LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

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-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.158 | 9 | 12 | 23 | rVB | 43767 | 72829 | 1.04% | 0.101% |
| 2 | 4.557 | 415 | 420 | 429 | rVB2 | 65304 | 84820 | 1.21% | 0.118% |
| 3 | 5.510 | 578 | 582 | 590 | rBV | 130678 | 135080 | 1.92% | 0.188% |
| 4 | 5.816 | 630 | 634 | 647 | rVB3 | 63073 | 99178 | 1.41% | 0.138% |
| 5 | 6.516 | 746 | 753 | 762 | rVB2 | 138085 | 190677 | 2.71% | 0.265% |
| 6 | 6.663 | 772 | 778 | 784 | rBV | 336576 | 315392 | 4.49% | 0.439% |
| 7 | 6.893 | 814 | 817 | 821 | rBV | 738245 | 652857 | 9.29% | 0.909% |
| 8 | 6.957 | 825 | 828 | 840 | rVV | 408353 | 471239 | 6.71% | 0.656% |
| 9 | 7.051 | 840 | 844 | 858 | rVB | 516856 | 471583 | 6.71% | 0.657% |
| 10 | 7.298 | 882 | 886 | 889 | rBV | 822731 | 764110 | 10.88% | 1.064% |
| 11 | 7.445 | 908 | 911 | 916 | rVB | 327659 | 291906 | 4.16% | 0.406% |
| 12 | 7.992 | 999 | 1004 | 1007 | rBV | 85043 | 89182 | 1.27% | 0.124% |
| 13 | 8.175 | 1029 | 1035 | 1038 | rBV | 1015465 | 851200 | 12.12% | 1.185% |
| 14 | 9.245 | 1213 | 1217 | 1220 | rBV | 845604 | 651263 | 9.27% | 0.907% |
| 15 | 9.334 | 1228 | 1232 | 1237 | rBV3 | 98622 | 94267 | 1.34% | 0.131% |
| 16 | 9.681 | 1288 | 1291 | 1294 | rBV2 | 167293 | 156870 | 2.23% | 0.218% |
| 17 | 9.928 | 1326 | 1333 | 1338 | rBV | 1121171 | 1035967 | 14.75% | 1.442% |
| 18 | 10.063 | 1353 | 1356 | 1359 | rBV | 144373 | 110877 | 1.58% | 0.154% |
| 19 | 10.116 | 1363 | 1365 | 1369 | rVB | 128117 | 100098 | 1.42% | 0.139% |
| 20 | 10.192 | 1374 | 1378 | 1381 | rBV2 | 118408 | 113322 | 1.61% | 0.158% |
| 21 | 10.222 | 1381 | 1383 | 1387 | rVB | 101052 | 92996 | 1.32% | 0.129% |
| 22 | 10.345 | 1401 | 1404 | 1413 | rBV | 1036443 | 1078950 | 15.36% | 1.502% |
| 23 | 10.410 | 1413 | 1415 | 1419 | rVB | 102947 | 91515 | 1.30% | 0.127% |
| 24 | 10.528 | 1432 | 1435 | 1436 | rBV | 183179 | 143328 | 2.04% | 0.200% |
| 25 | 10.545 | 1436 | 1438 | 1441 | rVV | 366161 | 270890 | 3.86% | 0.377% |
| 26 | 10.604 | 1442 | 1448 | 1450 | rVV | 255878 | 254943 | 3.63% | 0.355% |
| 27 | 10.716 | 1460 | 1467 | 1472 | rVB | 509557 | 524123 | 7.46% | 0.730% |
| 28 | 10.857 | 1488 | 1491 | 1495 | rVV | 527332 | 460813 | 6.56% | 0.642% |
| 29 | 10.898 | 1495 | 1498 | 1501 | rVB | 519670 | 436552 | 6.21% | 0.608% |
| 30 | 10.986 | 1509 | 1513 | 1514 | rBV | 1037376 | 907836 | 12.92% | 1.264% |
| 31 | 11.004 | 1514 | 1516 | 1520 | rVB | 1090996 | 903038 | 12.85% | 1.257% |
| 32 | 11.069 | 1524 | 1527 | 1530 | rVV | 1097928 | 822392 | 11.71% | 1.145% |
| 33 | 11.180 | 1542 | 1546 | 1549 | rBV | 1276469 | 1005236 | 14.31% | 1.400% |
| 34 | 11.228 | 1551 | 1554 | 1560 | rVB | 461477 | 443479 | 6.31% | 0.617% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

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-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.363 | 1573 | 1577 | 1582 | rBV | 2193272 | 2097472 | 29.86% | 2.920% |
| 36 | 11.422 | 1582 | 1587 | 1590 | rBV2 | 4387369 | 5428249 | 77.27% | 7.558% |
| 37 | 11.457 | 1590 | 1593 | 1596 | rVB | 4026001 | 3375326 | 48.05% | 4.700% |
| 38 | 11.516 | 1599 | 1603 | 1606 | rVB | 3794876 | 3233956 | 46.03% | 4.503% |
| 39 | 11.569 | 1606 | 1612 | 1614 | rVB2 | 55708 | 70570 | 1.00% | 0.098% |
| 40 | 11.633 | 1617 | 1623 | 1625 | rBV | 4347477 | 4443554 | 63.25% | 6.187% |
| 41 | 11.810 | 1648 | 1653 | 1655 | rBV | 6432430 | 7025057 | 100.00% | 9.781% |
| 42 | 11.845 | 1655 | 1659 | 1662 | rVV2 | 1813974 | 2668011 | 37.98% | 3.715% |
| 43 | 11.875 | 1662 | 1664 | 1669 | rVB | 1786259 | 1550505 | 22.07% | 2.159% |
| 44 | 11.939 | 1669 | 1675 | 1678 | rBV | 1992991 | 1847848 | 26.30% | 2.573% |
| 45 | 11.969 | 1678 | 1680 | 1681 | rVV2 | 107907 | 90725 | 1.29% | 0.126% |
| 46 | 11.986 | 1681 | 1683 | 1686 | rVB4 | 122672 | 103487 | 1.47% | 0.144% |
| 47 | 12.051 | 1689 | 1694 | 1696 | rBV | 2188618 | 2066970 | 29.42% | 2.878% |
| 48 | 12.075 | 1696 | 1698 | 1702 | rVV2 | 515059 | 585937 | 8.34% | 0.816% |
| 49 | 12.122 | 1703 | 1706 | 1710 | rVB4 | 199211 | 241765 | 3.44% | 0.337% |
| 50 | 12.222 | 1719 | 1723 | 1725 | rBV | 3689394 | 3301617 | 47.00% | 4.597% |
| 51 | 12.245 | 1725 | 1727 | 1729 | rVV3 | 173785 | 148237 | 2.11% | 0.206% |
| 52 | 12.280 | 1729 | 1733 | 1735 | rVV2 | 593639 | 581037 | 8.27% | 0.809% |
| 53 | 12.304 | 1735 | 1737 | 1739 | rBV | 97780 | 79828 | 1.14% | 0.111% |
| 54 | 12.345 | 1740 | 1744 | 1746 | rBV4 | 207195 | 312940 | 4.45% | 0.436% |
| 55 | 12.369 | 1746 | 1748 | 1752 | rVB2 | 327060 | 297361 | 4.23% | 0.414% |
| 56 | 12.410 | 1752 | 1755 | 1757 | rBV3 | 438768 | 621101 | 8.84% | 0.865% |
| 57 | 12.439 | 1757 | 1760 | 1762 | rVB2 | 450408 | 427753 | 6.09% | 0.596% |
| 58 | 12.469 | 1762 | 1765 | 1767 | rBV3 | 223324 | 323868 | 4.61% | 0.451% |
| 59 | 12.580 | 1782 | 1784 | 1787 | rVB3 | 409658 | 377707 | 5.38% | 0.526% |
| 60 | 12.622 | 1787 | 1791 | 1793 | rBV2 | 930352 | 1360760 | 19.37% | 1.895% |
| 61 | 12.698 | 1802 | 1804 | 1806 | rVB | 786544 | 549001 | 7.81% | 0.764% |
| 62 | 12.722 | 1806 | 1808 | 1810 | rBV2 | 518119 | 398333 | 5.67% | 0.555% |
| 63 | 12.769 | 1810 | 1816 | 1818 | rBV3 | 903759 | 1314361 | 18.71% | 1.830% |
| 64 | 12.845 | 1827 | 1829 | 1831 | rBV2 | 665990 | 730797 | 10.40% | 1.018% |
| 65 | 12.963 | 1846 | 1849 | 1852 | rBV3 | 869740 | 1217658 | 17.33% | 1.695% |
| 66 | 13.033 | 1859 | 1861 | 1863 | rBV2 | 588872 | 626504 | 8.92% | 0.872% |
| 67 | 13.133 | 1876 | 1878 | 1882 | rBV4 | 625318 | 647382 | 9.22% | 0.901% |
| 68 | 13.174 | 1882 | 1885 | 1888 | rVV4 | 753157 | 782407 | 11.14% | 1.089% |
| 69 | 13.451 | 1929 | 1932 | 1935 | rVB4 | 826362 | 875962 | 12.47% | 1.220% |
| 70 | 13.492 | 1936 | 1939 | 1940 | rBV3 | 808367 | 915953 | 13.04% | 1.275% |
| 71 | 13.716 | 1974 | 1977 | 1979 | rBV3 | 909661 | 762453 | 10.85% | 1.062% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

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-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.745 | 1979 | 1982 | 1985 | rBV4 | 1031501 | 1115986 | 15.89% | 1.554% |
| 73 | 13.863 | 2000 | 2002 | 2005 | rVB4 | 685376 | 591800 | 8.42% | 0.824% |
| 74 | 13.986 | 2021 | 2023 | 2025 | rBV2 | 605677 | 474111 | 6.75% | 0.660% |
| 75 | 14.057 | 2033 | 2035 | 2040 | rBV3 | 912945 | 1122196 | 15.97% | 1.562% |
| 76 | 14.410 | 2092 | 2095 | 2098 | rVB2 | 1090442 | 1056151 | 15.03% | 1.471% |
| 77 | 14.586 | 2122 | 2125 | 2127 | rBV2 | 738113 | 908715 | 12.94% | 1.265% |
| 78 | 15.545 | 2285 | 2288 | 2297 | rVB | 602036 | 880713 | 12.54% | 1.226% |

Sum of corrected areas: 71820932

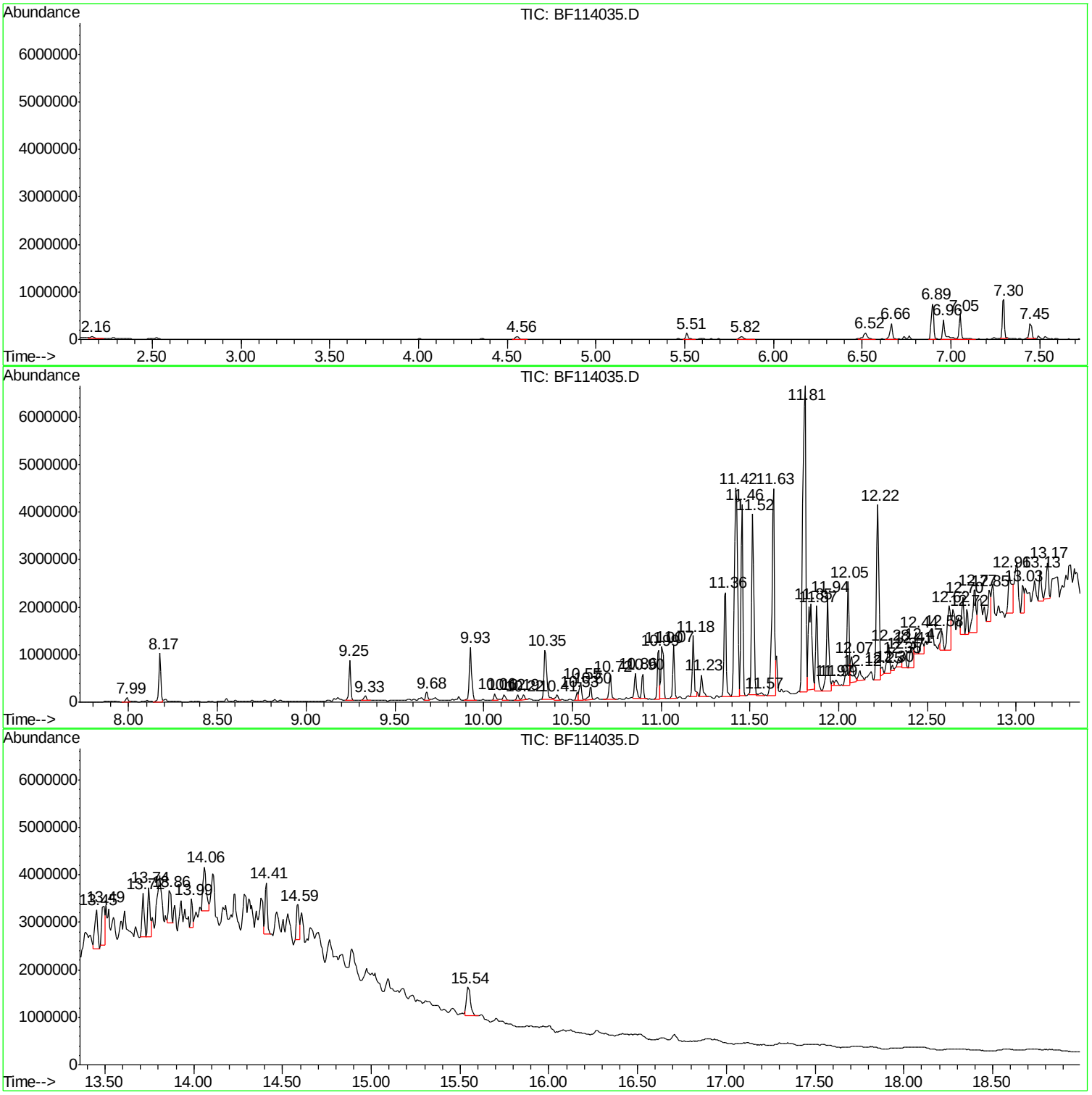
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

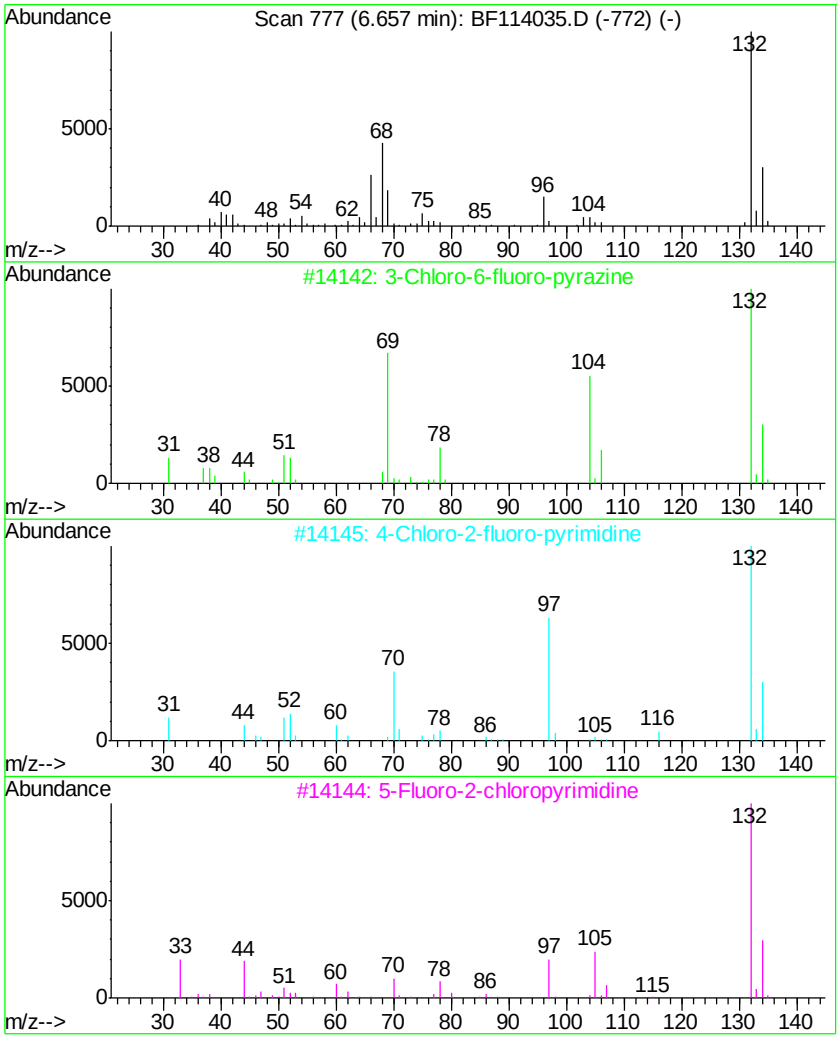
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

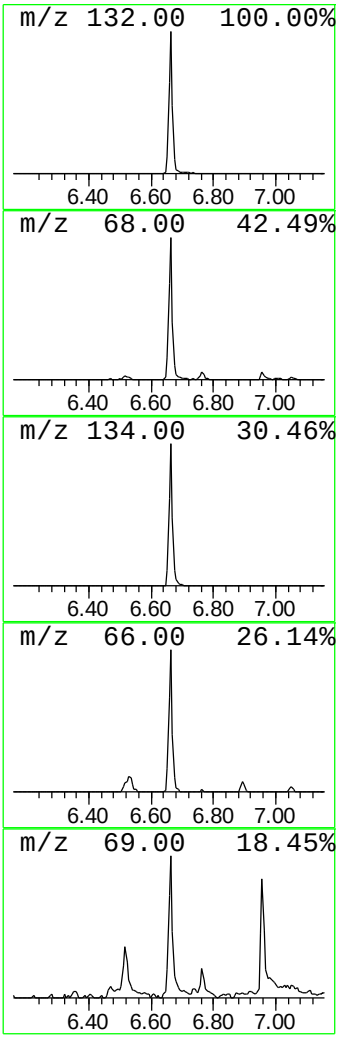
**********

Peak Number 1 unknown6.66 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.66 | 9.66 ng | 315392 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 4 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

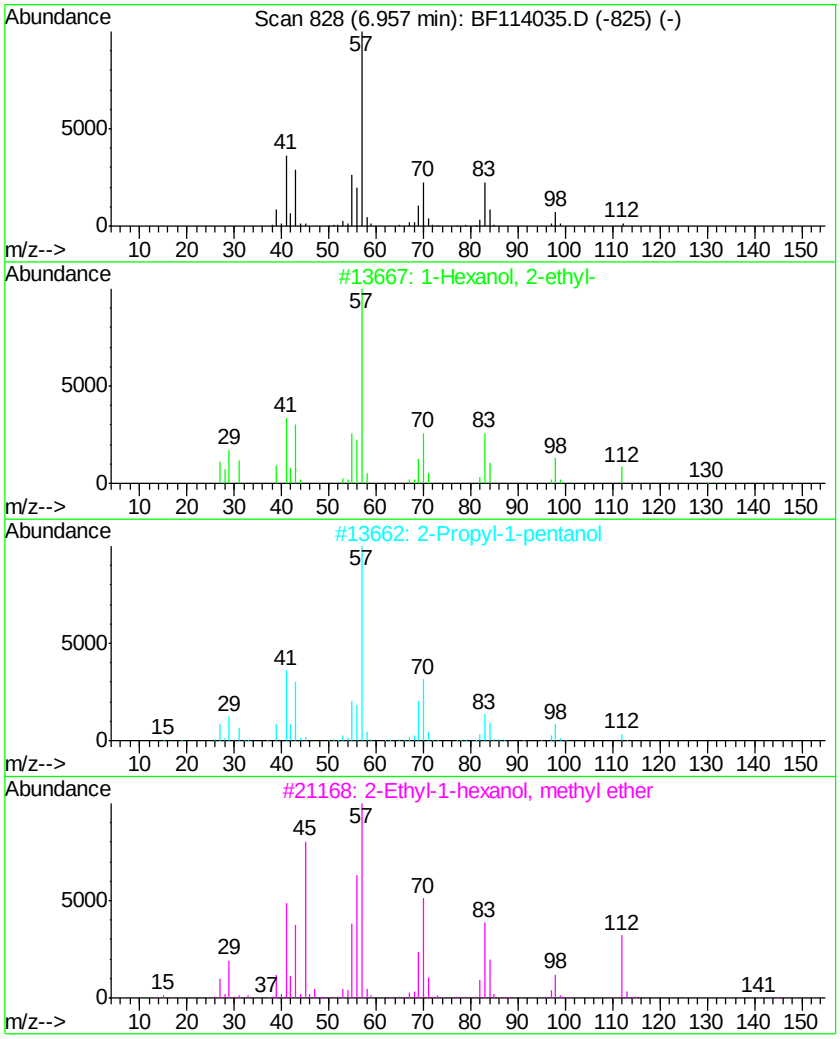
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

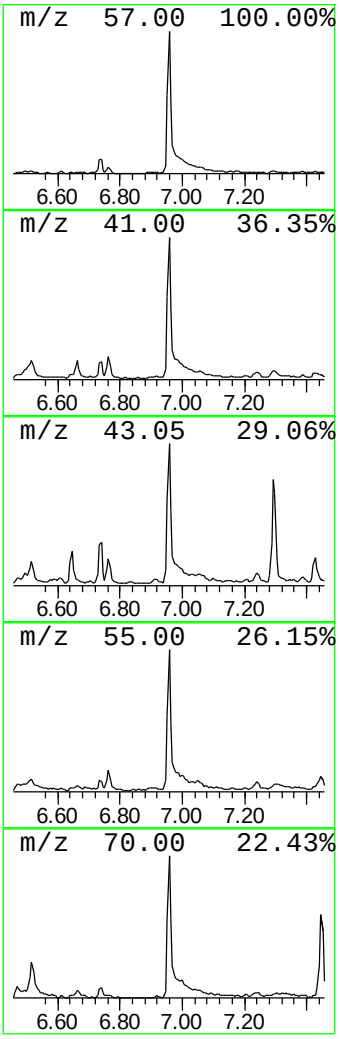
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 1-Hexanol, 2-ethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.96 | 14.44 ng | 471239 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 83 |
| 2 | 2-Propyl-1-pentanol | 130 | C8H18O | 058175-57-8 | 50 |
| 3 | 2-Ethyl-1-hexanol, methyl ether | 144 | C9H20O | 1000365-10-2 | 47 |
| 4 | Chloroacetic acid, 2-ethylhexyl ... | 206 | C10H19ClO2 | 005345-58-4 | 45 |
| 5 | Oxalic acid, 2-ethylhexyl hexyl ... | 286 | C16H30O4 | 1000309-38-9 | 45 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

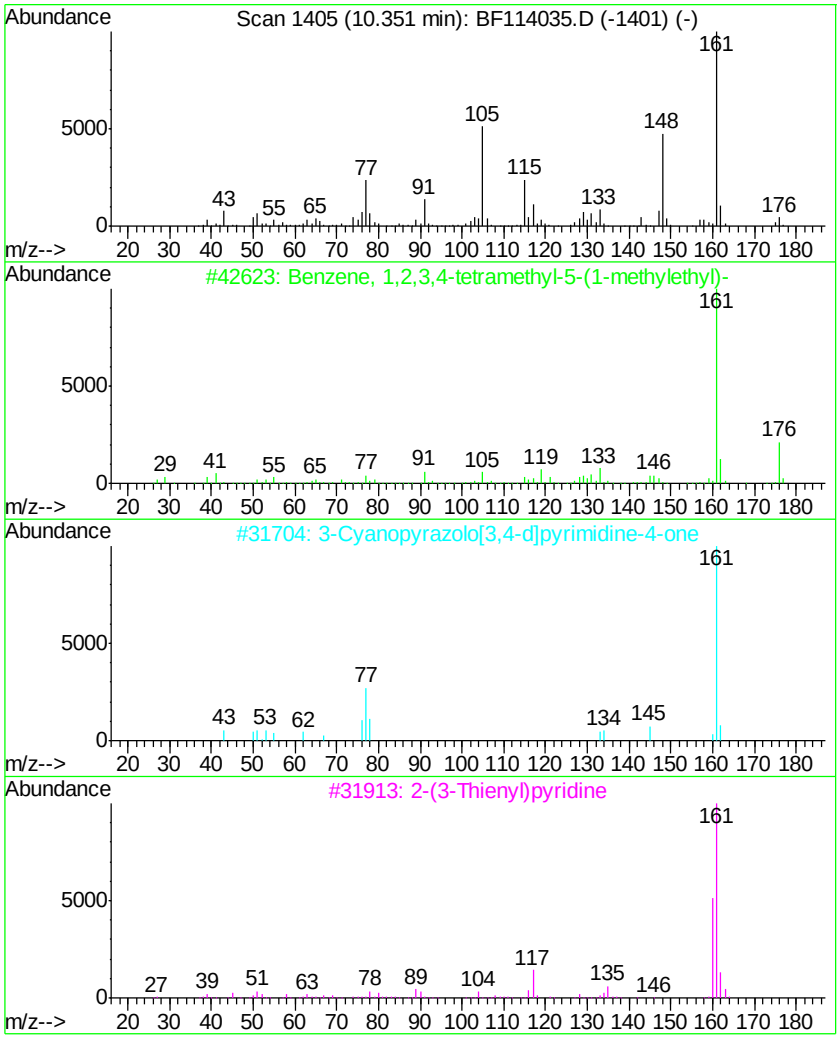
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

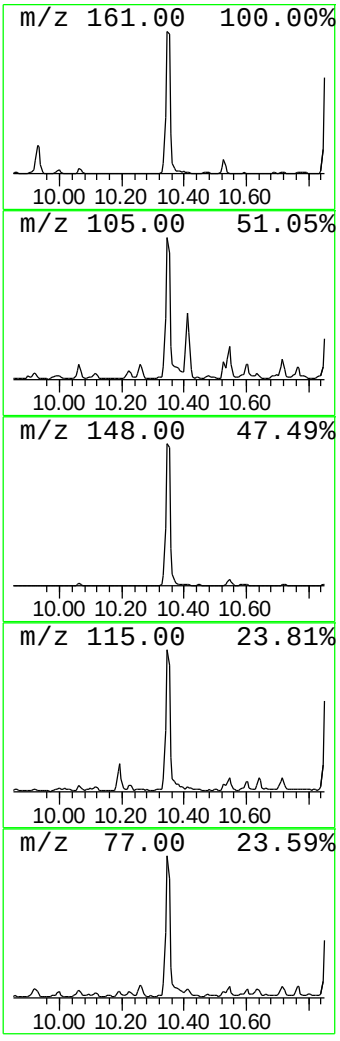
**********

Peak Number 4 unknown10.35 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.35 | 20.83 ng | 1078950 | Acenaphthene-d10 | 9.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,4-tetramethyl-5-(... | 176 | C13H20 | 061142-67-4 | 46 |
| 2 | 3-Cyanopyrazolo[3,4-d]pyrimidine... | 161 | C6H3N5O | 005387-84-8 | 43 |
| 3 | 2-(3-Thienyl)pyridine | 161 | C9H7NS | 021298-55-5 | 38 |
| 4 | (3-Ethoxy-hexa-1,5-dienyl)-benzene | 202 | C14H18O | 067323-95-9 | 38 |
| 5 | 2-(2-Thienyl)pyridine | 161 | C9H7NS | 003319-99-1 | 38 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

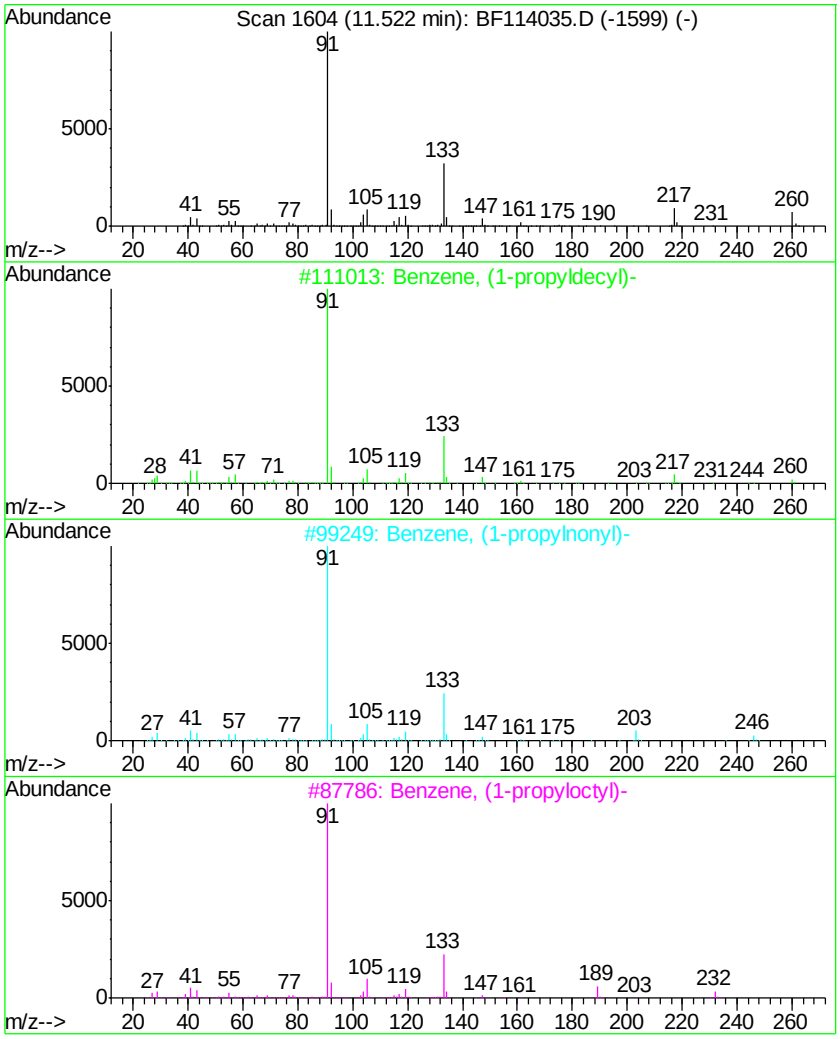
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

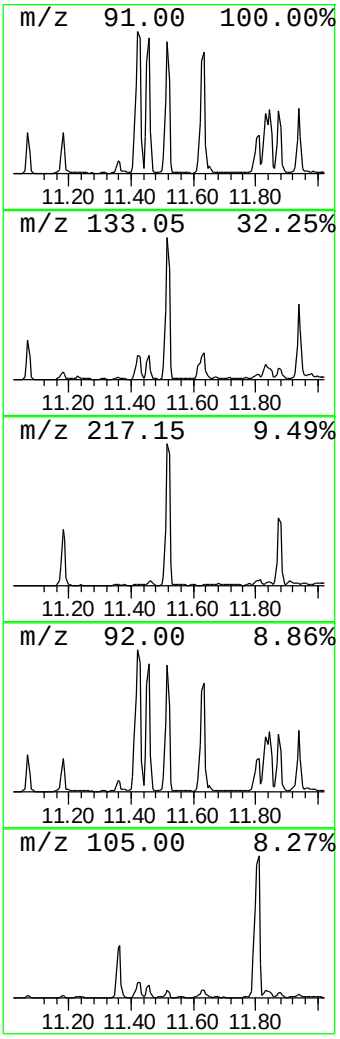
**********

Peak Number 5 Benzene, (1-propyldecyl)- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.52 | 11.92 ng | 3233960 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-propyldecyl)- | 260 | C19H32 | 004534-51-4 | 81 |
| 2 | Benzene, (1-propylnonyl)- | 246 | C18H30 | 002719-64-4 | 80 |
| 3 | Benzene, (1-propyloctyl)- | 232 | C17H28 | 004536-86-1 | 64 |
| 4 | Benzene, (1-propylheptadecyl)- | 358 | C26H46 | 002400-03-5 | 56 |
| 5 | Benzene, (1-propylheptyl)- | 218 | C16H26 | 004537-12-6 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

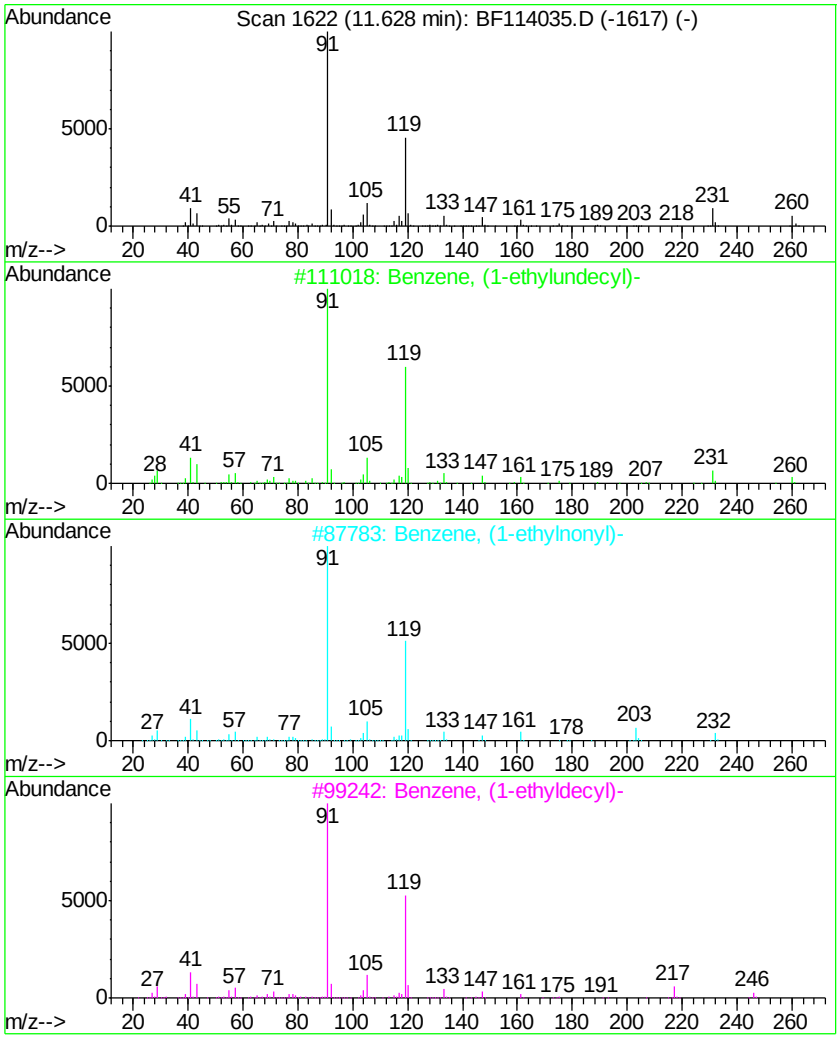
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

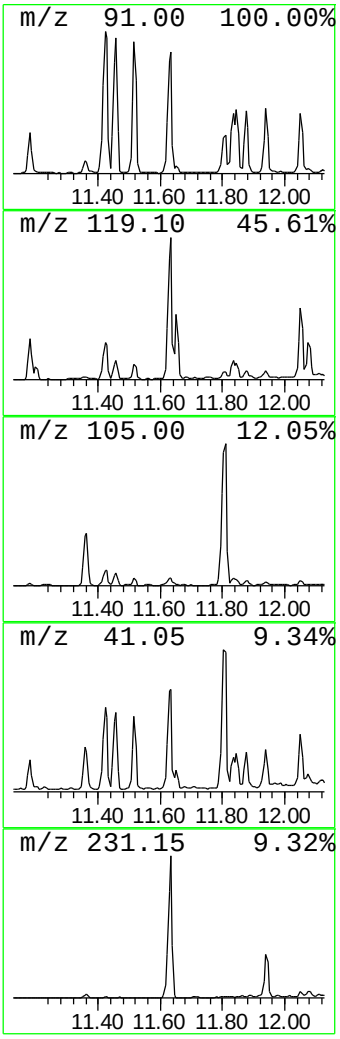
**********

Peak Number 6 Benzene, (1-ethylundecyl)- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.63 | 16.37 ng | 4443550 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-ethylundecyl)- | 260 | C19H32 | 004534-52-5 | 94 |
| 2 | Benzene, (1-ethylnonyl)- | 232 | C17H28 | 004536-87-2 | 64 |
| 3 | Benzene, (1-ethyldecyl)- | 246 | C18H30 | 002400-00-2 | 59 |
| 4 | Benzene, (1-ethyloctyl)- | 218 | C16H26 | 004621-36-7 | 58 |
| 5 | Aziridine, 1-phenyl- | 119 | C8H9N | 000696-18-4 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

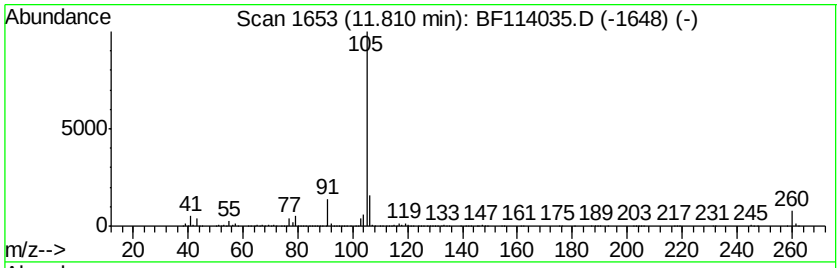
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

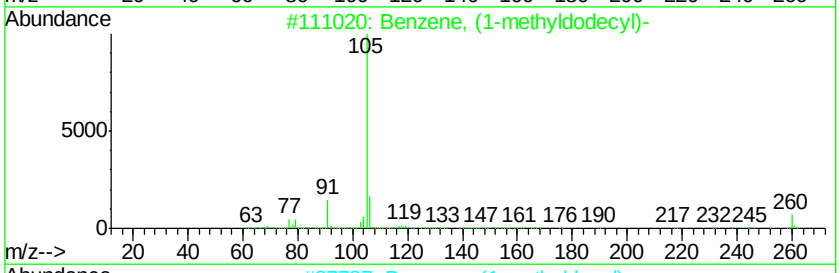
**********

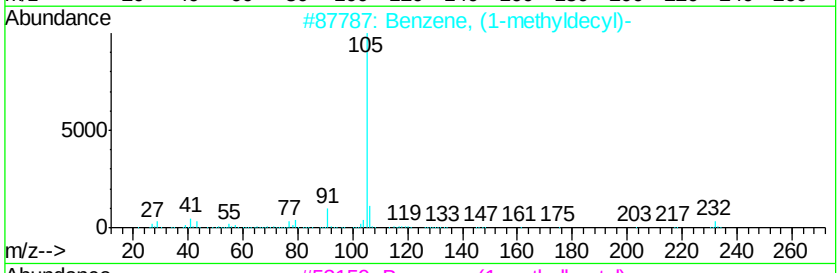
Peak Number 7 Benzene, (1-methyldodecyl)- Concentration Rank 1

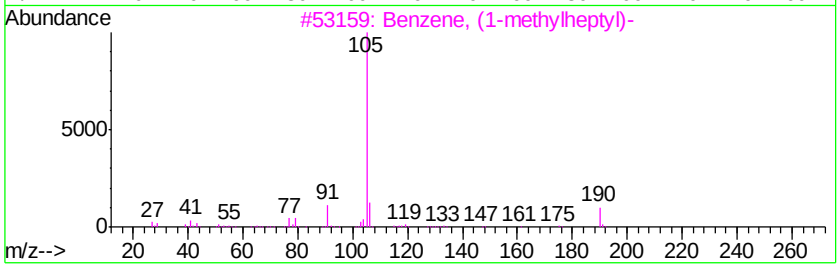
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.81 | 25.88 ng | 7025060 | Phenanthrene-d10 | 11.41 |

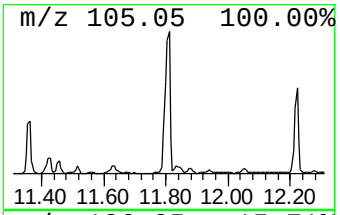
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyldodecyl)- | 260 | C19H32 | 004534-53-6 | 94 |
| 2 | Benzene, (1-methyldecyl)- | 232 | C17H28 | 004536-88-3 | 81 |
| 3 | Benzene, (1-methylheptyl)- | 190 | C14H22 | 000777-22-0 | 72 |
| 4 | Benzene, (1-methylundecyl)- | 246 | C18H30 | 002719-61-1 | 72 |
| 5 | Benzene, (1-methylnonyl)- | 218 | C16H26 | 004537-13-7 | 64 |

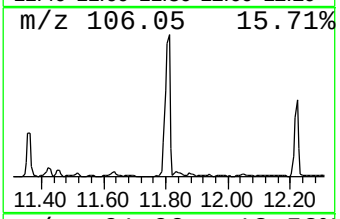


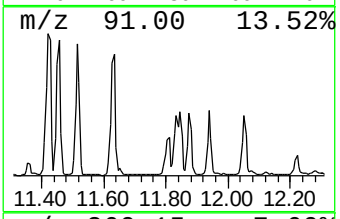



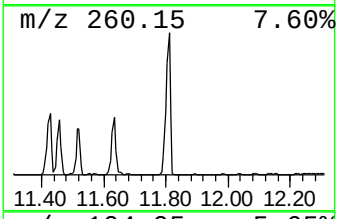



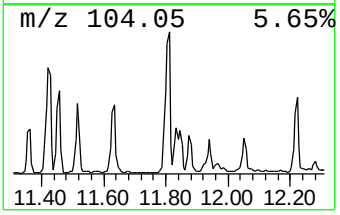



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

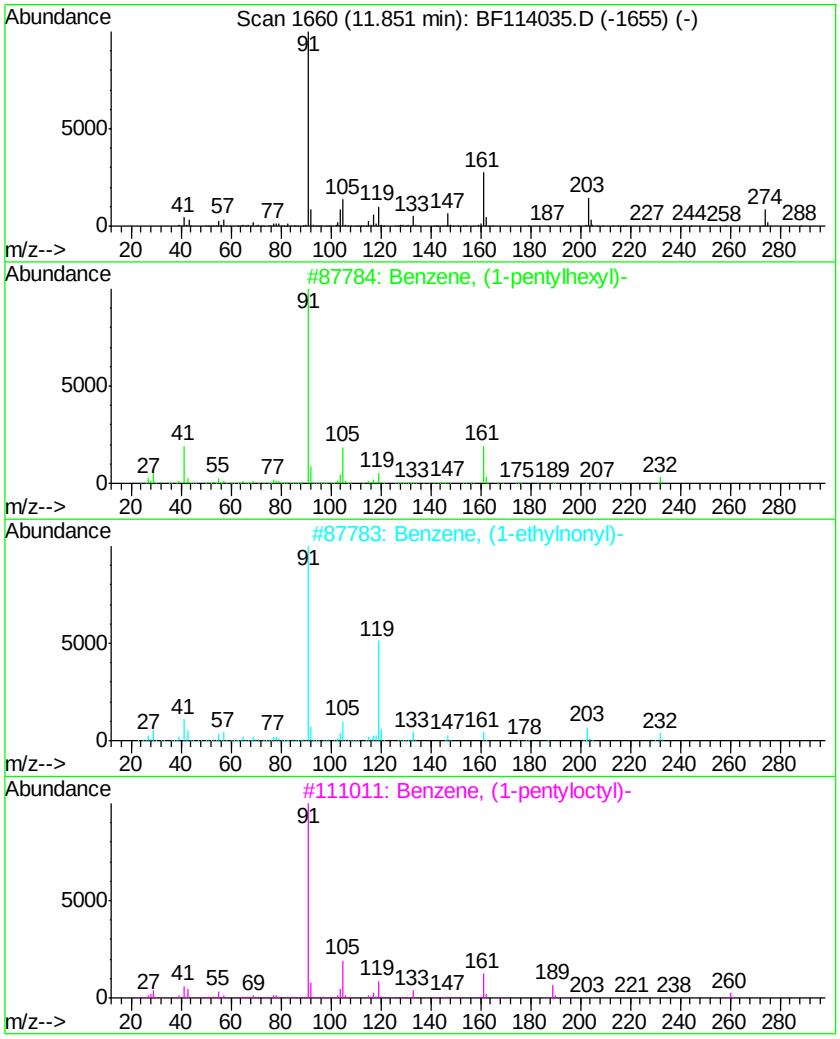
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

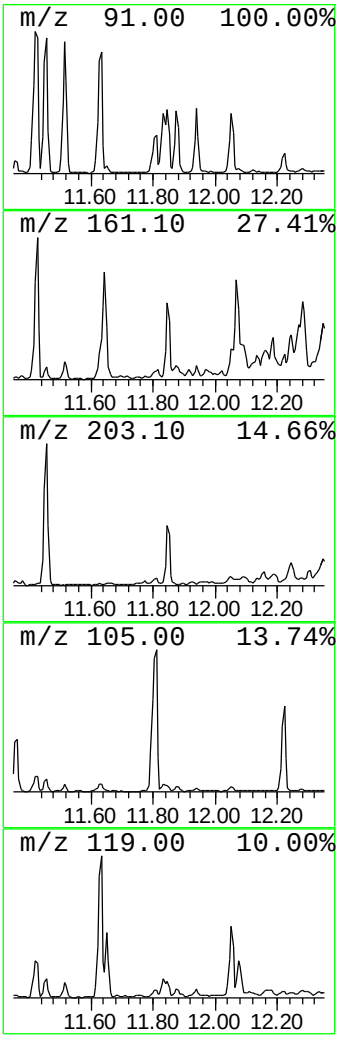
**********

Peak Number 8 Benzene, (1-pentylhexyl)- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.85 | 9.83 ng | 2668010 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-pentylhexyl)- | 232 | C17H28 | 004537-14-8 | 52 |
| 2 | Benzene, (1-ethylnonyl)- | 232 | C17H28 | 004536-87-2 | 50 |
| 3 | Benzene, (1-pentyloctyl)- | 260 | C19H32 | 004534-49-0 | 47 |
| 4 | Benzene, (1-pentylheptyl)- | 246 | C18H30 | 002719-62-2 | 47 |
| 5 | Alloaromadendrene | 204 | C15H24 | 025246-27-9 | 47 |



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Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

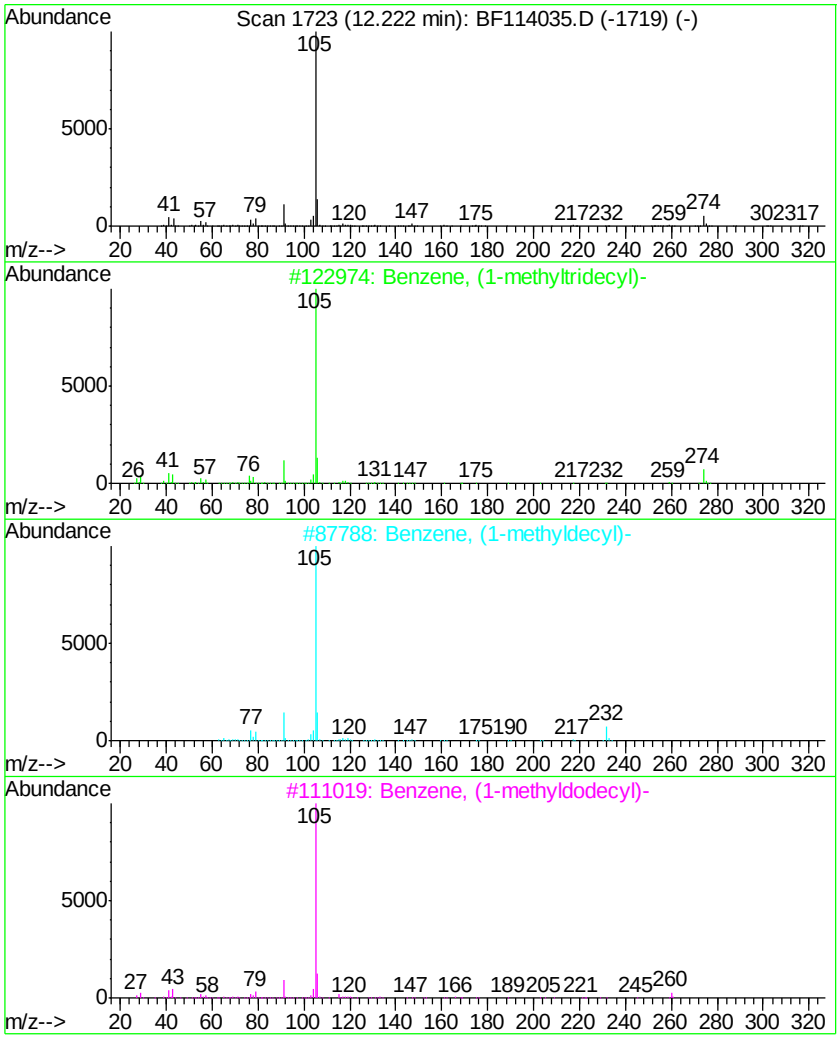
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

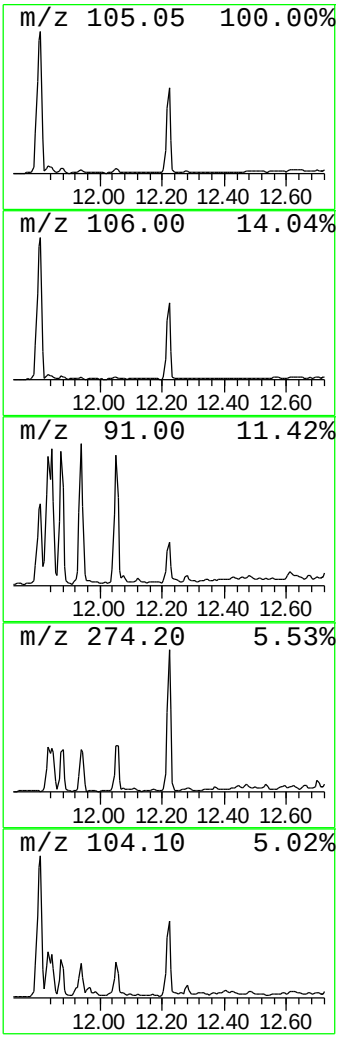
**********

Peak Number 9 Benzene, (1-methyltridecyl)- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.22 | 12.16 ng | 3301620 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyltridecyl)- | 274 | C20H34 | 004534-59-2 | 91 |
| 2 | Benzene, (1-methyldecyl)- | 232 | C17H28 | 004536-88-3 | 74 |
| 3 | Benzene, (1-methyldodecyl)- | 260 | C19H32 | 004534-53-6 | 59 |
| 4 | Benzene, (1-methylnonyl)- | 218 | C16H26 | 004537-13-7 | 59 |
| 5 | Benzene, (1-methylundecyl)- | 246 | C18H30 | 002719-61-1 | 59 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

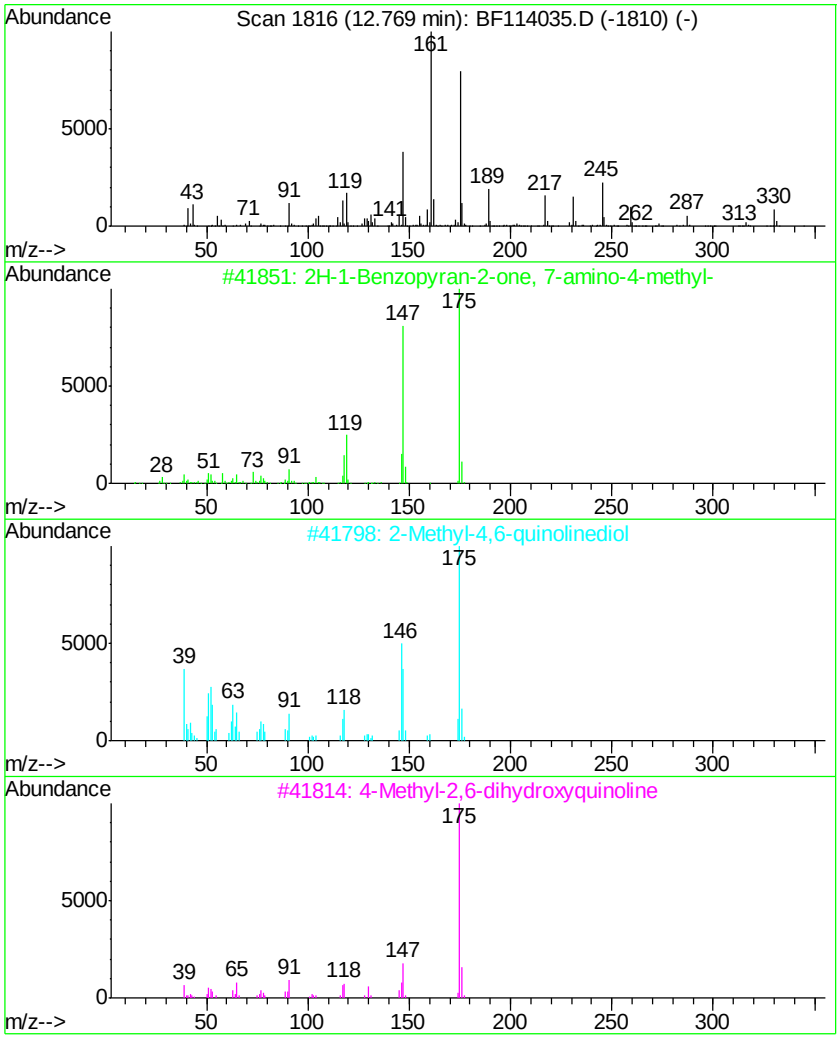
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

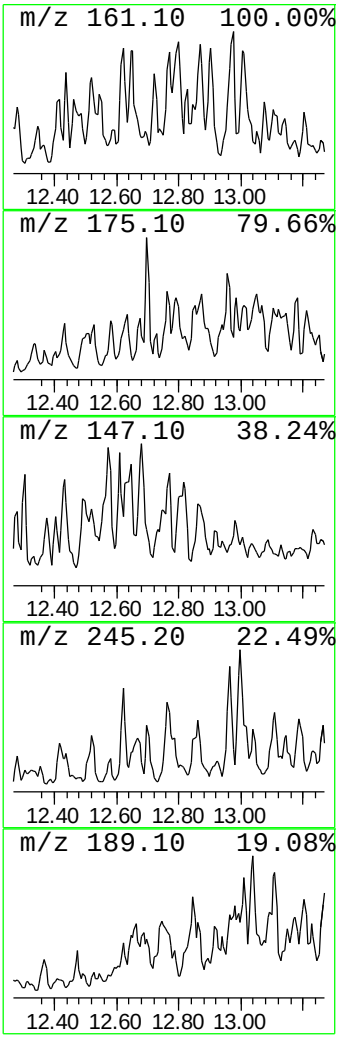
**********

Peak Number 10 unknown12.77 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.77 | 23.42 ng | 1314360 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-1-Benzopyran-2-one, 7-amino-4... | 175 | C10H9NO2 | 026093-31-2 | 30 |
| 2 | 2-Methyl-4,6-quinolinediol | 175 | C10H9NO2 | 034982-04-2 | 30 |
| 3 | 4-Methyl-2,6-dihydroxyquinoline | 175 | C10H9NO2 | 034982-01-9 | 25 |
| 4 | Benzeneethanal, 4-[1,1-dimethyle... | 176 | C12H16O | 109347-45-7 | 18 |
| 5 | 3-Hydroxy-4-phenyl-5-butyl-1,2,4... | 217 | C12H15N3O | 066921-14-0 | 18 |



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Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

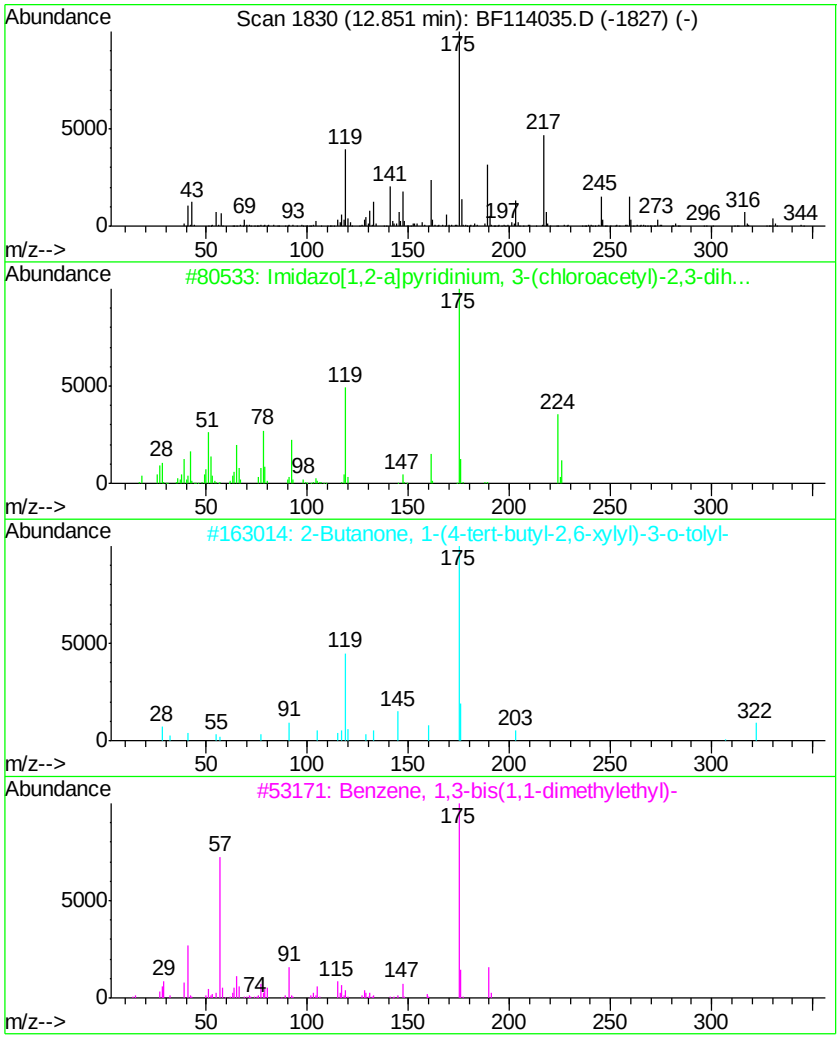
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

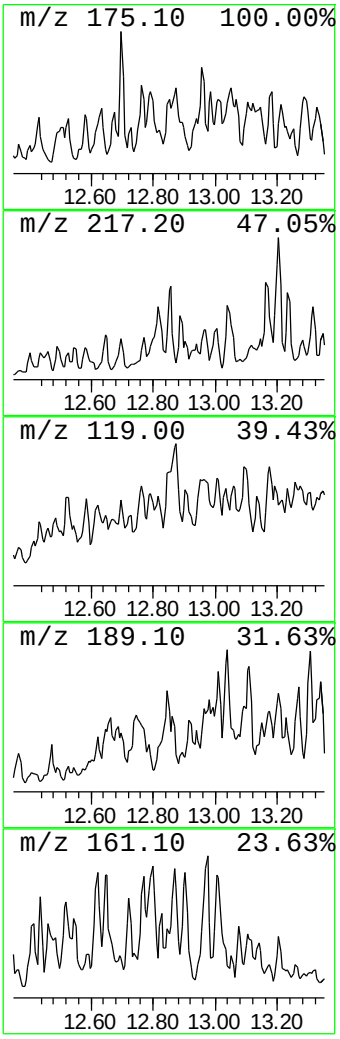
**********

Peak Number 11 unknown12.85 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.85 | 13.02 ng | 730797 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Imidazo[1,2-a]pyridinium, 3-(chl... | 224 | C10H9ClN2O2 | 011063-29-9 | 43 |
| 2 | 2-Butanone, 1-(4-tert-butyl-2,6-... | 322 | C23H30O | 029549-26-6 | 32 |
| 3 | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22 | 001014-60-4 | 30 |
| 4 | 1-Ethyl-3-(propen-1-yl)adamantane | 204 | C15H24 | 057040-45-6 | 27 |
| 5 | N-Phenylsuccinimide | 175 | C10H9NO2 | 000083-25-0 | 27 |



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Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

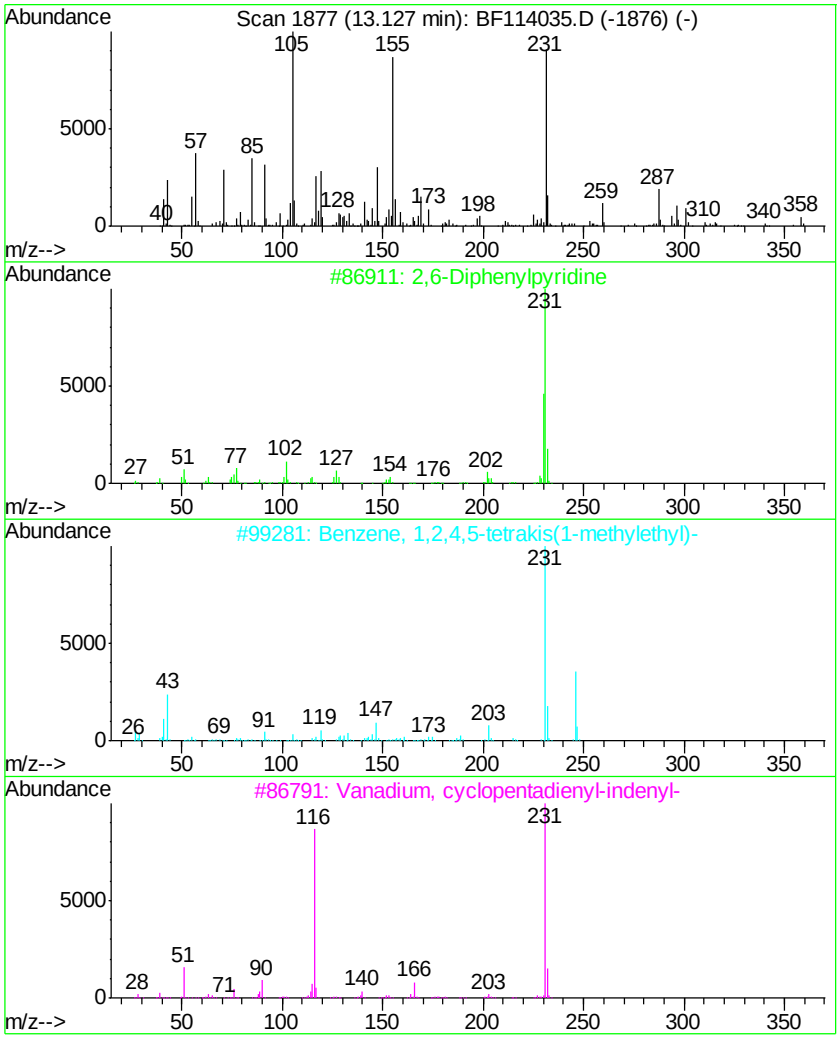
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

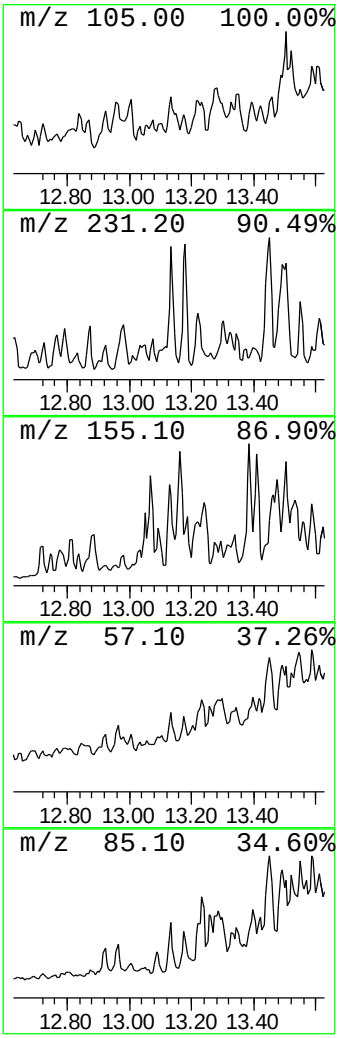
**********

Peak Number 12 unknown13.13 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.13 | 11.54 ng | 647382 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,6-Diphenylpyridine | 231 | C17H13N | 003558-69-8 | 27 |
| 2 | Benzene, 1,2,4,5-tetrakis(1-meth... | 246 | C18H30 | 000635-11-0 | 27 |
| 3 | Vanadium, cyclopentadienyl-indenyl- | 231 | C14H12V | 1000152-33-3 | 27 |
| 4 | Ethyl 1,2-dihydro-1-methyl-2-oxo... | 231 | C13H13NO3 | 027330-23-0 | 27 |
| 5 | 10-Methyl-1,3,4,10-tetrahydro-1,... | 231 | C12H13N3S | 026228-45-5 | 27 |



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Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

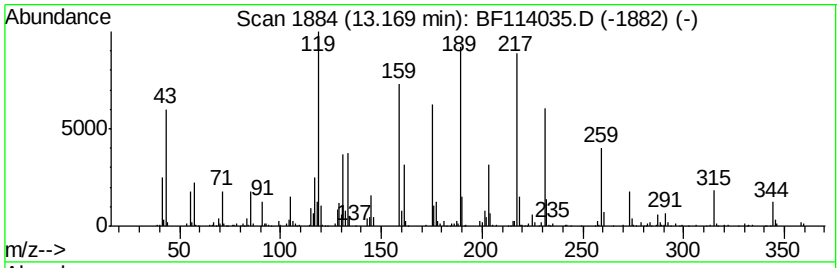
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

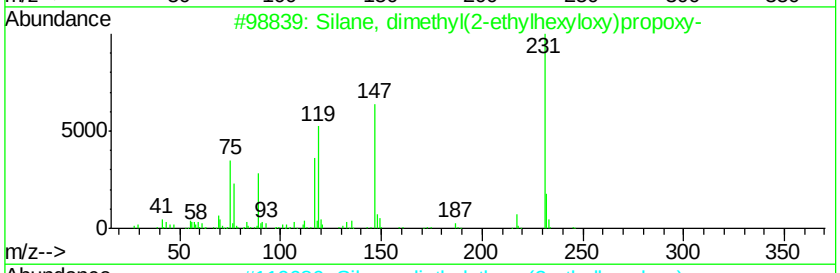
**********

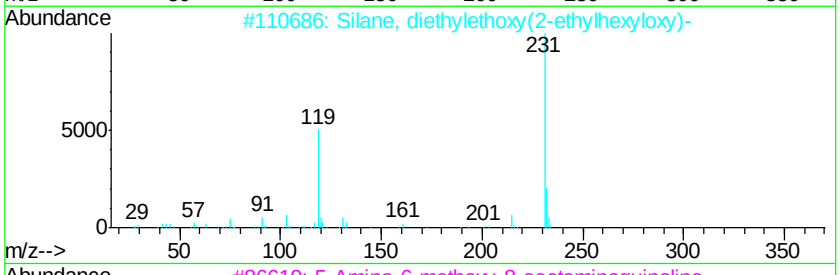
Peak Number 13 unknown13.17 Concentration Rank 12

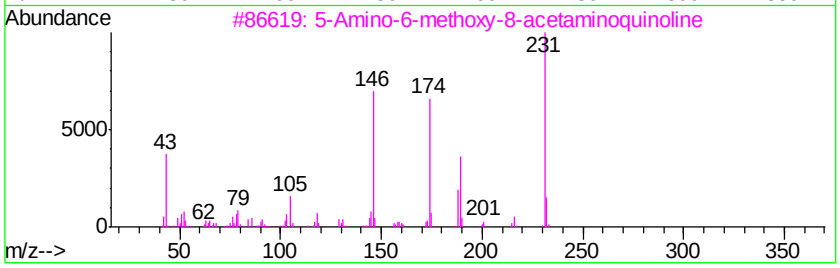
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.17 | 13.94 ng | 782407 | Chrysene-d12 | 14.06 |

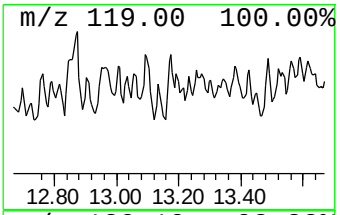
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, dimethyl(2-ethylhexyloxy... | 246 | C13H30O2Si | 1000346-79-4 | 27 |
| 2 | Silane, diethylethoxy(2-ethylhex... | 260 | C14H32O2Si | 1000363-04-5 | 27 |
| 3 | 5-Amino-6-methoxy-8-acetaminoqui... | 231 | C12H13N3O2 | 135025-13-7 | 18 |
| 4 | Ethyl 1,2-dihydro-1-methyl-2-oxo... | 231 | C13H13NO3 | 027330-23-0 | 14 |
| 5 | 4-Acetamido-6-methoxy-8-aminoqui... | 231 | C12H13N3O2 | 063456-99-5 | 14 |

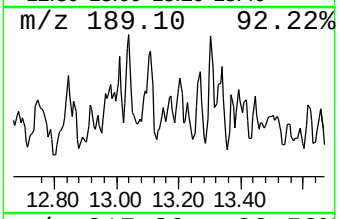


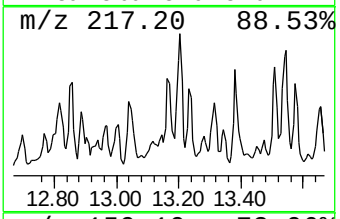



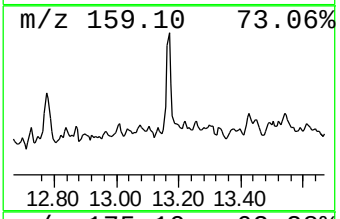



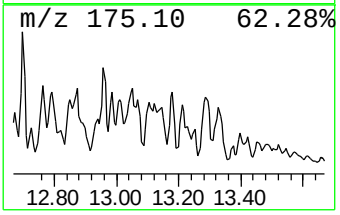



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

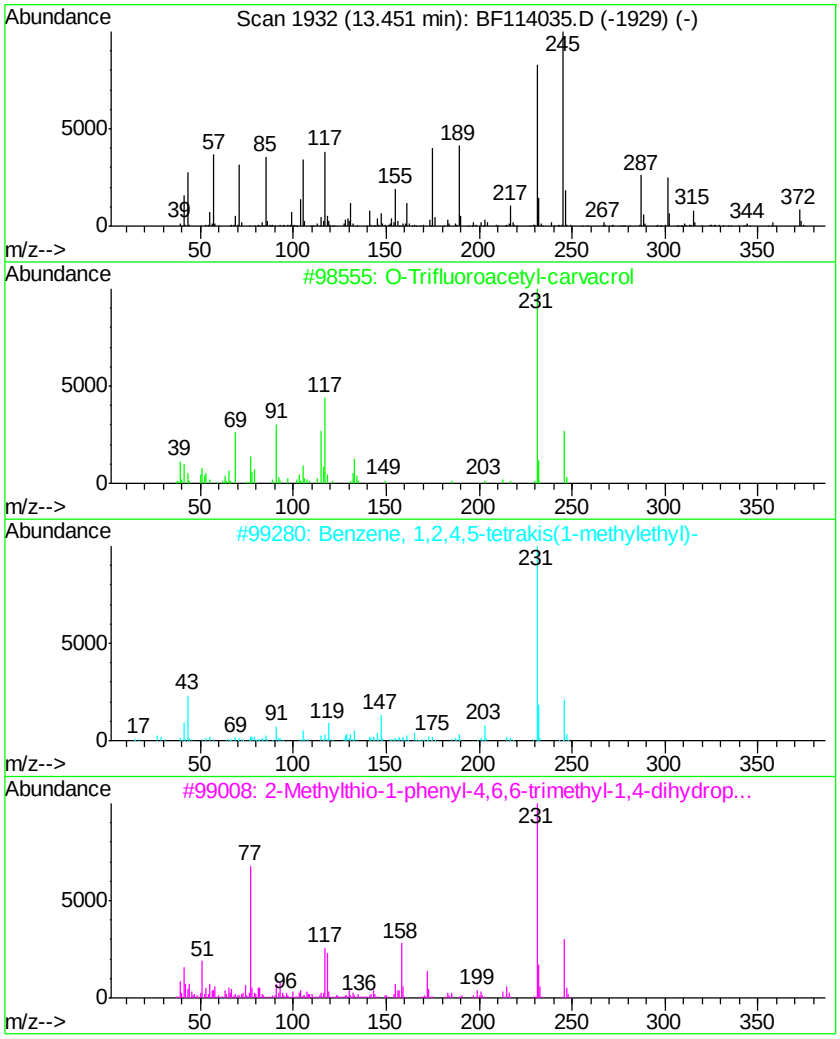
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

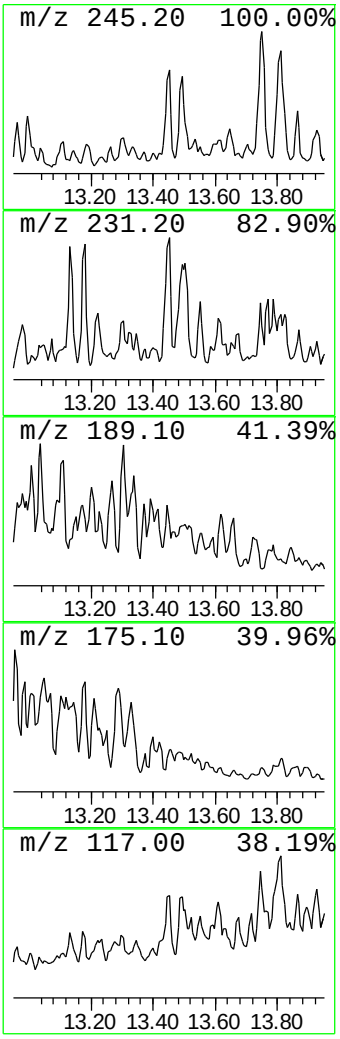
**********

Peak Number 14 unknown13.45 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.45 | 15.61 ng | 875962 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | O-Trifluoroacetyl-carvacrol | 246 | C12H13F3O2 | 028664-29-1 | 25 |
| 2 | Benzene, 1,2,4,5-tetrakis(1-meth... | 246 | C18H30 | 000635-11-0 | 18 |
| 3 | 2-Methylthio-1-phenyl-4,6,6-trim... | 246 | C14H18N2S | 034927-74-7 | 18 |
| 4 | 4-tert-butylphenol, trifluoroace... | 246 | C12H13F3O2 | 1000376-51-5 | 14 |
| 5 | 5-isopropyl-3-methylphenol, trif... | 246 | C12H13F3O2 | 1000376-51-9 | 14 |



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Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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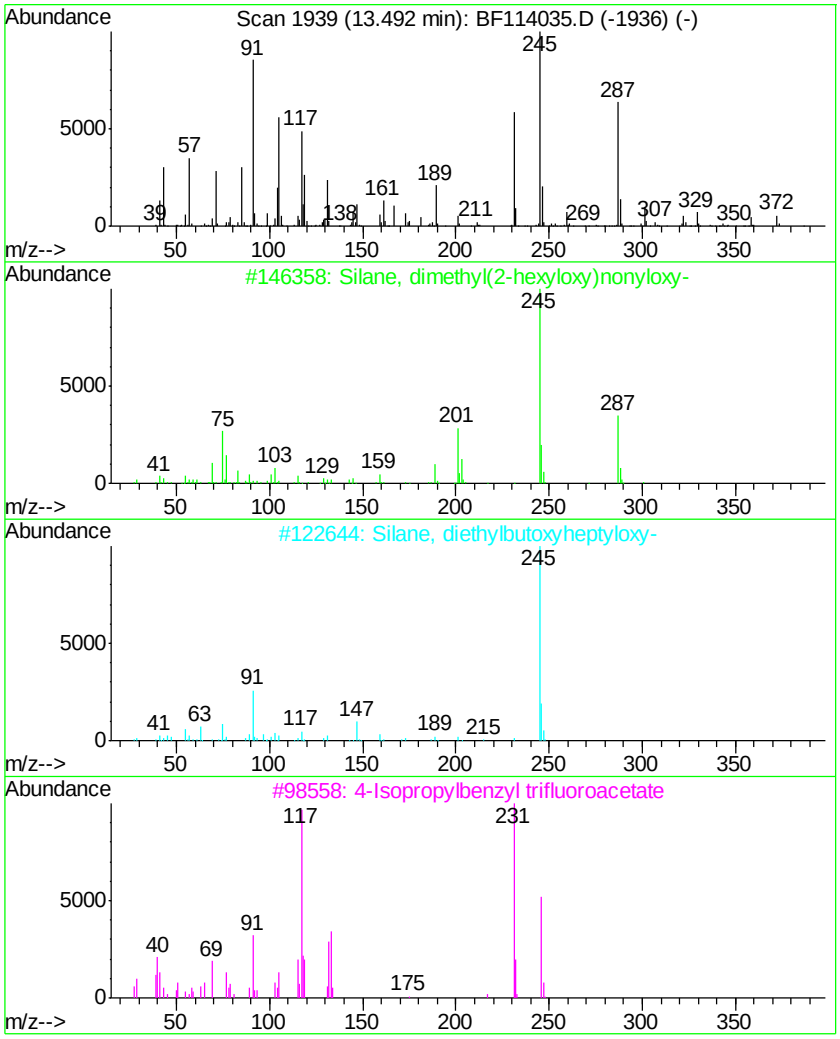
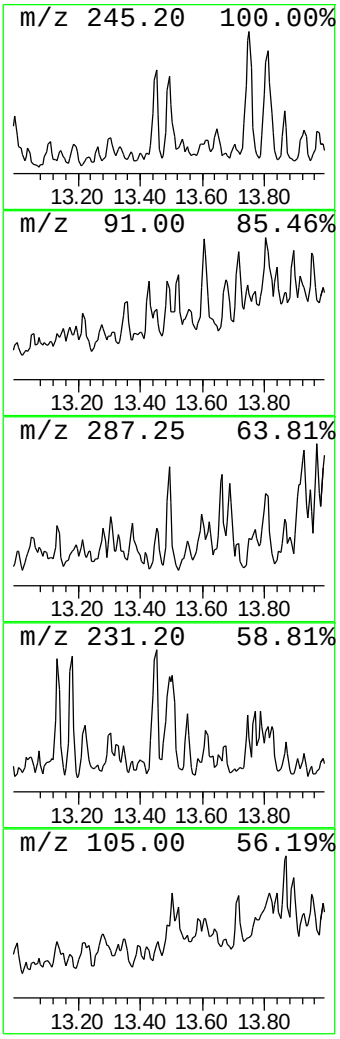
Peak Number 15 unknown13.49 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.49 | 16.32 ng | 915953 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, dimethyl(2-hexyloxy)nony... | 302 | C17H38O2Si | 1000347-68-0 | 38 |
| 2 | Silane, diethylbutoxyheptyloxy- | 274 | C15H34O2Si | 1000363-95-2 | 27 |
| 3 | 4-Isopropylbenzyl trifluoroacetate | 246 | C12H13F3O2 | 028664-24-6 | 25 |
| 4 | Benzenamine, N,N-diphenyl- | 245 | C18H15N | 000603-34-9 | 25 |
| 5 | Silane, diethylhexyloxy(3-methyl... | 274 | C15H34O2Si | 1000362-99-6 | 22 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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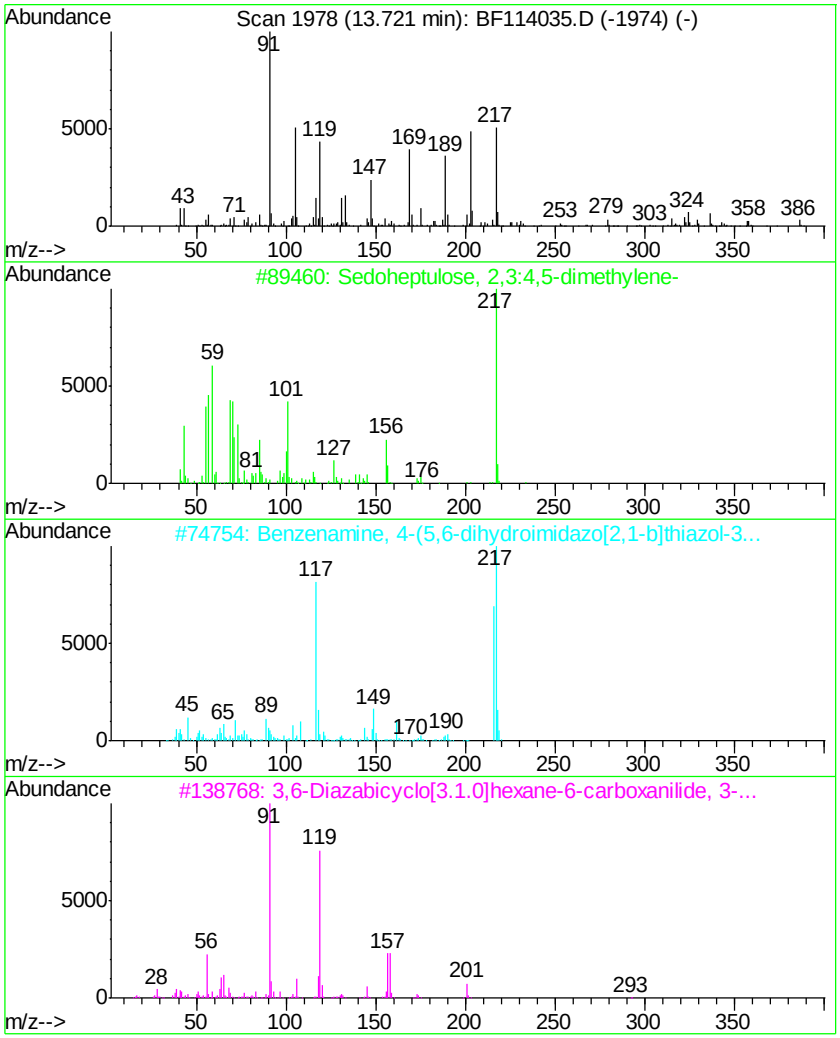
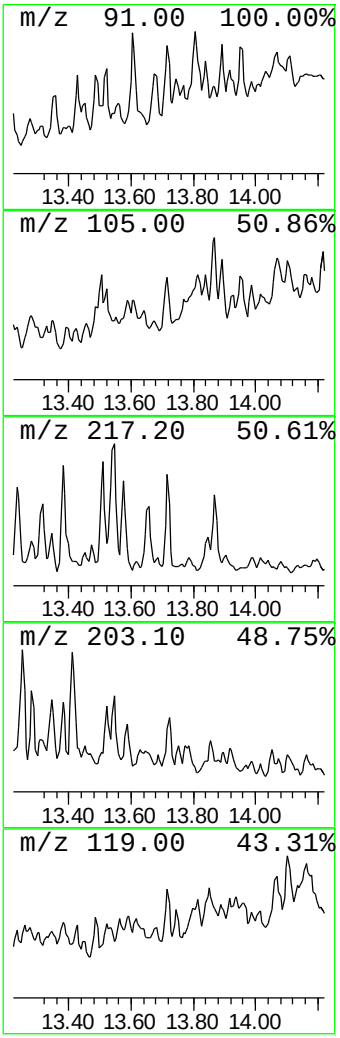
Peak Number 16 unknown13.72 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.72 | 13.59 ng | 762453 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sedoheptulose, 2,3:4,5-dimethylene- | 234 | C9H14O7 | 1000126-65-1 | 25 |
| 2 | Benzenamine, 4-(5,6-dihydroimida... | 217 | C11H11N3S | 1000362-38-4 | 14 |
| 3 | 3,6-Diazabicyclo[3.1.0]hexane-6-... | 293 | C18H19N3O | 020965-16-6 | 11 |
| 4 | Furano[2,3-b]quinolin-4(9H)-one,... | 217 | C12H11NO3 | 1000263-71-6 | 10 |
| 5 | Pyridine-2,5-dicarboxylic acid b... | 245 | C13H15N3O2 | 1000294-44-0 | 10 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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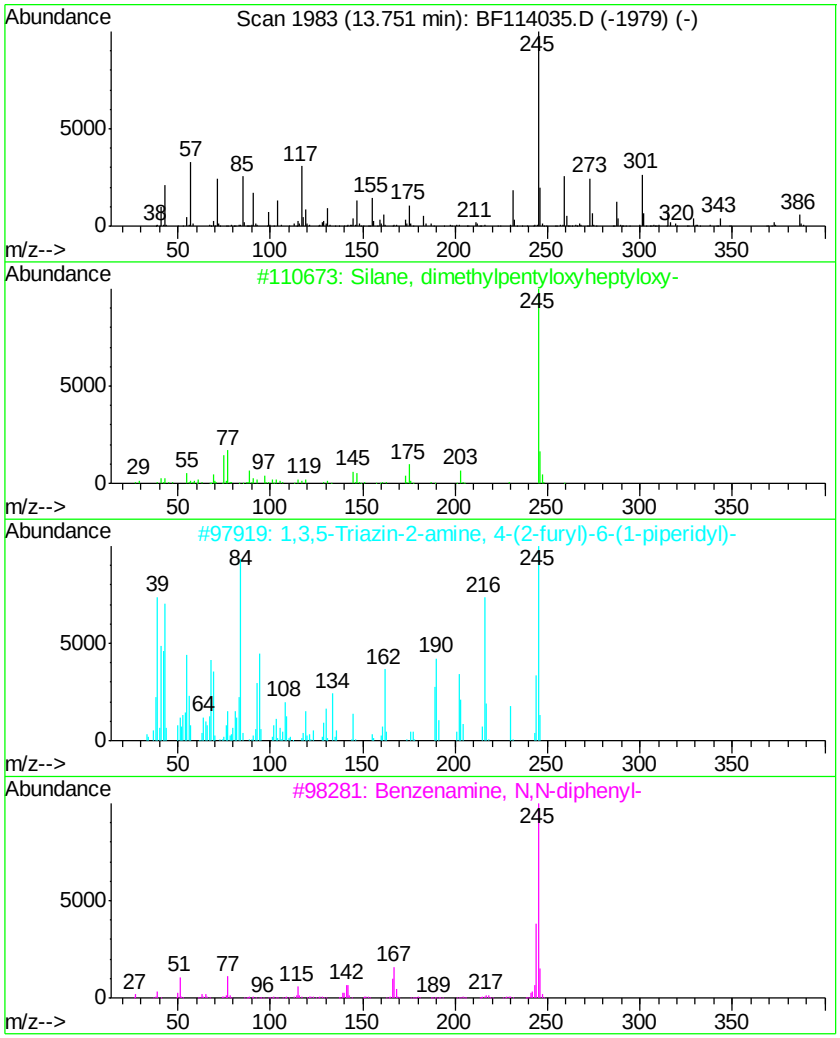
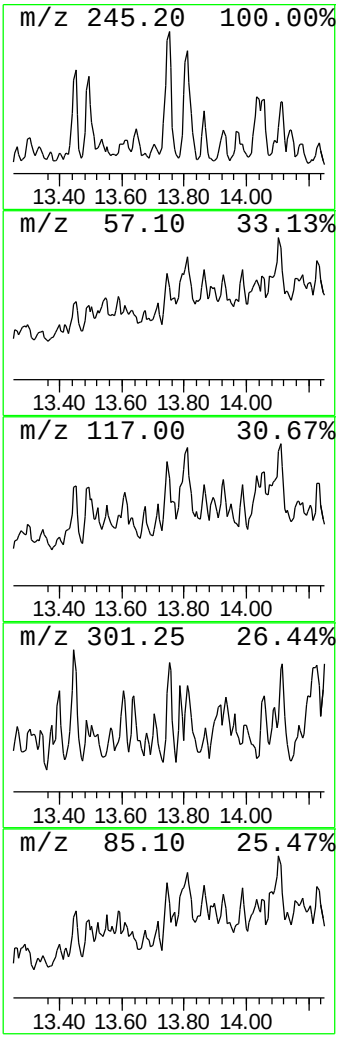
Peak Number 17 unknown13.75 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.75 | 19.89 ng | 1115990 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, dimethylpentyloxyheptyloxy- | 260 | C14H32O2Si | 1000346-82-5 | 22 |
| 2 | 1,3,5-Triazin-2-amine, 4-(2-fury... | 245 | C12H15N5O | 148403-53-6 | 22 |
| 3 | Benzenamine, N,N-diphenyl- | 245 | C18H15N | 000603-34-9 | 22 |
| 4 | 1H-Indole-3-butanoic acid, 1-met... | 245 | C14H15NO3 | 040547-43-1 | 18 |
| 5 | 2-Furancarboxamide, N-[2-[(cyclo... | 316 | C18H24N2O3 | 1000337-38-3 | 14 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

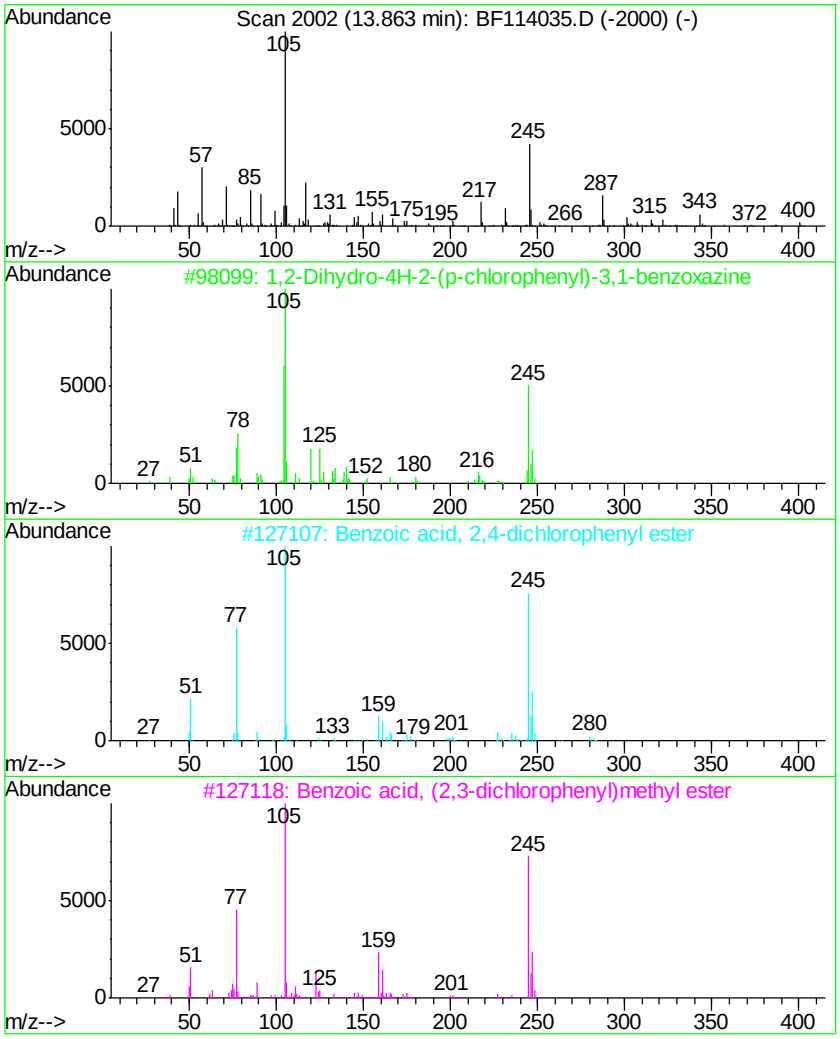
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

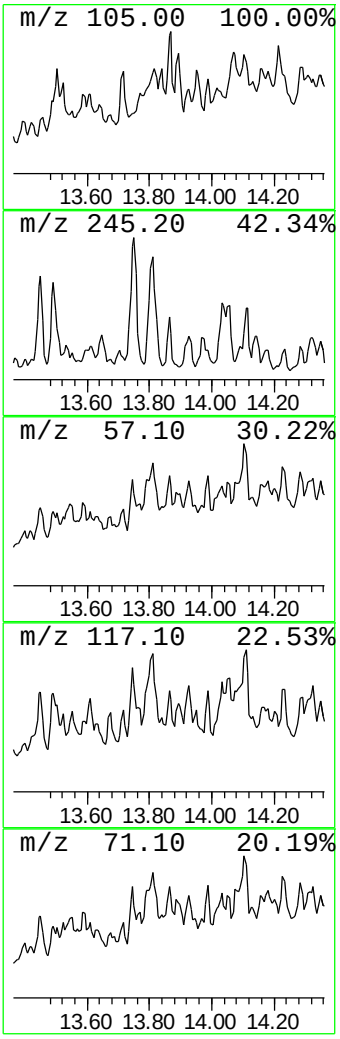
**********

Peak Number 18 unknown13.86 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.86 | 10.55 ng | 591800 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Dihydro-4H-2-(p-chlorophenyl... | 245 | C14H12ClNO | 082085-90-3 | 12 |
| 2 | Benzoic acid, 2,4-dichlorophenyl... | 280 | C14H10Cl2O2 | 1000368-90-3 | 9 |
| 3 | Benzoic acid, (2,3-dichloropheny... | 280 | C14H10Cl2O2 | 1000368-89-2 | 4 |
| 4 | Benzoic acid, (2,5-dichloropheny... | 280 | C14H10Cl2O2 | 1000368-89-5 | 2 |
| 5 | 2,4,6,8-Tetrathiatricyclo[3.3.1.... | 282 | C9H14S5 | 057274-35-8 | 2 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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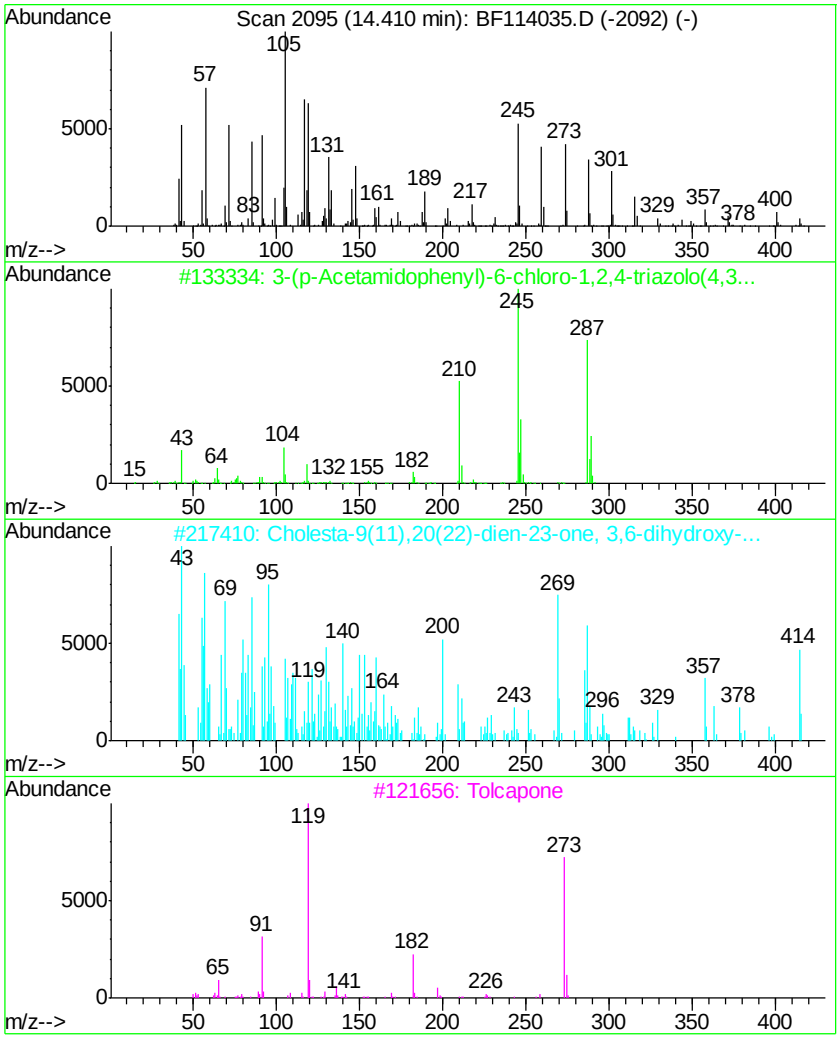
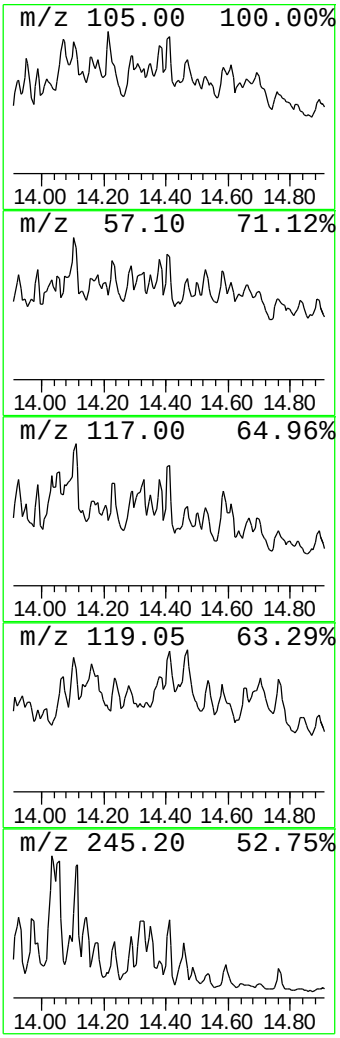
Peak Number 19 unknown14.41 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.41 | 18.82 ng | 1056150 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-(p-Acetamidophenyl)-6-chloro-1... | 287 | C13H10ClN5O | 1000239-76-6 | 11 |
| 2 | Cholesta-9(11),20(22)-dien-23-on... | 414 | C27H42O3 | 037717-05-8 | 11 |
| 3 | Tolcapone | 273 | C14H11NO5 | 134308-13-7 | 10 |
| 4 | 6-Amino-2-(3-ethoxybenzyl)-4-pyr... | 245 | C13H15N3O2 | 1000327-11-5 | 10 |
| 5 | Piperidine, 1-[[(3S)-3-chlorobic... | 245 | C12H20ClNS | 1000362-23-8 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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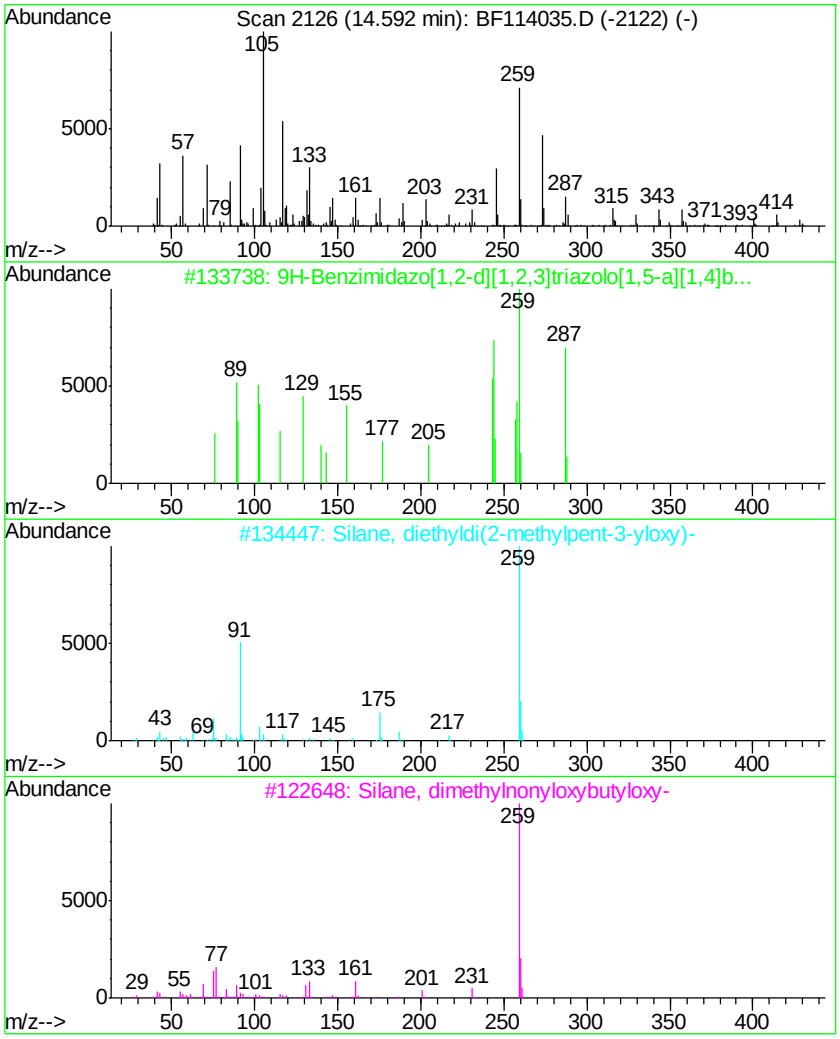
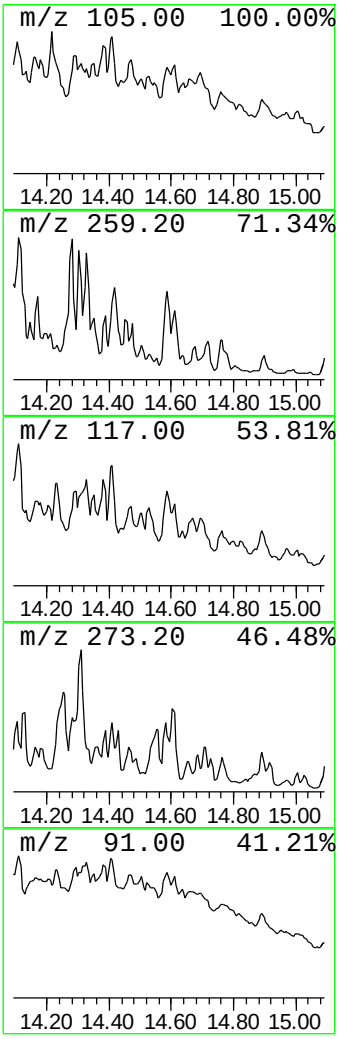
Peak Number 20 unknown14.59 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.59 | 16.20 ng | 908715 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Benzimidazo[1,2-d][1,2,3]tria... | 287 | C17H13N5 | 112254-05-4 | 25 |
| 2 | Silane, diethyldi(2-methylpent-3... | 288 | C16H36O2Si | 1000363-79-0 | 22 |
| 3 | Silane, dimethylnonyloxybutyloxy- | 274 | C15H34O2Si | 1000356-04-6 | 12 |
| 4 | Silane, diethyldi(4-methylpent-2... | 288 | C16H36O2Si | 1000363-44-3 | 12 |
| 5 | Silane, diethyldi(2-methylpentyl... | 288 | C16H36O2Si | 1000363-12-6 | 12 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114035.D
Acq On : 29 Apr 2019 20:46
Operator : JU/SJ
Sample : K2578-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WATER-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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 |
| unknown6.66 | 6.66 | 9.7 | ng | 315392 | 1 | 6.89 | 652857 | 20.0 |
| 1-Hexanol, 2-ethyl- | 6.96 | 14.4 | ng | 471239 | 1 | 6.89 | 652857 | 20.0 |
| unknown10.35 | 10.35 | 20.8 | ng | 1078950 | 3 | 9.93 | 1035970 | 20.0 |
| Benzene, (1-propy... | 11.52 | 11.9 | ng | 3233960 | 4 | 11.41 | 5428250 | 20.0 |
| Benzene, (1-ethyl... | 11.63 | 16.4 | ng | 4443550 | 4 | 11.41 | 5428250 | 20.0 |
| Benzene, (1-methy... | 11.81 | 25.9 | ng | 7025060 | 4 | 11.41 | 5428250 | 20.0 |
| Benzene, (1-penty... | 11.85 | 9.8 | ng | 2668010 | 4 | 11.41 | 5428250 | 20.0 |
| Benzene, (1-methy... | 12.22 | 12.2 | ng | 3301620 | 4 | 11.41 | 5428250 | 20.0 |
| unknown12.77 | 12.77 | 23.4 | ng | 1314360 | 5 | 14.06 | 1122200 | 20.0 |
| unknown12.85 | 12.85 | 13.0 | ng | 730797 | 5 | 14.06 | 1122200 | 20.0 |
| unknown13.13 | 13.13 | 11.5 | ng | 647382 | 5 | 14.06 | 1122200 | 20.0 |
| unknown13.17 | 13.17 | 13.9 | ng | 782407 | 5 | 14.06 | 1122200 | 20.0 |
| unknown13.45 | 13.45 | 15.6 | ng | 875962 | 5 | 14.06 | 1122200 | 20.0 |
| unknown13.49 | 13.49 | 16.3 | ng | 915953 | 5 | 14.06 | 1122200 | 20.0 |
| unknown13.72 | 13.72 | 13.6 | ng | 762453 | 5 | 14.06 | 1122200 | 20.0 |
| unknown13.75 | 13.75 | 19.9 | ng | 1115990 | 5 | 14.06 | 1122200 | 20.0 |
| unknown13.86 | 13.86 | 10.6 | ng | 591800 | 5 | 14.06 | 1122200 | 20.0 |
| unknown14.41 | 14.41 | 18.8 | ng | 1056150 | 5 | 14.06 | 1122200 | 20.0 |
| unknown14.59 | 14.59 | 16.2 | ng | 908715 | 5 | 14.06 | 1122200 | 20.0 |