LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

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-BF040820.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 | 5.263 | 537 | 540 | 552 | rBV | 1943465 | 1910213 | 76.47% | 6.821% |
| 2 | 6.310 | 714 | 718 | 730 | rBV | 2161237 | 2013612 | 80.61% | 7.190% |
| 3 | 6.498 | 747 | 750 | 755 | rBV | 52640 | 50000 | 2.00% | 0.179% |
| 4 | 6.663 | 774 | 778 | 781 | rBV | 1147054 | 981179 | 39.28% | 3.503% |
| 5 | 6.816 | 800 | 804 | 808 | rBV | 2046925 | 1676632 | 67.12% | 5.987% |
| 6 | 7.228 | 869 | 874 | 877 | rBV | 1594979 | 1331395 | 53.30% | 4.754% |
| 7 | 7.945 | 992 | 996 | 999 | rBV | 1564134 | 1298745 | 51.99% | 4.637% |
| 8 | 8.657 | 1111 | 1117 | 1121 | rVB | 37963 | 38500 | 1.54% | 0.137% |
| 9 | 8.757 | 1131 | 1134 | 1138 | rVB | 45698 | 42031 | 1.68% | 0.150% |
| 10 | 9.028 | 1175 | 1180 | 1183 | rBV | 2870183 | 2497913 | 100.00% | 8.919% |
| 11 | 9.110 | 1190 | 1194 | 1199 | rBV3 | 26071 | 40022 | 1.60% | 0.143% |
| 12 | 9.292 | 1221 | 1225 | 1228 | rBV2 | 28363 | 38391 | 1.54% | 0.137% |
| 13 | 9.357 | 1233 | 1236 | 1239 | rBV | 57362 | 56052 | 2.24% | 0.200% |
| 14 | 9.422 | 1243 | 1247 | 1251 | rVB | 363142 | 287896 | 11.53% | 1.028% |
| 15 | 9.557 | 1267 | 1270 | 1276 | rVB | 68874 | 58489 | 2.34% | 0.209% |
| 16 | 9.698 | 1289 | 1294 | 1297 | rBV | 1623615 | 1372266 | 54.94% | 4.900% |
| 17 | 9.728 | 1297 | 1299 | 1304 | rVB | 62012 | 60321 | 2.41% | 0.215% |
| 18 | 9.904 | 1326 | 1329 | 1332 | rVB | 59096 | 46144 | 1.85% | 0.165% |
| 19 | 10.016 | 1343 | 1348 | 1351 | rBV3 | 33761 | 39305 | 1.57% | 0.140% |
| 20 | 10.104 | 1359 | 1363 | 1365 | rBV4 | 21396 | 28512 | 1.14% | 0.102% |
| 21 | 10.245 | 1384 | 1387 | 1393 | rVB | 110537 | 100891 | 4.04% | 0.360% |
| 22 | 10.404 | 1411 | 1414 | 1419 | rVB4 | 26671 | 30512 | 1.22% | 0.109% |
| 23 | 10.486 | 1424 | 1428 | 1432 | rBV | 1607473 | 1359574 | 54.43% | 4.855% |
| 24 | 10.616 | 1446 | 1450 | 1454 | rVB4 | 48311 | 58879 | 2.36% | 0.210% |
| 25 | 10.792 | 1476 | 1480 | 1483 | rBV3 | 37804 | 46749 | 1.87% | 0.167% |
| 26 | 11.080 | 1527 | 1529 | 1534 | rVB2 | 48795 | 55464 | 2.22% | 0.198% |
| 27 | 11.180 | 1542 | 1546 | 1548 | rBV | 1467091 | 1249055 | 50.00% | 4.460% |
| 28 | 11.204 | 1548 | 1550 | 1554 | rVV | 675190 | 493368 | 19.75% | 1.762% |
| 29 | 11.257 | 1554 | 1559 | 1562 | rVB | 157185 | 142702 | 5.71% | 0.510% |
| 30 | 11.292 | 1562 | 1565 | 1568 | rBV | 38179 | 41993 | 1.68% | 0.150% |
| 31 | 11.416 | 1583 | 1586 | 1593 | rBV | 42501 | 50618 | 2.03% | 0.181% |
| 32 | 11.510 | 1600 | 1602 | 1611 | rVB2 | 42393 | 47186 | 1.89% | 0.168% |
| 33 | 11.586 | 1611 | 1615 | 1620 | rVB2 | 64499 | 72316 | 2.90% | 0.258% |
| 34 | 11.680 | 1628 | 1631 | 1634 | rBV | 129129 | 121478 | 4.86% | 0.434% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.722 | 1634 | 1638 | 1642 | rVV2 | 336979 | 432766 | 17.33% | 1.545% |
| 36 | 11.757 | 1642 | 1644 | 1646 | rVV | 79291 | 75171 | 3.01% | 0.268% |
| 37 | 11.792 | 1646 | 1650 | 1652 | rVV | 223778 | 243275 | 9.74% | 0.869% |
| 38 | 11.816 | 1652 | 1654 | 1659 | rVB | 114376 | 102702 | 4.11% | 0.367% |
| 39 | 11.974 | 1678 | 1681 | 1684 | rBV | 61961 | 62700 | 2.51% | 0.224% |
| 40 | 12.004 | 1684 | 1686 | 1689 | rVB3 | 42017 | 40063 | 1.60% | 0.143% |
| 41 | 12.157 | 1710 | 1712 | 1714 | rBV | 50171 | 42804 | 1.71% | 0.153% |
| 42 | 12.180 | 1714 | 1716 | 1719 | rVB2 | 41503 | 32505 | 1.30% | 0.116% |
| 43 | 12.233 | 1721 | 1725 | 1727 | rBV | 118821 | 114000 | 4.56% | 0.407% |
| 44 | 12.269 | 1727 | 1731 | 1733 | rVV | 167347 | 186062 | 7.45% | 0.664% |
| 45 | 12.292 | 1733 | 1735 | 1737 | rVV | 189413 | 156730 | 6.27% | 0.560% |
| 46 | 12.316 | 1737 | 1739 | 1743 | rVB2 | 56762 | 67336 | 2.70% | 0.240% |
| 47 | 12.392 | 1748 | 1752 | 1756 | rBV | 849773 | 705750 | 28.25% | 2.520% |
| 48 | 12.439 | 1756 | 1760 | 1766 | rVB6 | 87055 | 130771 | 5.24% | 0.467% |
| 49 | 12.504 | 1766 | 1771 | 1775 | rBV4 | 119781 | 169166 | 6.77% | 0.604% |
| 50 | 12.616 | 1785 | 1790 | 1793 | rBV | 642510 | 694780 | 27.81% | 2.481% |
| 51 | 12.680 | 1798 | 1801 | 1804 | rVB2 | 51487 | 57484 | 2.30% | 0.205% |
| 52 | 12.739 | 1808 | 1811 | 1812 | rBV | 45161 | 35113 | 1.41% | 0.125% |
| 53 | 12.769 | 1812 | 1816 | 1819 | rVV | 2337466 | 1924742 | 77.05% | 6.873% |
| 54 | 12.839 | 1823 | 1828 | 1831 | rBV4 | 78881 | 116556 | 4.67% | 0.416% |
| 55 | 12.927 | 1839 | 1843 | 1844 | rBV4 | 53164 | 63801 | 2.55% | 0.228% |
| 56 | 12.945 | 1844 | 1846 | 1850 | rVB | 147463 | 145276 | 5.82% | 0.519% |
| 57 | 13.016 | 1850 | 1858 | 1861 | rBV2 | 145547 | 190573 | 7.63% | 0.680% |
| 58 | 13.051 | 1861 | 1864 | 1867 | rBV2 | 101919 | 98345 | 3.94% | 0.351% |
| 59 | 13.145 | 1877 | 1880 | 1882 | rVV2 | 65779 | 52151 | 2.09% | 0.186% |
| 60 | 13.174 | 1882 | 1885 | 1888 | rVB | 72702 | 62890 | 2.52% | 0.225% |
| 61 | 13.257 | 1896 | 1899 | 1904 | rVB4 | 85245 | 79061 | 3.17% | 0.282% |
| 62 | 13.457 | 1931 | 1933 | 1937 | rVB | 42837 | 46332 | 1.85% | 0.165% |
| 63 | 13.563 | 1947 | 1951 | 1954 | rBV2 | 66436 | 93154 | 3.73% | 0.333% |
| 64 | 13.616 | 1958 | 1960 | 1962 | rVV | 43218 | 40064 | 1.60% | 0.143% |
| 65 | 13.674 | 1966 | 1970 | 1978 | rVV3 | 167356 | 270548 | 10.83% | 0.966% |
| 66 | 13.816 | 1989 | 1994 | 1997 | rBV2 | 1045140 | 1190639 | 47.67% | 4.251% |
| 67 | 13.839 | 1997 | 1998 | 2001 | rVB | 244757 | 195471 | 7.83% | 0.698% |
| 68 | 13.921 | 2010 | 2012 | 2014 | rVB | 59452 | 45027 | 1.80% | 0.161% |
| 69 | 14.204 | 2058 | 2060 | 2063 | rVB | 87335 | 69247 | 2.77% | 0.247% |
| 70 | 14.239 | 2063 | 2066 | 2068 | rBV | 46230 | 49470 | 1.98% | 0.177% |
| 71 | 14.298 | 2074 | 2076 | 2079 | rBV3 | 92526 | 92858 | 3.72% | 0.332% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.827 | 2162 | 2166 | 2169 | rBV | 276995 | 392568 | 15.72% | 1.402% |
| 73 | 14.904 | 2177 | 2179 | 2182 | rBV | 66283 | 83705 | 3.35% | 0.299% |
| 74 | 15.104 | 2210 | 2213 | 2219 | rVB | 158462 | 199434 | 7.98% | 0.712% |
| 75 | 15.163 | 2219 | 2223 | 2228 | rBV | 251176 | 293372 | 11.74% | 1.048% |
| 76 | 15.221 | 2228 | 2233 | 2236 | rBV | 698935 | 815406 | 32.64% | 2.912% |
| 77 | 15.662 | 2304 | 2308 | 2311 | rBV3 | 63833 | 100642 | 4.03% | 0.359% |
| 78 | 16.562 | 2457 | 2461 | 2470 | rVB2 | 113827 | 207405 | 8.30% | 0.741% |

Sum of corrected areas: 28006318

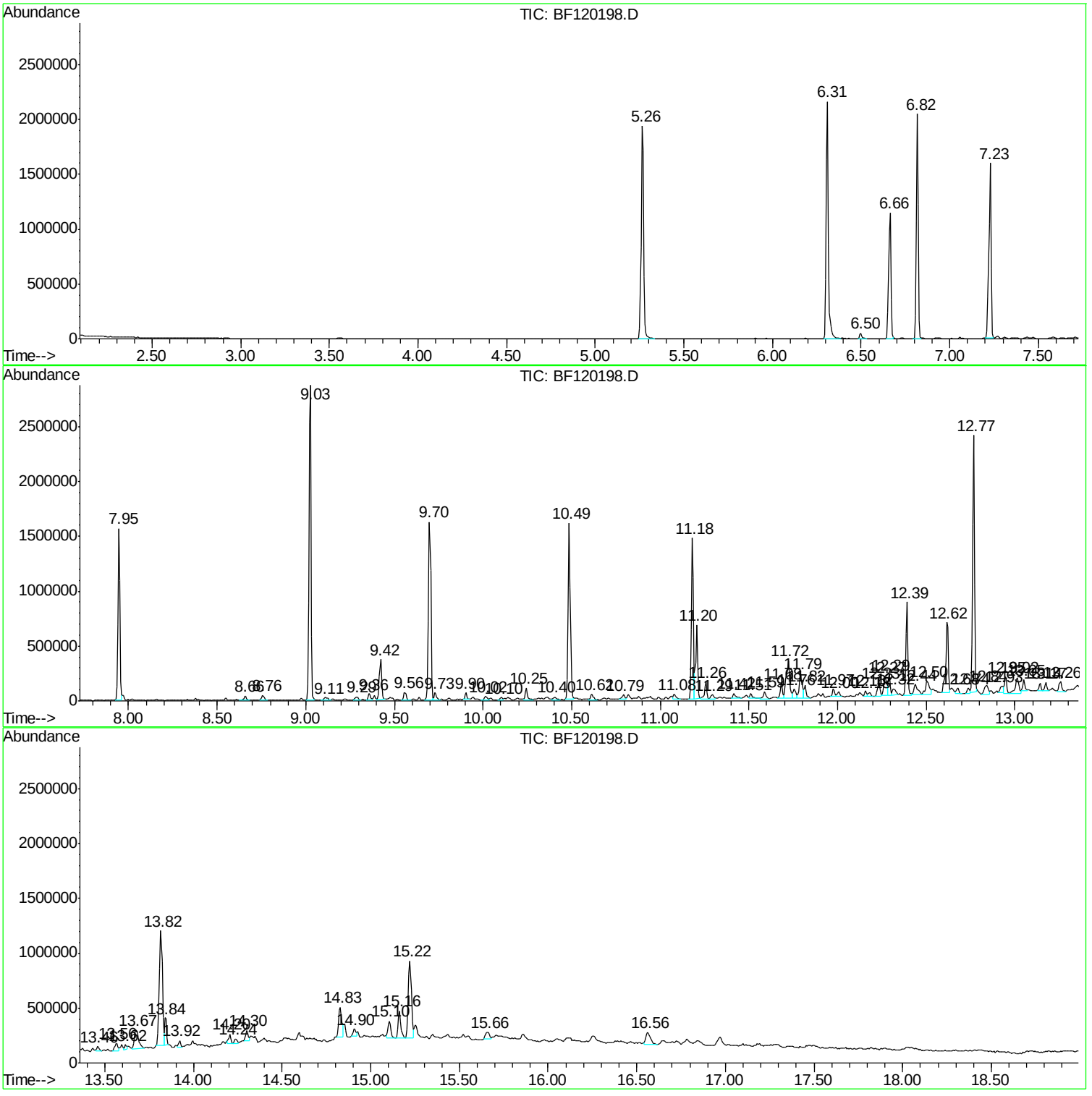
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

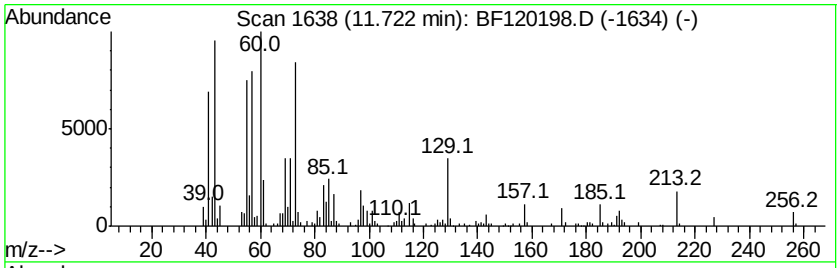
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

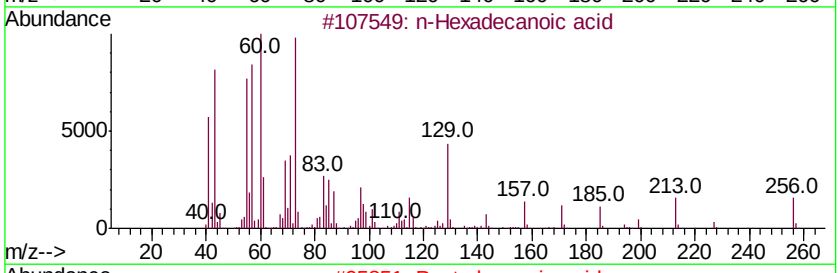
**********

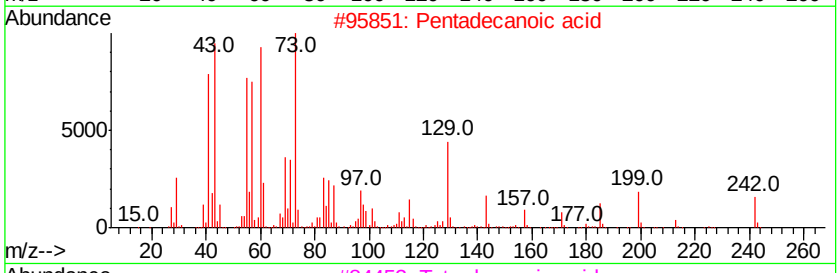
Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

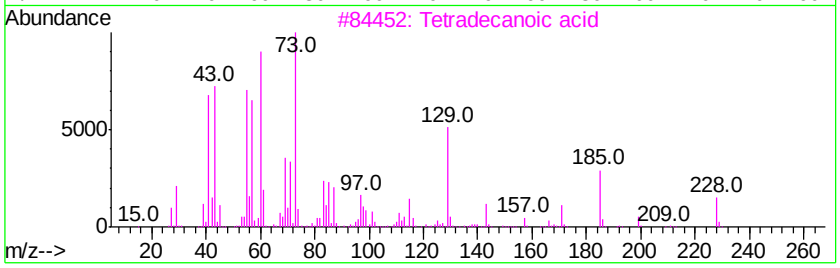
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.72 | 6.93 ng | 432766 | Phenanthrene-d10 | 11.18 |

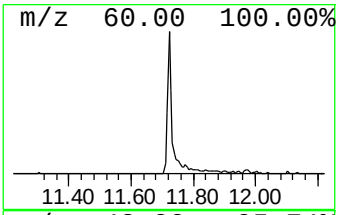
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 86 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 72 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 64 |

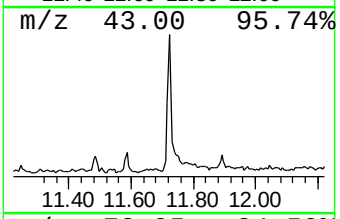


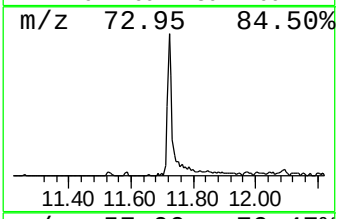



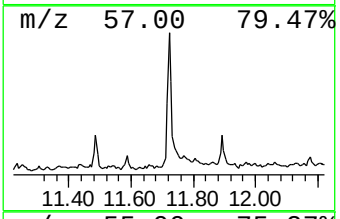



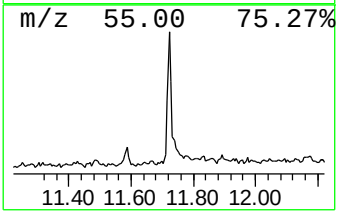



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

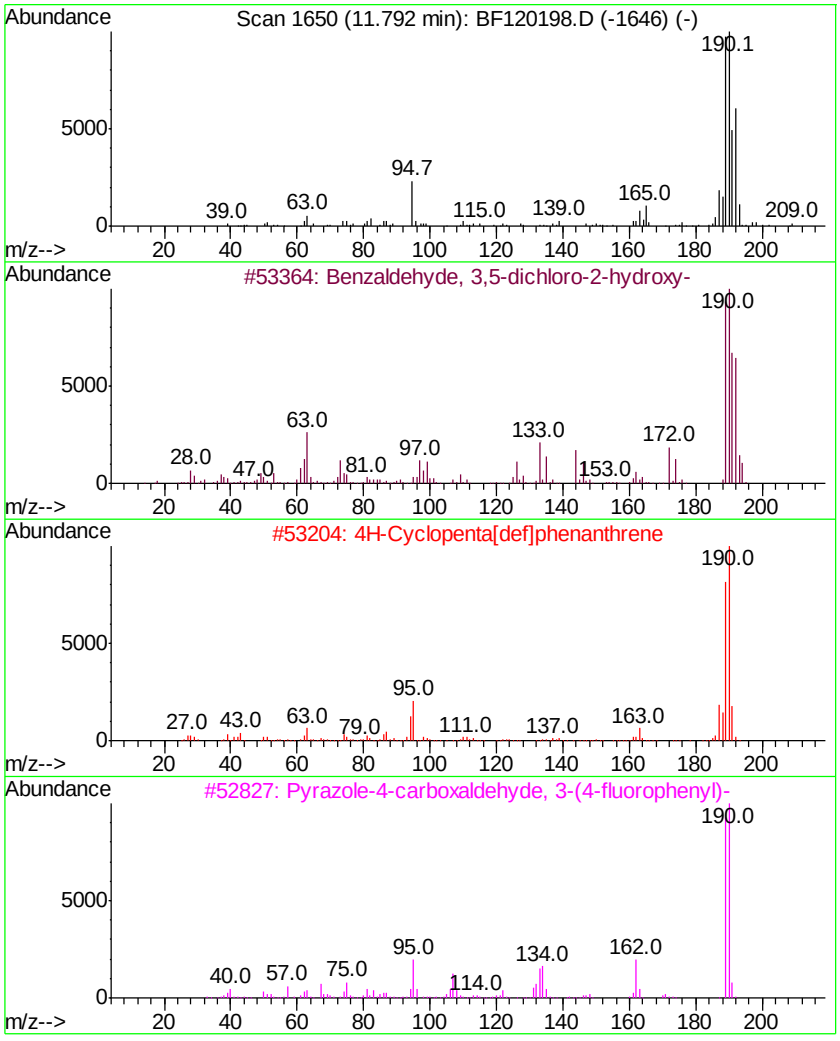
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

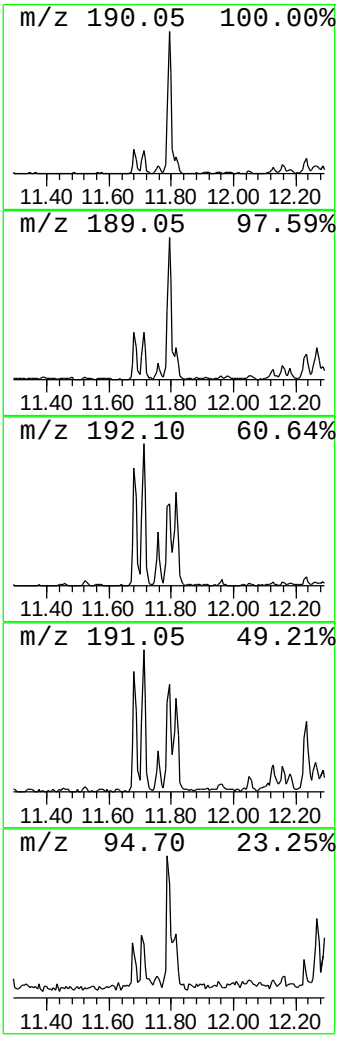
**********

Peak Number 4 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.79 | 3.90 ng | 243275 | Phenanthrene-d10 | 11.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 72 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 64 |
| 3 | Pyrazole-4-carboxaldehyde, 3-(4-... | 190 | C10H7FN2O | 306936-57-2 | 49 |
| 4 | Naphtho[1,2-b]norbornadiene | 192 | C15H12 | 1000210-14-8 | 38 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 25 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

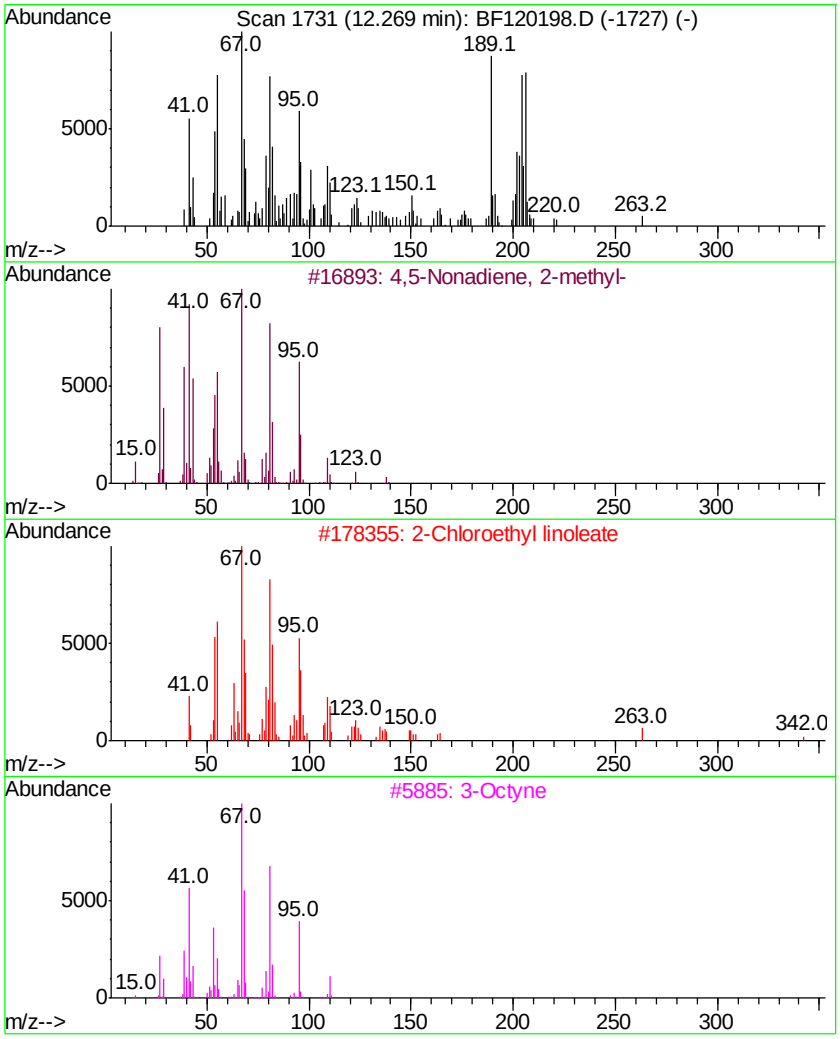
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

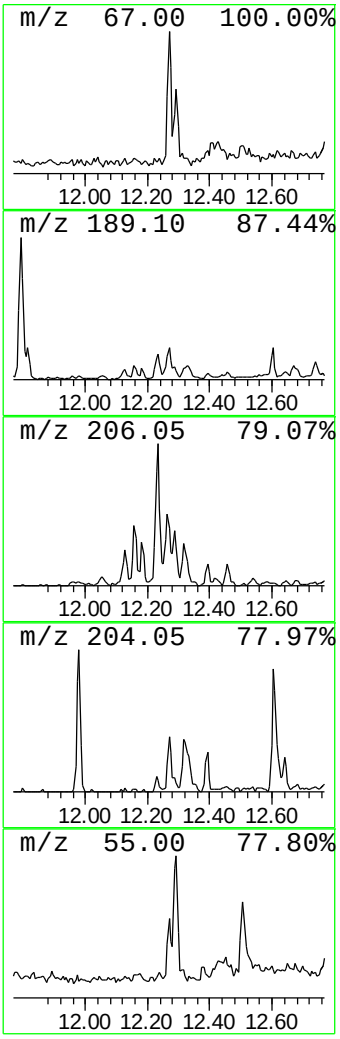
**********

Peak Number 5 unknown12.27 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.27 | 2.98 ng | 186062 | Phenanthrene-d10 | 11.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,5-Nonadiene, 2-methyl- | 138 | C10H18 | 055956-32-6 | 38 |
| 2 | 2-Chloroethyl linoleate | 342 | C20H35ClO2 | 025525-76-2 | 38 |
| 3 | 3-Octyne | 110 | C8H14 | 015232-76-5 | 30 |
| 4 | 4-(Trifluoromethoxy)benzoic acid | 206 | C8H5F3O3 | 000330-12-1 | 25 |
| 5 | 4H-Thiazolo[5,4-b]indole, 7-fluo... | 206 | C10H7FN2S | 1000337-12-3 | 25 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

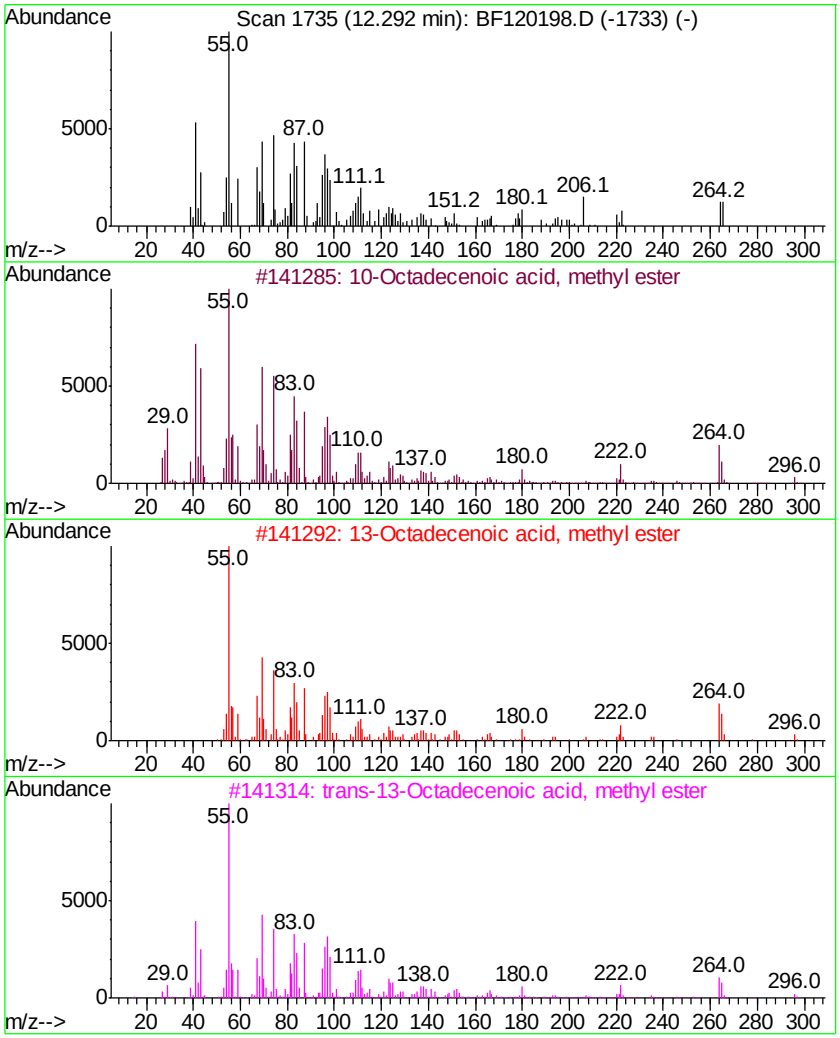
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

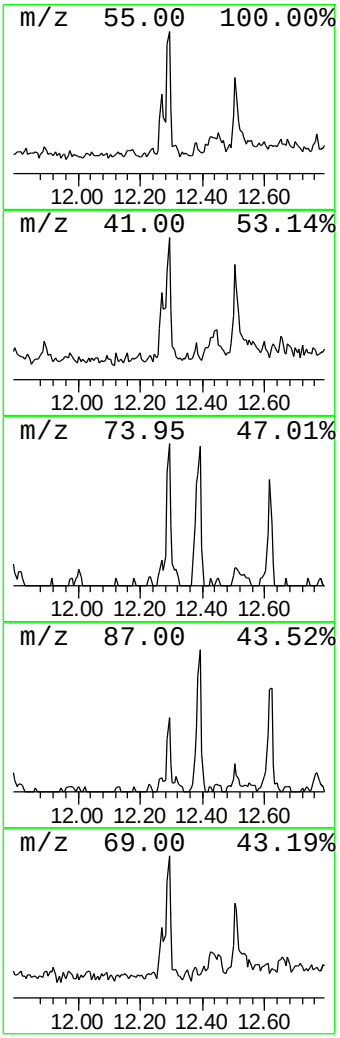
**********

Peak Number 6 10-Octadecenoic acid, methy... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.29 | 2.51 ng | 156730 | Phenanthrene-d10 | 11.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 013481-95-3 | 87 |
| 2 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 86 |
| 3 | trans-13-Octadecenoic acid, meth... | 296 | C19H36O2 | 1000333-61-3 | 68 |
| 4 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 64 |
| 5 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 59 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

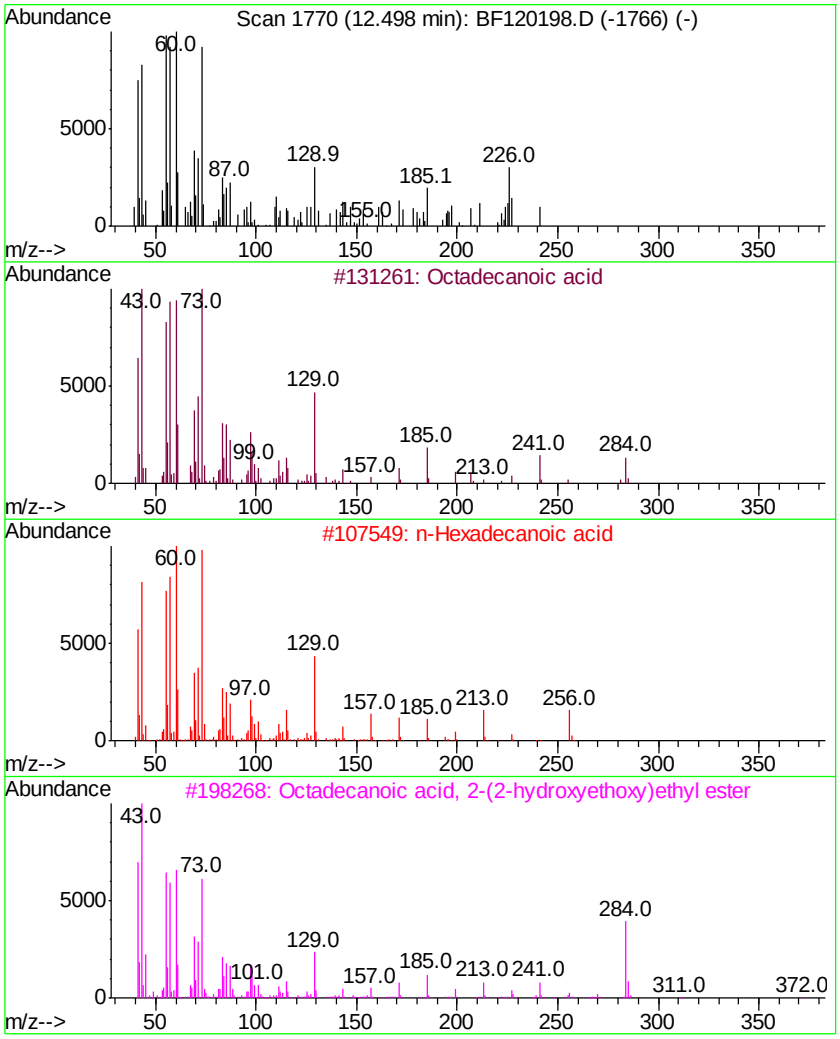
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

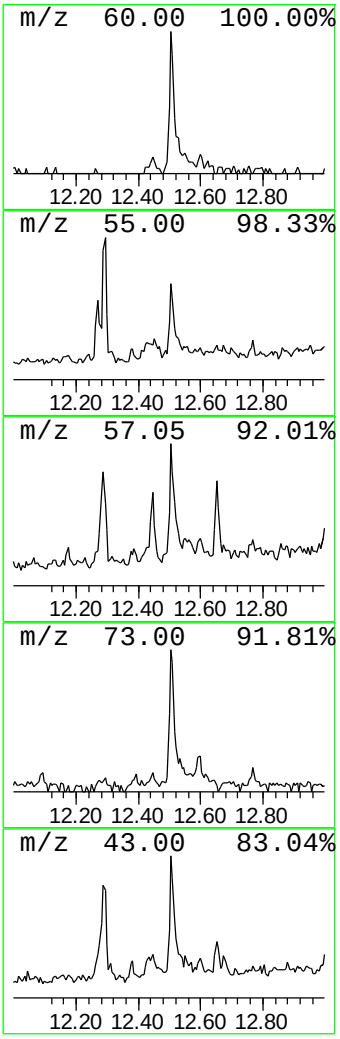
**********

Peak Number 7 Octadecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.50 | 2.84 ng | 169166 | Chrysene-d12 | 13.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 97 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90 |
| 3 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 90 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 80 |
| 5 | Decanoic acid, silver(1+) salt | 278 | C10H19AgO2 | 013126-67-5 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

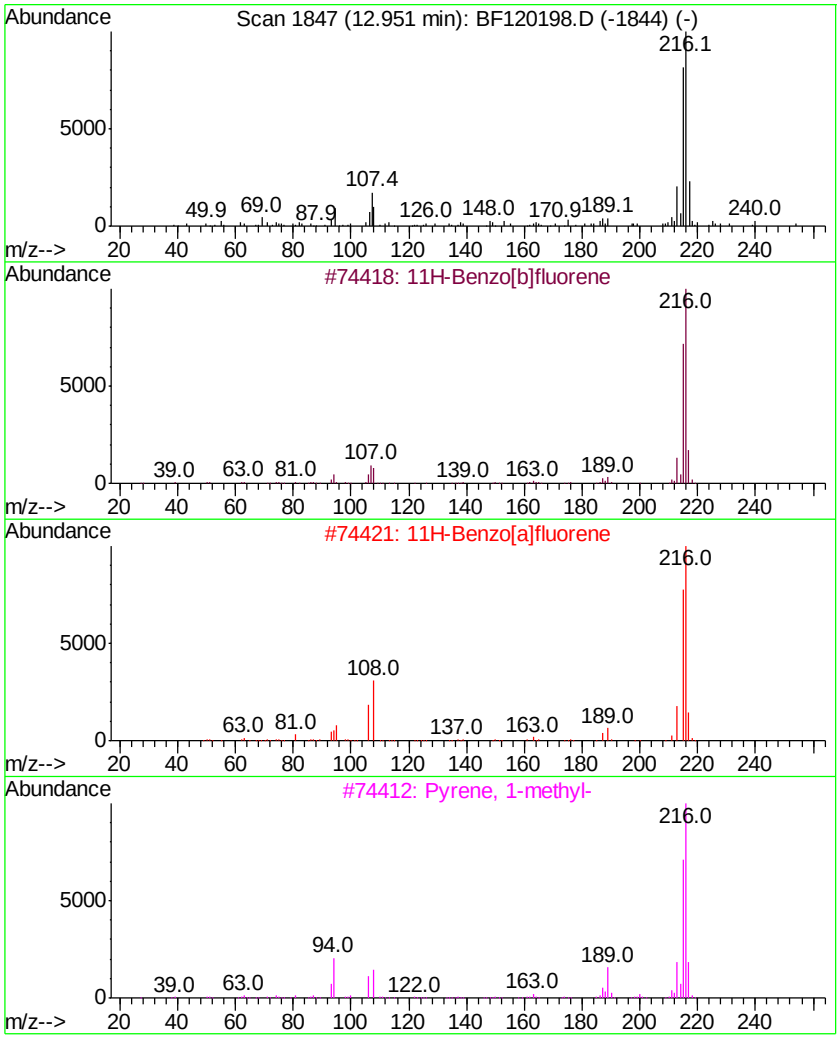
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

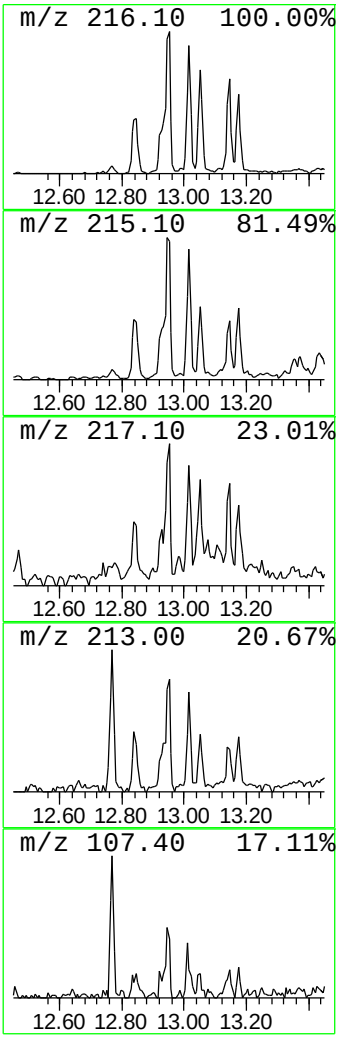
**********

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.95 | 2.44 ng | 145276 | Chrysene-d12 | 13.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 83 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 74 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 72 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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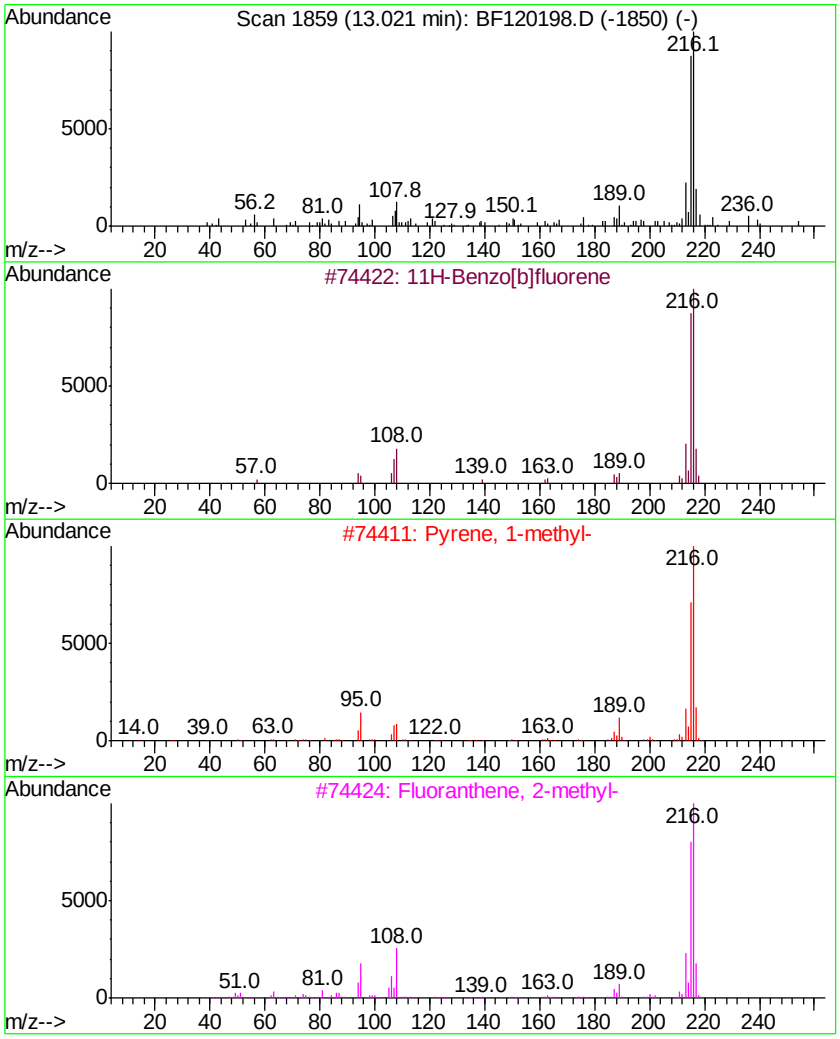
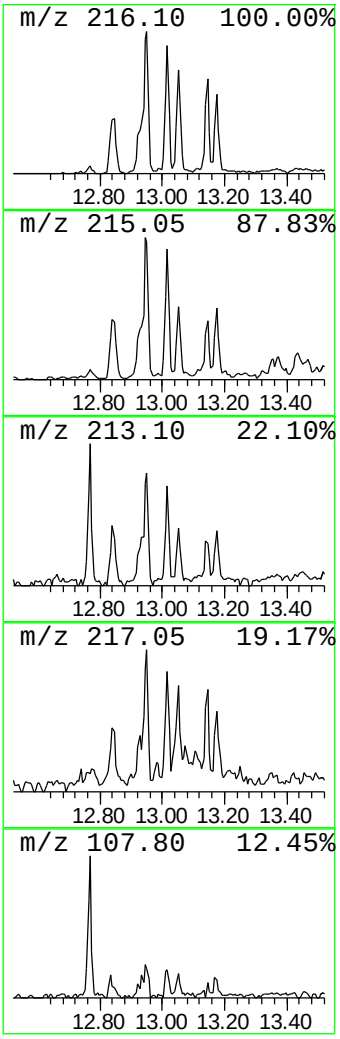
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.02 | 3.20 ng | 190573 | Chrysene-d12 | 13.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 95 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 91 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 83 |
| 5 | 1,3,5-Triazine-2,4,6-triamine, N... | 216 | C10H12N6 | 046731-79-7 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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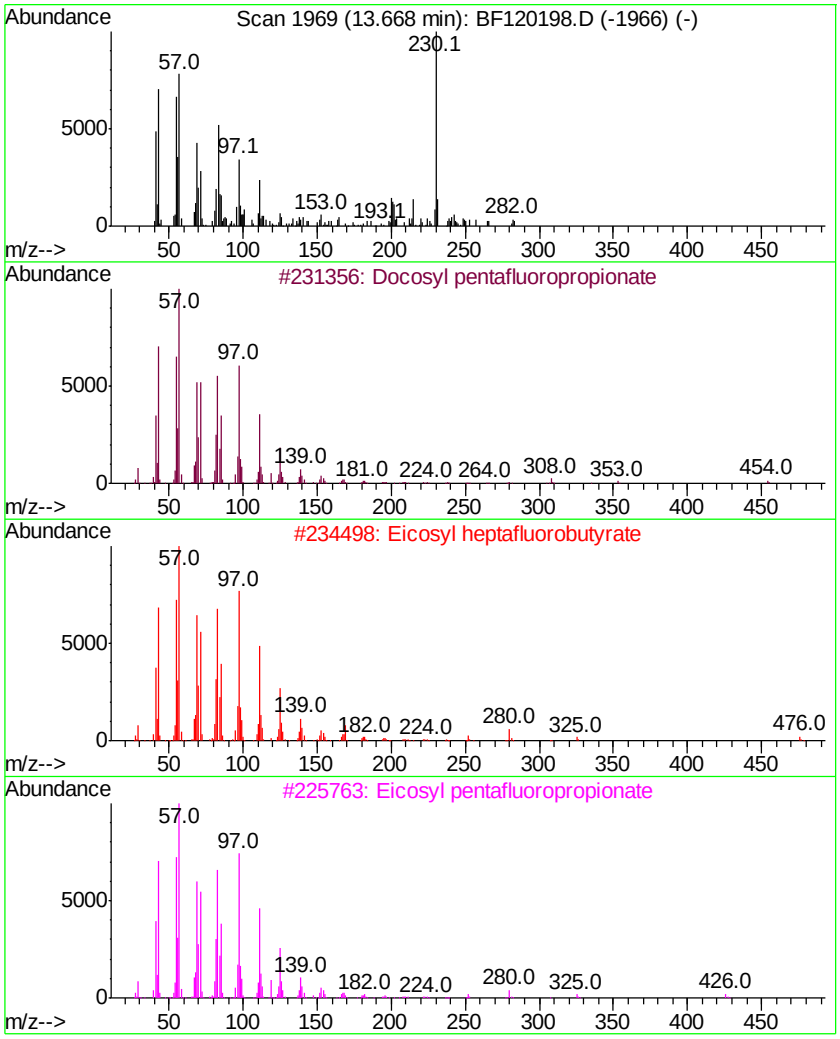
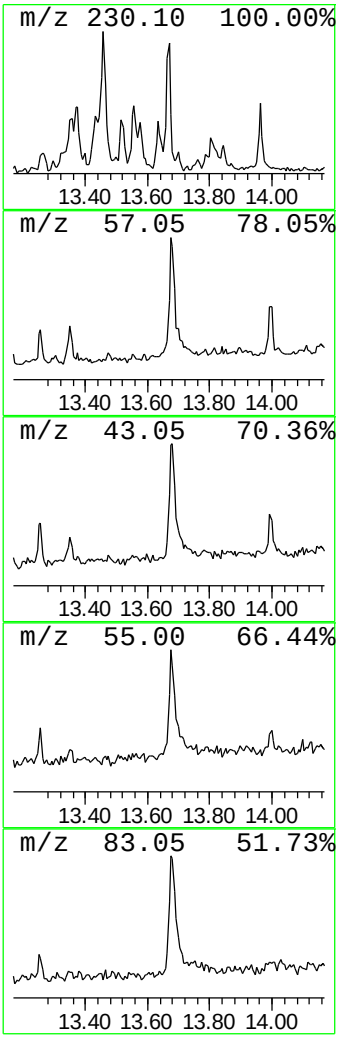
Peak Number 10 Docosyl pentafluoropropionate Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.67 | 4.54 ng | 270548 | Chrysene-d12 | 13.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosyl pentafluoropropionate | 472 | C25H45F5O2 | 1000351-80-9 | 87 |
| 2 | Eicosyl heptafluorobutyrate | 494 | C24H41F7O2 | 1000351-83-5 | 86 |
| 3 | Eicosyl pentafluoropropionate | 444 | C23H41F5O2 | 1000351-80-8 | 86 |
| 4 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 83 |
| 5 | n-Heptadecanol-1 | 256 | C17H36O | 001454-85-9 | 64 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

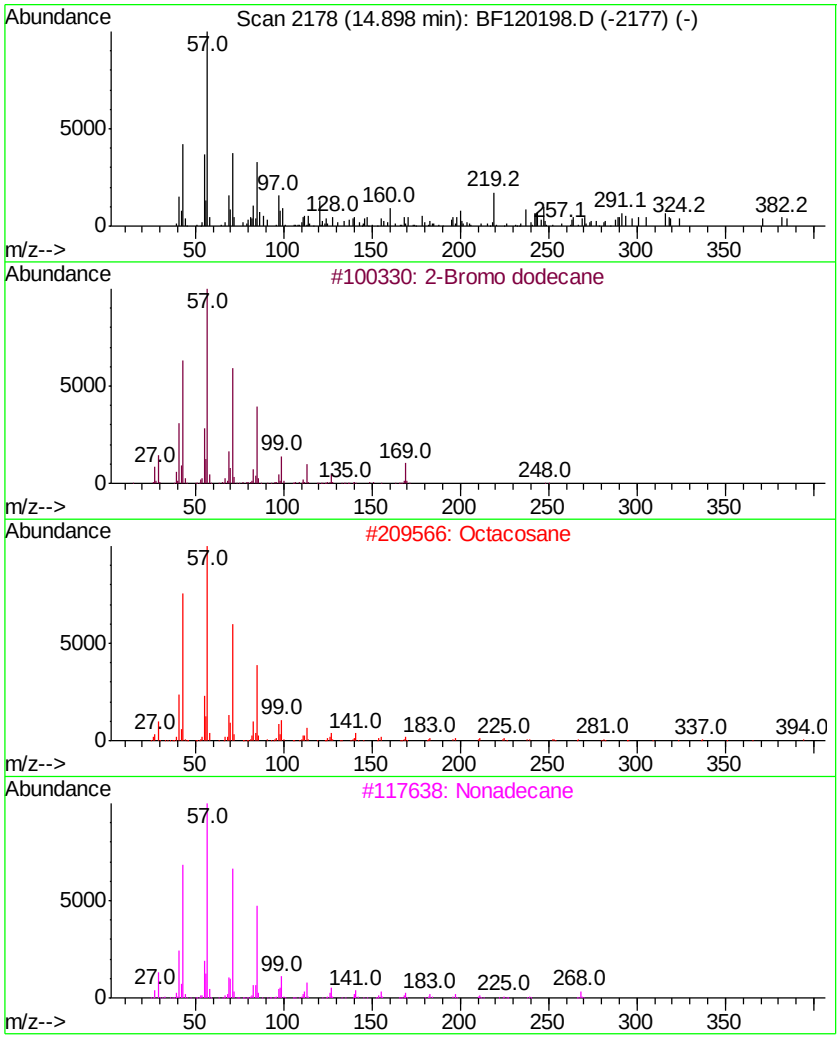
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

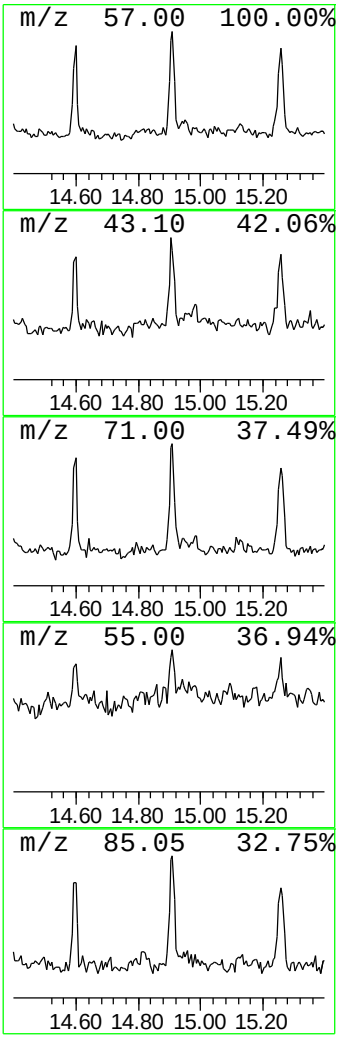
**********

Peak Number 11 2-Bromo dodecane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.90 | 2.05 ng | 83705 | Perylene-d12 | 15.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 87 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 83 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 80 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 80 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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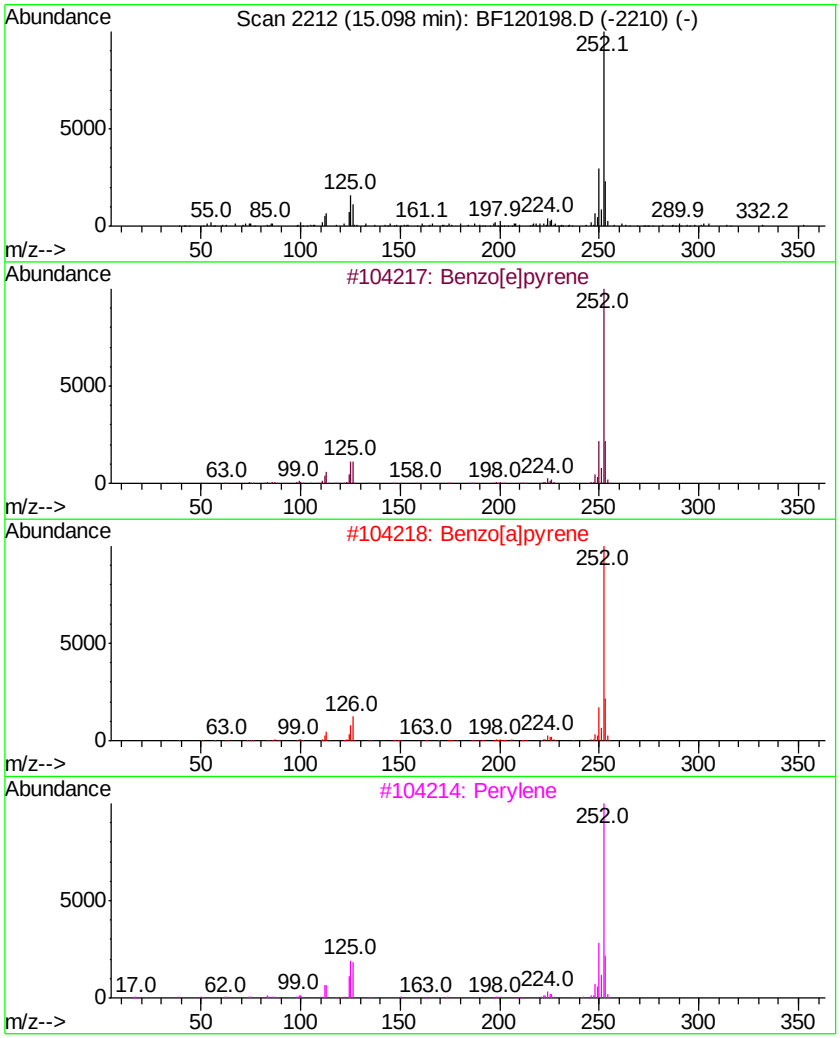
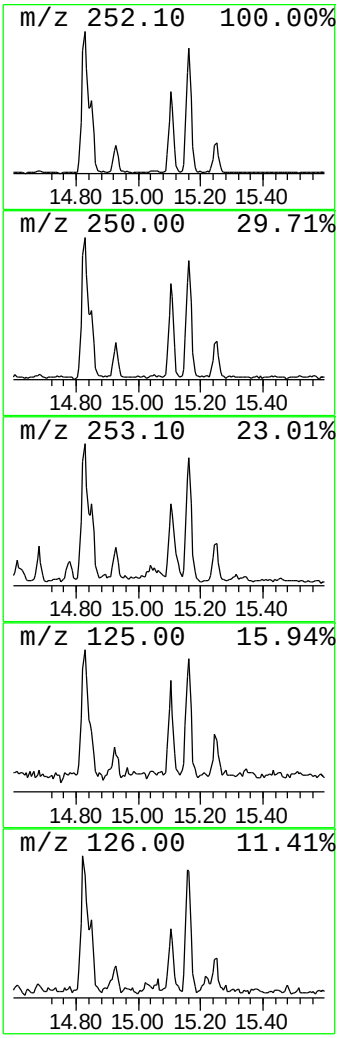
Peak Number 12 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.10 | 4.89 ng | 199434 | Perylene-d12 | 15.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 96 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 95 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 93 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 89 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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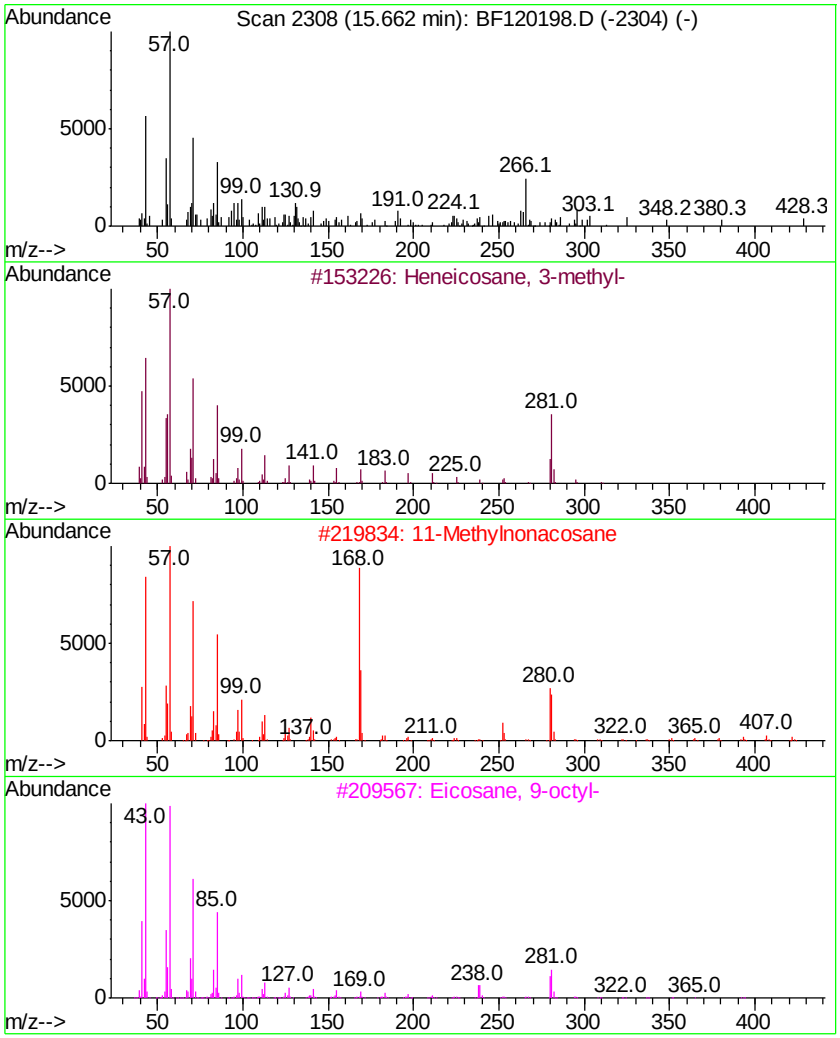
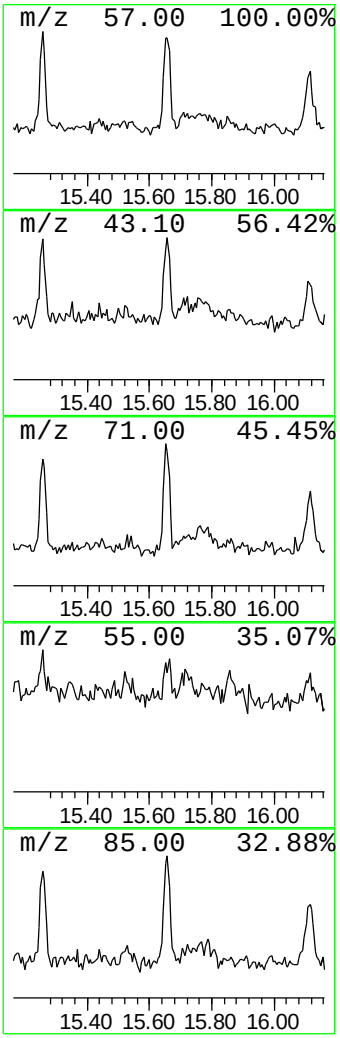
Peak Number 13 unknown15.66 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.66 | 2.47 ng | 100642 | Perylene-d12 | 15.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane, 3-methyl- | 310 | C22H46 | 006418-47-9 | 35 |
| 2 | 11-Methylnonacosane | 422 | C30H62 | 007371-99-5 | 35 |
| 3 | Eicosane, 9-octyl- | 394 | C28H58 | 013475-77-9 | 35 |
| 4 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 32 |
| 5 | Hexadecanoic acid, 2-(octadecylo... | 553 | C36H72O3 | 029899-13-6 | 32 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042420\
Data File : BF120198.D
Acq On : 24 Apr 2020 13:23
Operator : MA/SJ
Sample : L2120-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OR-02-042220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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 |
| n-Hexadecanoic acid | 11.72 | 6.9 | ng | 432766 | 4 | 11.18 | 1249060 | 20.0 |
| Benzaldehyde, 3,5... | 11.79 | 3.9 | ng | 243275 | 4 | 11.18 | 1249060 | 20.0 |
| unknown12.27 | 12.27 | 3.0 | ng | 186062 | 4 | 11.18 | 1249060 | 20.0 |
| 10-Octadecenoic a... | 12.29 | 2.5 | ng | 156730 | 4 | 11.18 | 1249060 | 20.0 |
| Octadecanoic acid | 12.50 | 2.8 | ng | 169166 | 5 | 13.82 | 1190640 | 20.0 |
| 11H-Benzo[b]fluorene | 12.95 | 2.4 | ng | 145276 | 5 | 13.82 | 1190640 | 20.0 |
| Pyrene, 1-methyl- | 13.02 | 3.2 | ng | 190573 | 5 | 13.82 | 1190640 | 20.0 |
| Docosyl pentafluo... | 13.67 | 4.5 | ng | 270548 | 5 | 13.82 | 1190640 | 20.0 |
| 2-Bromo dodecane | 14.90 | 2.0 | ng | 83705 | 6 | 15.22 | 815406 | 20.0 |
| Benzo[e]pyrene | 15.10 | 4.9 | ng | 199434 | 6 | 15.22 | 815406 | 20.0 |
| unknown15.66 | 15.66 | 2.5 | ng | 100642 | 6 | 15.22 | 815406 | 20.0 |