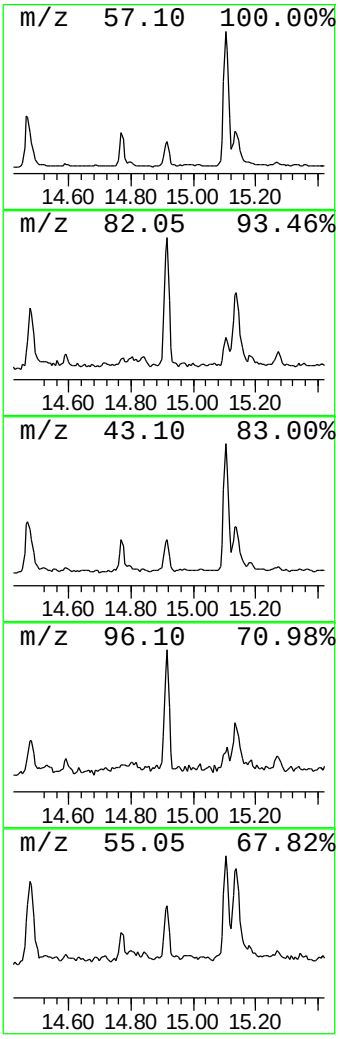
Peak Number 12 Oxirane, hexadecyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.92 | 4.62 ng | 273206 | Perylene-d12 | 15.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 93 |
| 2 | Octadecanal | 268 | C18H36O | 000638-66-4 | 91 |
| 3 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 91 |
| 4 | Tetradecanal | 212 | C14H28O | 000124-25-4 | 87 |
| 5 | (Z)-14-Tricosenyl formate | 366 | C24H46O2 | 077899-10-6 | 64 |



# Library Search Compound Report

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Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.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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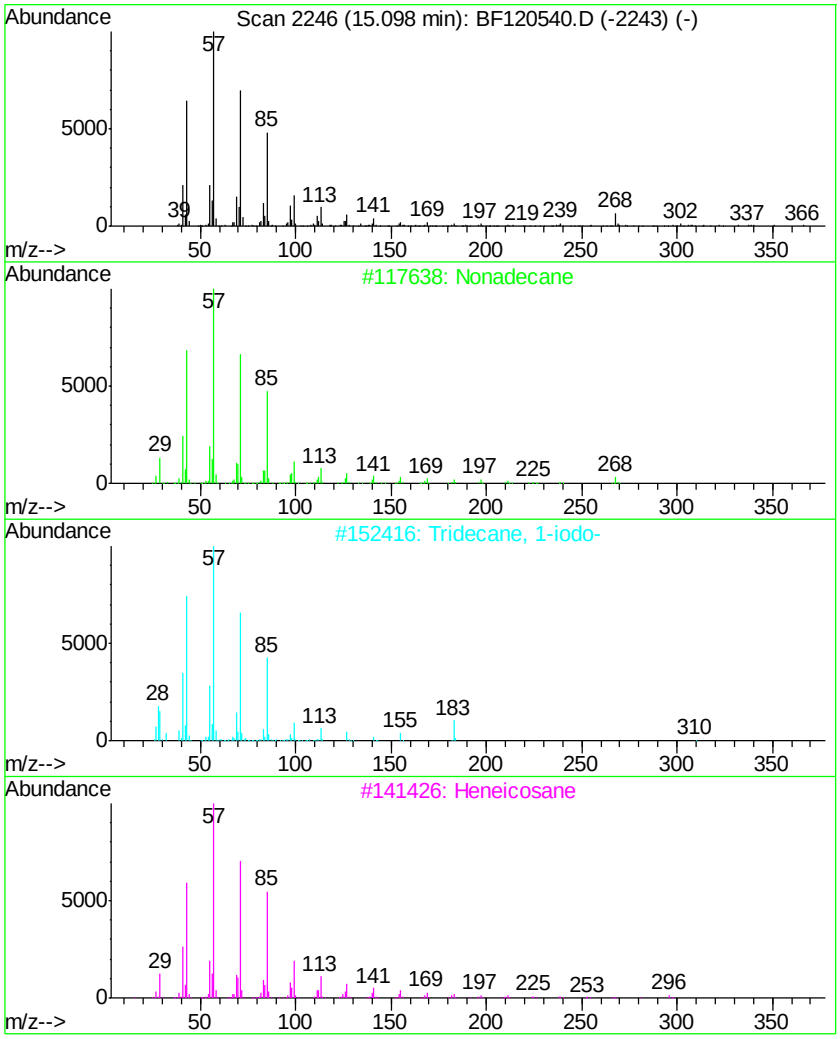
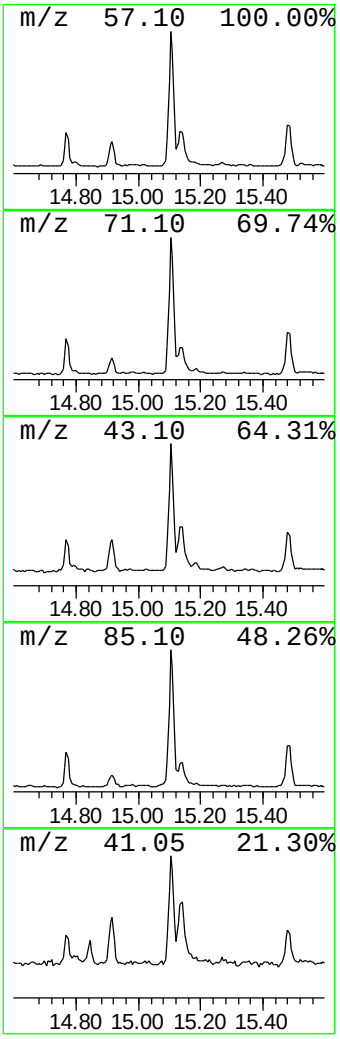
Peak Number 13 Nonadecane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.10 | 11.93 ng | 705876 | Perylene-d12 | 15.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 93 |
| 2 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 91 |



Library Search Compound Report

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Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.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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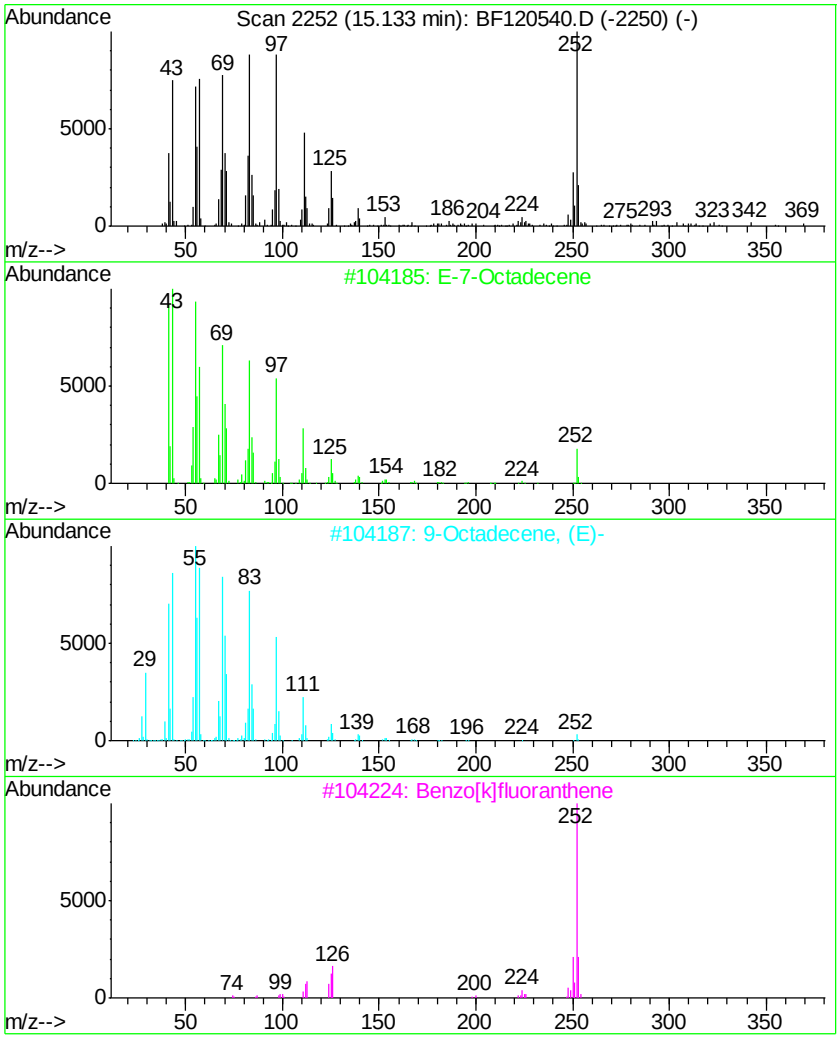
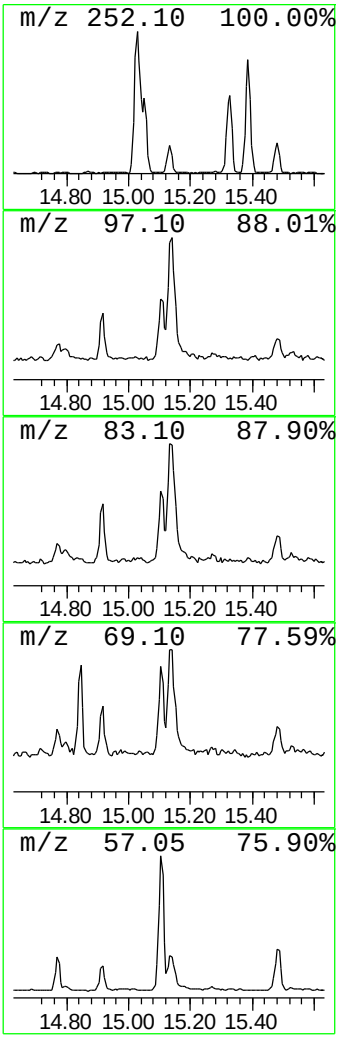
Peak Number 14 E-7-Octadecene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.13 | 8.07 ng | 477547 | Perylene-d12 | 15.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | E-7-Octadecene | 252 | C18H36 | 1000130-92-0 | 95 |
| 2 | 9-Octadecene, (E)- | 252 | C18H36 | 007206-25-9 | 91 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 68 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 64 |
| 5 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.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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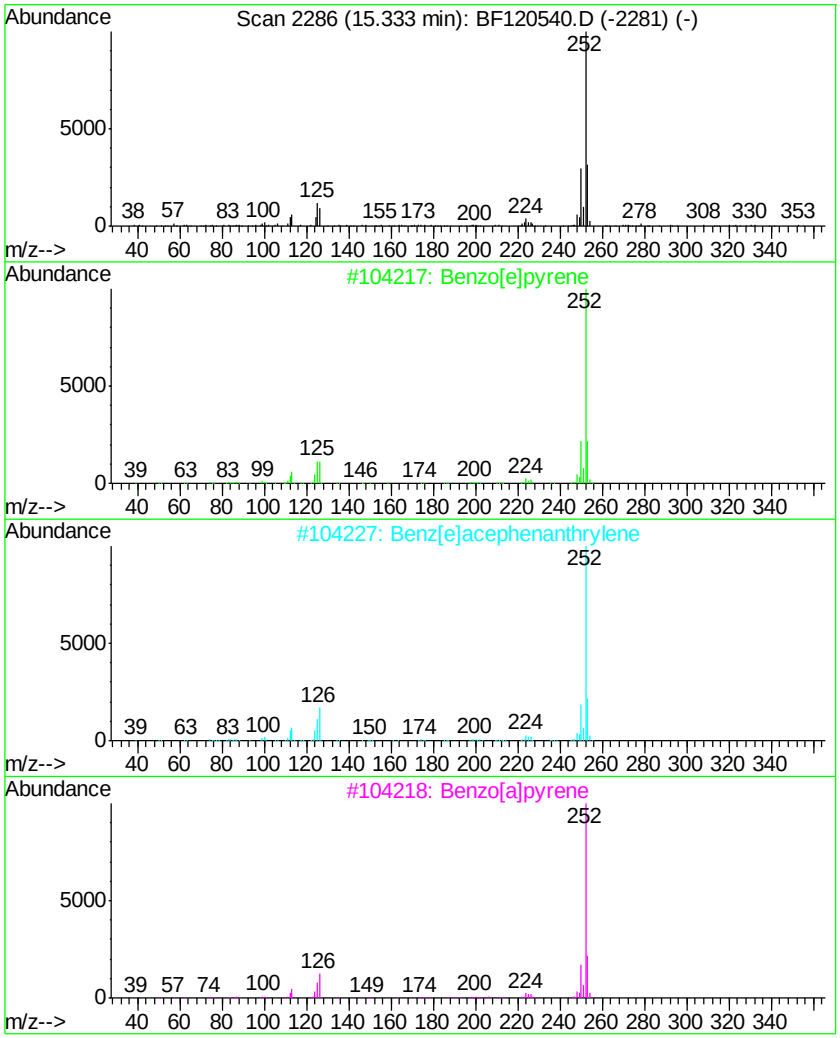
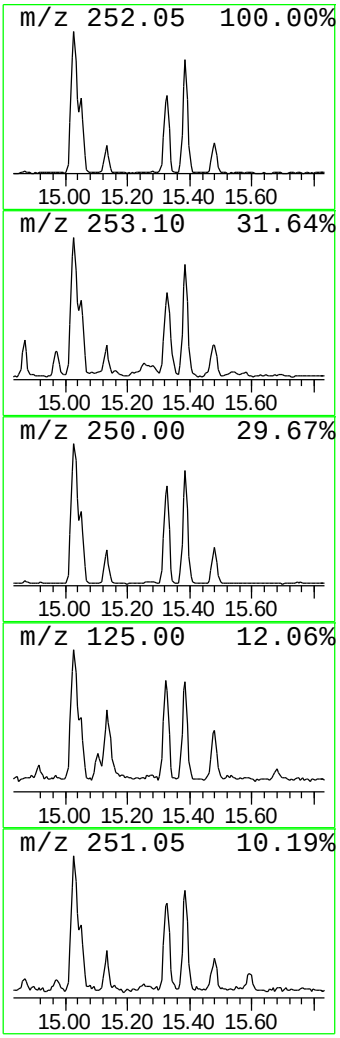
Peak Number 15 Benzo[e]pyrene Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.33 | 4.52 ng | 267339 | Perylene-d12 | 15.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 96 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 96 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 95 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.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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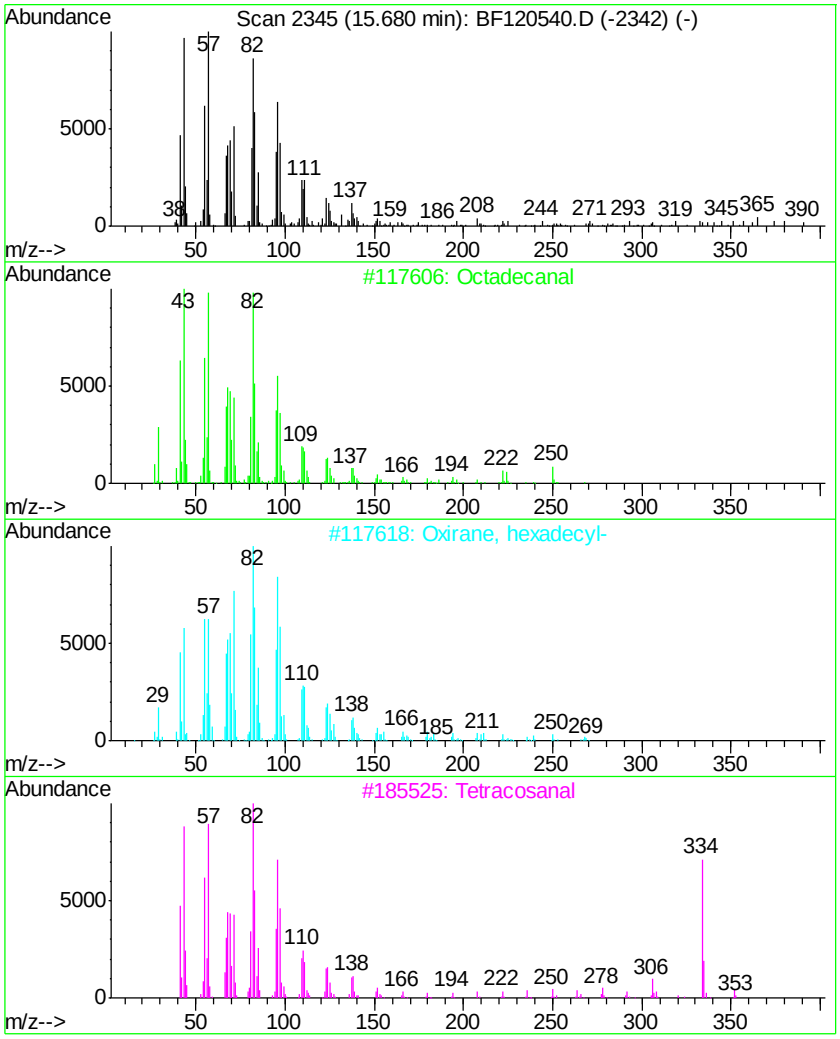
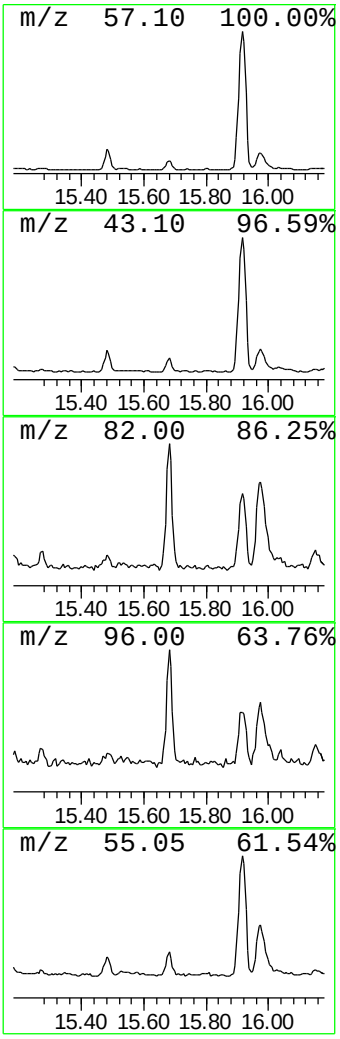
Peak Number 16 Octadecanal Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.68 | 4.18 ng | 247580 | Perylene-d12 | 15.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanal | 268 | C18H36O | 000638-66-4 | 91 |
| 2 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 91 |
| 3 | Tetracosanal | 352 | C24H48O | 057866-08-7 | 91 |
| 4 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 90 |
| 5 | Tetradecanal | 212 | C14H28O | 000124-25-4 | 89 |



# Library Search Compound Report

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Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.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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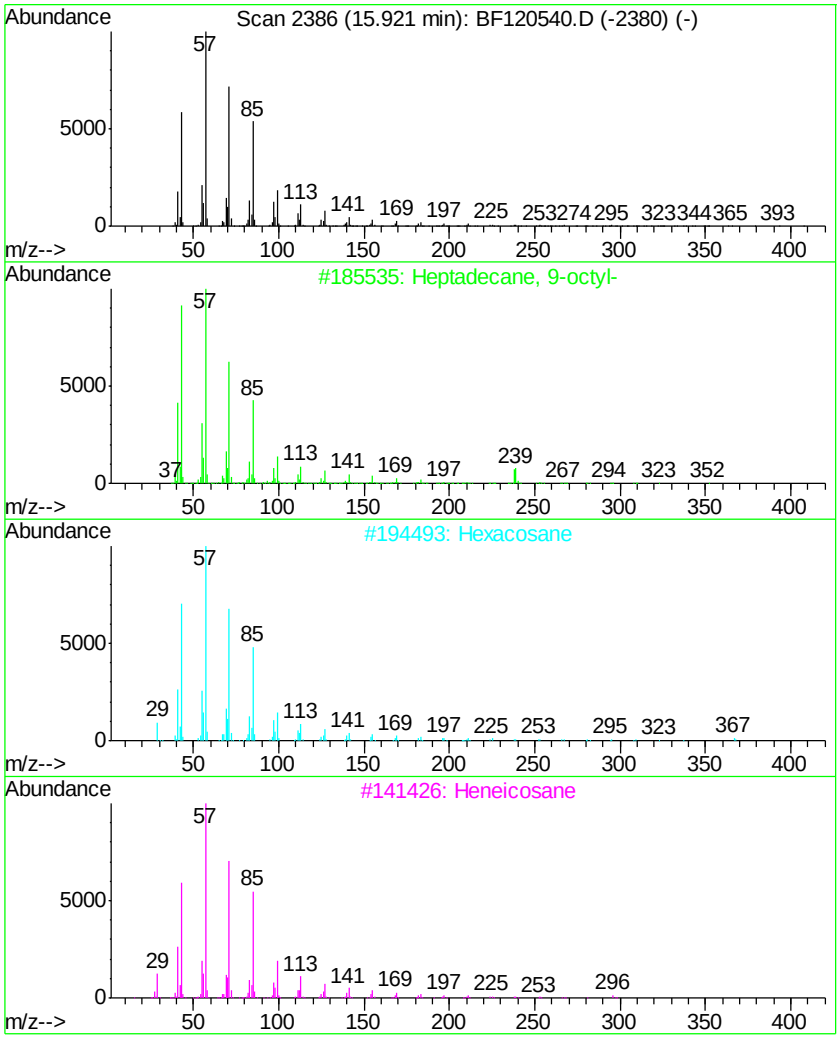
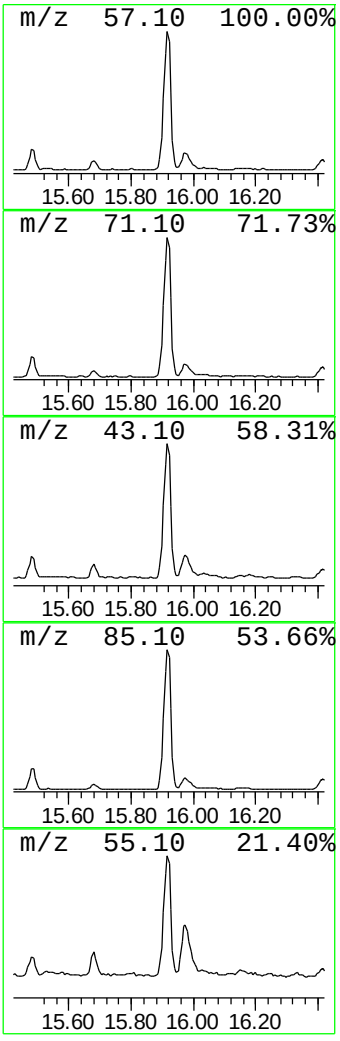
Peak Number 17 Heptadecane, 9-octyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.92 | 32.76 ng | 1939210 | Perylene-d12 | 15.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 93 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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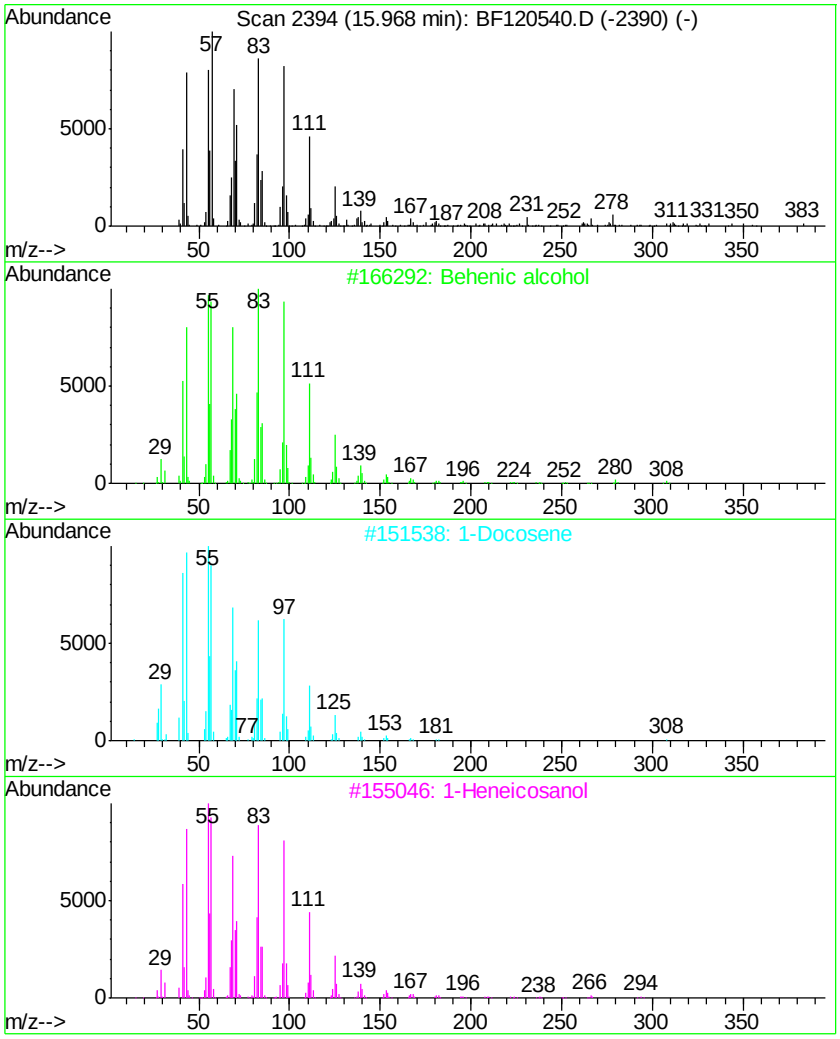
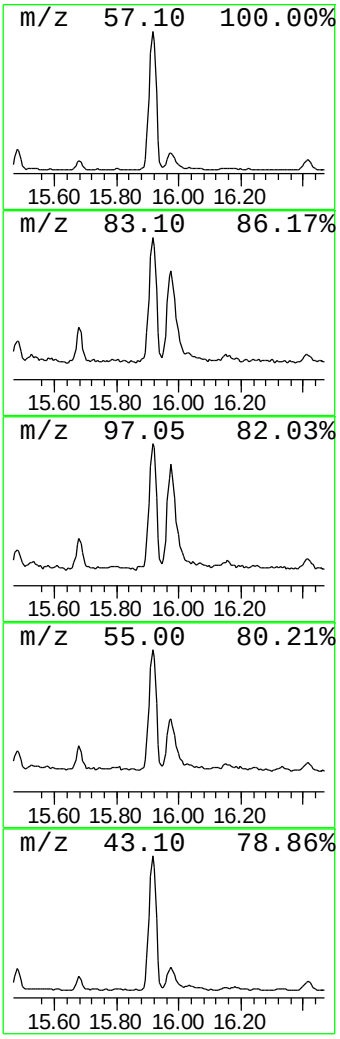
Peak Number 18 Behenic alcohol Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.97 | 10.42 ng | 616626 | Perylene-d12 | 15.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 95 |
| 2 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 93 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 4 | 1-Docosanethiol | 342 | C22H46S | 007773-83-3 | 91 |
| 5 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

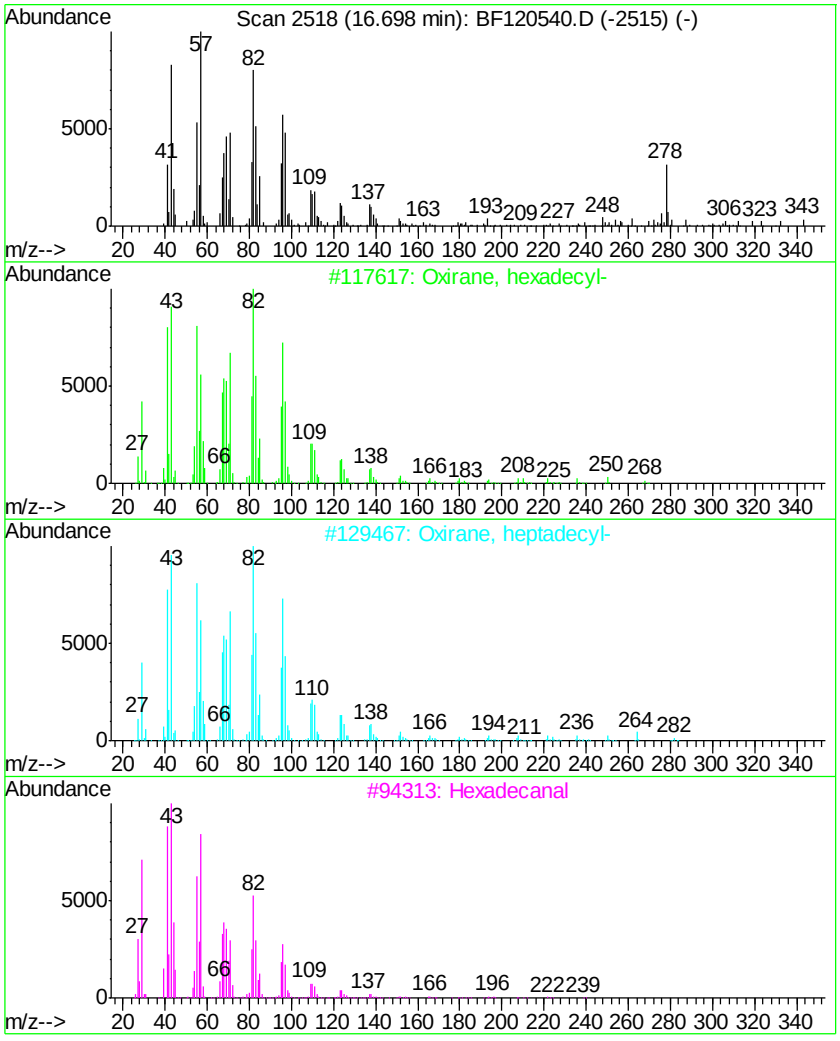
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

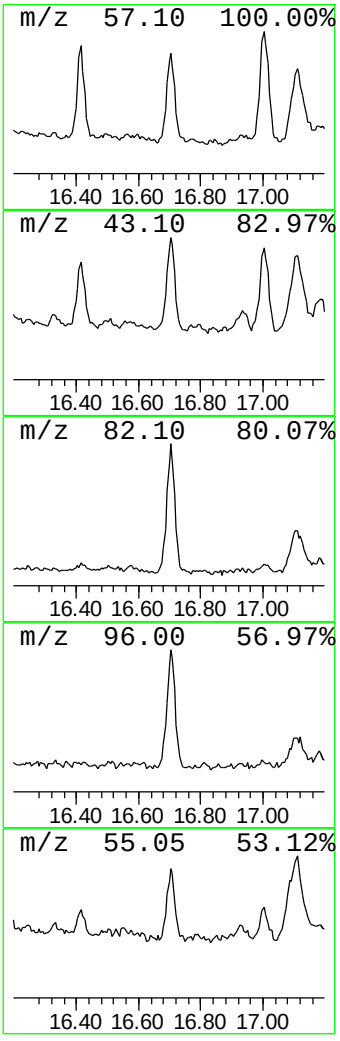
**********

Peak Number 19 Oxirane, heptadecyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.70 | 6.39 ng | 378448 | Perylene-d12 | 15.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 80 |
| 2 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 74 |
| 3 | Hexadecanal | 240 | C16H32O | 000629-80-1 | 64 |
| 4 | 1,19-Eicosadiene | 278 | C20H38 | 014811-95-1 | 64 |
| 5 | Octadecanal | 268 | C18H36O | 000638-66-4 | 64 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

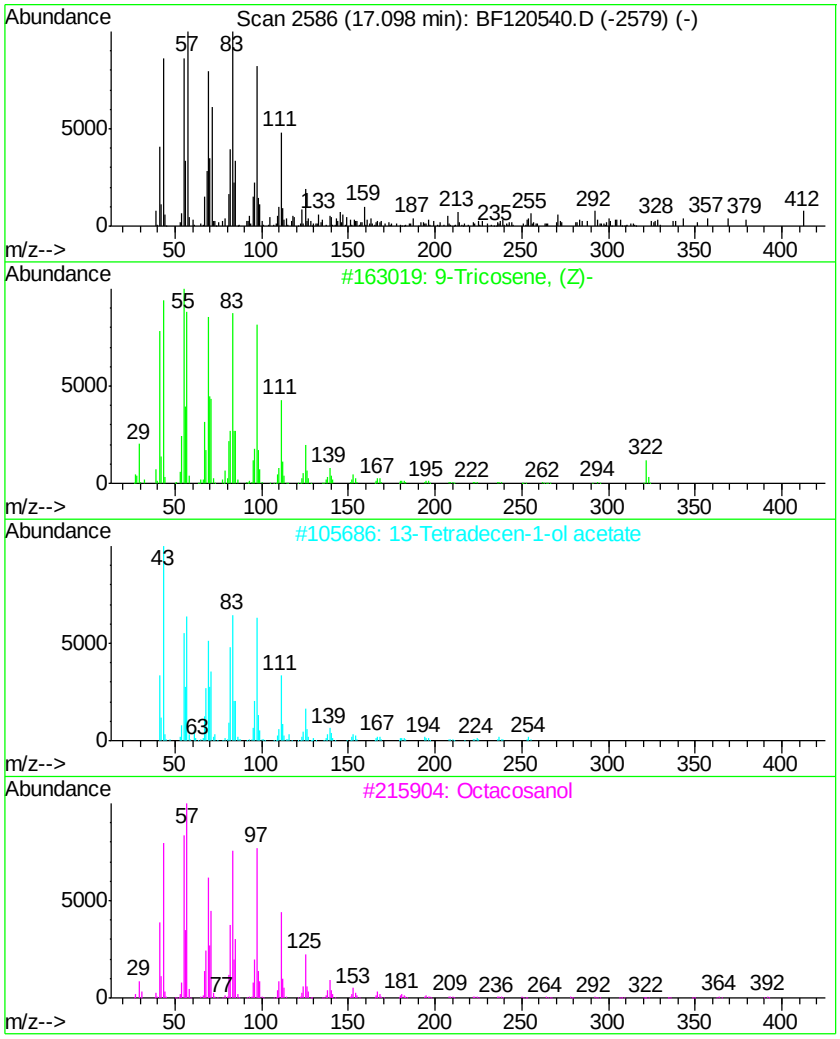
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

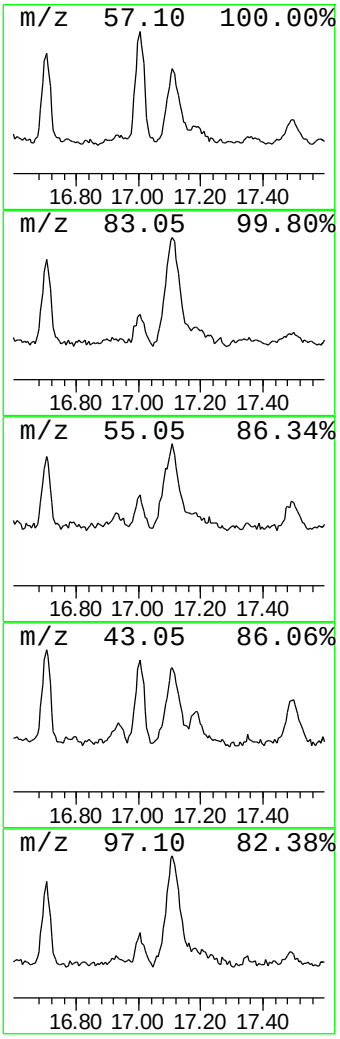
**********

Peak Number 20 9-Tricosene, (Z)- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.10 | 8.86 ng | 524258 | Perylene-d12 | 15.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Tricosene, (Z)- | 322 | C23H46 | 027519-02-4 | 93 |
| 2 | 13-Tetradecen-1-ol acetate | 254 | C16H30O2 | 056221-91-1 | 91 |
| 3 | Octacosanol | 410 | C28H58O | 000557-61-9 | 90 |
| 4 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 87 |
| 5 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060420\
Data File : BF120540.D
Acq On : 4 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NM1-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.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 |
| Methylene chloride | 1.95 | 76.3 | ng | 4620260 | 1 | 6.83 | 1210430 | 20.0 |
| Butane, 2-methoxy... | 2.06 | 30.3 | ng | 1834570 | 1 | 6.83 | 1210430 | 20.0 |
| Butanoic acid, 3-... | 5.13 | 3.8 | ng | 230612 | 1 | 6.83 | 1210430 | 20.0 |
| 4-((1E)-3-Hydroxy... | 11.02 | 3.1 | ng | 262481 | 4 | 11.35 | 1665170 | 20.0 |
| 9-Hexadecenoic acid | 11.82 | 11.6 | ng | 962379 | 4 | 11.35 | 1665170 | 20.0 |
| Anthracene, 1-met... | 11.85 | 4.6 | ng | 385402 | 4 | 11.35 | 1665170 | 20.0 |
| n-Hexadecanoic acid | 11.89 | 7.0 | ng | 584088 | 4 | 11.35 | 1665170 | 20.0 |
| Cetene | 13.84 | 8.3 | ng | 890386 | 5 | 13.99 | 2148480 | 20.0 |
| 1-Nonadecene | 14.47 | 5.1 | ng | 551297 | 5 | 13.99 | 2148480 | 20.0 |
| Tetradecane, 2,6,... | 14.77 | 3.0 | ng | 174432 | 6 | 15.45 | 1183710 | 20.0 |
| Oxirane, hexadecyl- | 14.92 | 4.6 | ng | 273206 | 6 | 15.45 | 1183710 | 20.0 |
| Nonadecane | 15.10 | 11.9 | ng | 705876 | 6 | 15.45 | 1183710 | 20.0 |
| E-7-Octadecene | 15.13 | 8.1 | ng | 477547 | 6 | 15.45 | 1183710 | 20.0 |
| Benzo[e]pyrene | 15.33 | 4.5 | ng | 267339 | 6 | 15.45 | 1183710 | 20.0 |
| Octadecanal | 15.68 | 4.2 | ng | 247580 | 6 | 15.45 | 1183710 | 20.0 |
| Heptadecane, 9-oc... | 15.92 | 32.8 | ng | 1939210 | 6 | 15.45 | 1183710 | 20.0 |
| Behenic alcohol | 15.97 | 10.4 | ng | 616626 | 6 | 15.45 | 1183710 | 20.0 |
| Oxirane, heptadecyl- | 16.70 | 6.4 | ng | 378448 | 6 | 15.45 | 1183710 | 20.0 |
| 9-Tricosene, (Z)- | 17.10 | 8.9 | ng | 524258 | 6 | 15.45 | 1183710 | 20.0 |