LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

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-BF022719.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 | 5.340 | 548 | 553 | 556 | rBV | 3830625 | 3718966 | 83.03% | 6.682% |
| 2 | 6.010 | 665 | 667 | 670 | rVB | 52506 | 45787 | 1.02% | 0.082% |
| 3 | 6.369 | 723 | 728 | 733 | rBV | 3816977 | 4018130 | 89.71% | 7.220% |
| 4 | 6.498 | 745 | 750 | 753 | rBV | 4218391 | 3966463 | 88.55% | 7.127% |
| 5 | 6.728 | 786 | 789 | 793 | rBV | 1453165 | 1169921 | 26.12% | 2.102% |
| 6 | 6.886 | 812 | 816 | 819 | rBV | 3604143 | 3010180 | 67.20% | 5.409% |
| 7 | 7.286 | 879 | 884 | 892 | rBV | 2483032 | 2553198 | 57.00% | 4.588% |
| 8 | 8.010 | 1003 | 1007 | 1014 | rBV | 1658764 | 1542798 | 34.44% | 2.772% |
| 9 | 8.451 | 1077 | 1082 | 1085 | rBV | 57297 | 55949 | 1.25% | 0.101% |
| 10 | 9.086 | 1186 | 1190 | 1203 | rBV | 4669581 | 4370993 | 97.59% | 7.854% |
| 11 | 9.180 | 1203 | 1206 | 1210 | rVB2 | 77570 | 81079 | 1.81% | 0.146% |
| 12 | 9.475 | 1253 | 1256 | 1259 | rBV | 428613 | 382586 | 8.54% | 0.687% |
| 13 | 9.704 | 1293 | 1295 | 1299 | rVB | 62913 | 51330 | 1.15% | 0.092% |
| 14 | 9.757 | 1299 | 1304 | 1320 | rBV | 1777783 | 1886425 | 42.12% | 3.389% |
| 15 | 9.963 | 1336 | 1339 | 1343 | rBV | 68801 | 76081 | 1.70% | 0.137% |
| 16 | 10.080 | 1352 | 1359 | 1361 | rBV4 | 71749 | 124809 | 2.79% | 0.224% |
| 17 | 10.169 | 1371 | 1374 | 1378 | rVV3 | 69092 | 89952 | 2.01% | 0.162% |
| 18 | 10.204 | 1378 | 1380 | 1383 | rVB | 83740 | 64808 | 1.45% | 0.116% |
| 19 | 10.422 | 1414 | 1417 | 1420 | rBV2 | 45675 | 48113 | 1.07% | 0.086% |
| 20 | 10.463 | 1420 | 1424 | 1429 | rVB2 | 39136 | 49784 | 1.11% | 0.089% |
| 21 | 10.545 | 1433 | 1438 | 1443 | rBV | 3223959 | 3187506 | 71.16% | 5.727% |
| 22 | 10.674 | 1457 | 1460 | 1461 | rBV | 116127 | 102362 | 2.29% | 0.184% |
| 23 | 10.686 | 1461 | 1462 | 1467 | rVB | 109179 | 87724 | 1.96% | 0.158% |
| 24 | 11.092 | 1527 | 1531 | 1533 | rBV4 | 34648 | 45222 | 1.01% | 0.081% |
| 25 | 11.121 | 1533 | 1536 | 1539 | rVV3 | 83555 | 77495 | 1.73% | 0.139% |
| 26 | 11.233 | 1552 | 1555 | 1558 | rBV | 1914505 | 1899102 | 42.40% | 3.412% |
| 27 | 11.310 | 1563 | 1568 | 1571 | rVB3 | 50378 | 76539 | 1.71% | 0.138% |
| 28 | 11.351 | 1571 | 1575 | 1578 | rBV3 | 38369 | 55647 | 1.24% | 0.100% |
| 29 | 11.545 | 1605 | 1608 | 1610 | rBV | 87084 | 72487 | 1.62% | 0.130% |
| 30 | 11.774 | 1643 | 1647 | 1652 | rBV2 | 763838 | 879801 | 19.64% | 1.581% |
| 31 | 11.845 | 1656 | 1659 | 1661 | rVV | 157975 | 168797 | 3.77% | 0.303% |
| 32 | 11.886 | 1661 | 1666 | 1669 | rVB2 | 357247 | 370986 | 8.28% | 0.667% |
| 33 | 11.951 | 1674 | 1677 | 1679 | rBV | 99099 | 85075 | 1.90% | 0.153% |
| 34 | 11.986 | 1679 | 1683 | 1687 | rVB | 867373 | 764741 | 17.07% | 1.374% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.027 | 1688 | 1690 | 1692 | rBV | 59782 | 51238 | 1.14% | 0.092% |
| 36 | 12.098 | 1699 | 1702 | 1707 | rVB | 179779 | 162618 | 3.63% | 0.292% |
| 37 | 12.186 | 1714 | 1717 | 1720 | rBV2 | 207710 | 176716 | 3.95% | 0.318% |
| 38 | 12.286 | 1728 | 1734 | 1737 | rBV2 | 125439 | 187252 | 4.18% | 0.336% |
| 39 | 12.339 | 1740 | 1743 | 1746 | rVV2 | 107148 | 127619 | 2.85% | 0.229% |
| 40 | 12.368 | 1746 | 1748 | 1753 | rVV4 | 49207 | 69557 | 1.55% | 0.125% |
| 41 | 12.445 | 1758 | 1761 | 1764 | rVV | 531931 | 438514 | 9.79% | 0.788% |
| 42 | 12.492 | 1765 | 1769 | 1775 | rVV | 364303 | 418697 | 9.35% | 0.752% |
| 43 | 12.557 | 1777 | 1780 | 1789 | rVB2 | 380913 | 425002 | 9.49% | 0.764% |
| 44 | 12.668 | 1794 | 1799 | 1802 | rBV2 | 309032 | 339134 | 7.57% | 0.609% |
| 45 | 12.710 | 1803 | 1806 | 1808 | rBV2 | 51441 | 46204 | 1.03% | 0.083% |
| 46 | 12.786 | 1816 | 1819 | 1820 | rBV | 94724 | 76841 | 1.72% | 0.138% |
| 47 | 12.821 | 1820 | 1825 | 1828 | rVB | 4460827 | 4479164 | 100.00% | 8.048% |
| 48 | 12.951 | 1844 | 1847 | 1853 | rBV | 517817 | 529903 | 11.83% | 0.952% |
| 49 | 13.063 | 1863 | 1866 | 1868 | rVB | 149377 | 129985 | 2.90% | 0.234% |
| 50 | 13.092 | 1868 | 1871 | 1875 | rBV2 | 213919 | 199974 | 4.46% | 0.359% |
| 51 | 13.398 | 1921 | 1923 | 1930 | rVB2 | 180085 | 194504 | 4.34% | 0.349% |
| 52 | 13.463 | 1932 | 1934 | 1937 | rVV | 82019 | 79005 | 1.76% | 0.142% |
| 53 | 13.498 | 1938 | 1940 | 1945 | rVB | 84535 | 100437 | 2.24% | 0.180% |
| 54 | 13.551 | 1947 | 1949 | 1955 | rVV2 | 78559 | 94303 | 2.11% | 0.169% |
| 55 | 13.610 | 1956 | 1959 | 1962 | rVV2 | 65220 | 73118 | 1.63% | 0.131% |
| 56 | 13.639 | 1962 | 1964 | 1966 | rVV2 | 57928 | 65789 | 1.47% | 0.118% |
| 57 | 13.663 | 1966 | 1968 | 1972 | rVV2 | 180246 | 183281 | 4.09% | 0.329% |
| 58 | 13.727 | 1976 | 1979 | 1986 | rVB | 553279 | 617478 | 13.79% | 1.109% |
| 59 | 13.863 | 1997 | 2002 | 2004 | rBV | 1845534 | 2008683 | 44.85% | 3.609% |
| 60 | 13.880 | 2004 | 2005 | 2009 | rVB | 214371 | 167380 | 3.74% | 0.301% |
| 61 | 14.045 | 2029 | 2033 | 2036 | rVB | 498618 | 456464 | 10.19% | 0.820% |
| 62 | 14.345 | 2081 | 2084 | 2090 | rBV | 866455 | 824732 | 18.41% | 1.482% |
| 63 | 14.615 | 2127 | 2130 | 2131 | rBV | 119524 | 112195 | 2.50% | 0.202% |
| 64 | 14.639 | 2131 | 2134 | 2141 | rVV | 1084829 | 1096623 | 24.48% | 1.970% |
| 65 | 14.710 | 2144 | 2146 | 2152 | rVB3 | 97580 | 122387 | 2.73% | 0.220% |
| 66 | 14.862 | 2169 | 2172 | 2181 | rVB | 197273 | 377322 | 8.42% | 0.678% |
| 67 | 14.957 | 2184 | 2188 | 2192 | rBV | 1084138 | 1117676 | 24.95% | 2.008% |
| 68 | 15.145 | 2217 | 2220 | 2223 | rBV | 95832 | 105501 | 2.36% | 0.190% |
| 69 | 15.204 | 2227 | 2230 | 2235 | rVB | 88857 | 113026 | 2.52% | 0.203% |
| 70 | 15.262 | 2235 | 2240 | 2244 | rBV | 1194628 | 1548046 | 34.56% | 2.781% |
| 71 | 15.309 | 2244 | 2248 | 2254 | rVB | 813779 | 1065985 | 23.80% | 1.915% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 15.715 | 2312 | 2317 | 2323 | rBV | 597302 | 881192 | 19.67% | 1.583% |
| 73 | 16.180 | 2391 | 2396 | 2406 | rVB | 324290 | 548748 | 12.25% | 0.986% |
| 74 | 16.609 | 2466 | 2469 | 2477 | rVB2 | 51974 | 89786 | 2.00% | 0.161% |
| 75 | 16.727 | 2484 | 2489 | 2495 | rVB | 102257 | 189978 | 4.24% | 0.341% |
| 76 | 17.015 | 2535 | 2538 | 2545 | rVB | 45954 | 85277 | 1.90% | 0.153% |
| 77 | 17.198 | 2564 | 2569 | 2581 | rVB | 54111 | 149940 | 3.35% | 0.269% |
| 78 | 18.792 | 2835 | 2840 | 2850 | rVB2 | 56062 | 147120 | 3.28% | 0.264% |

Sum of corrected areas: 55655230

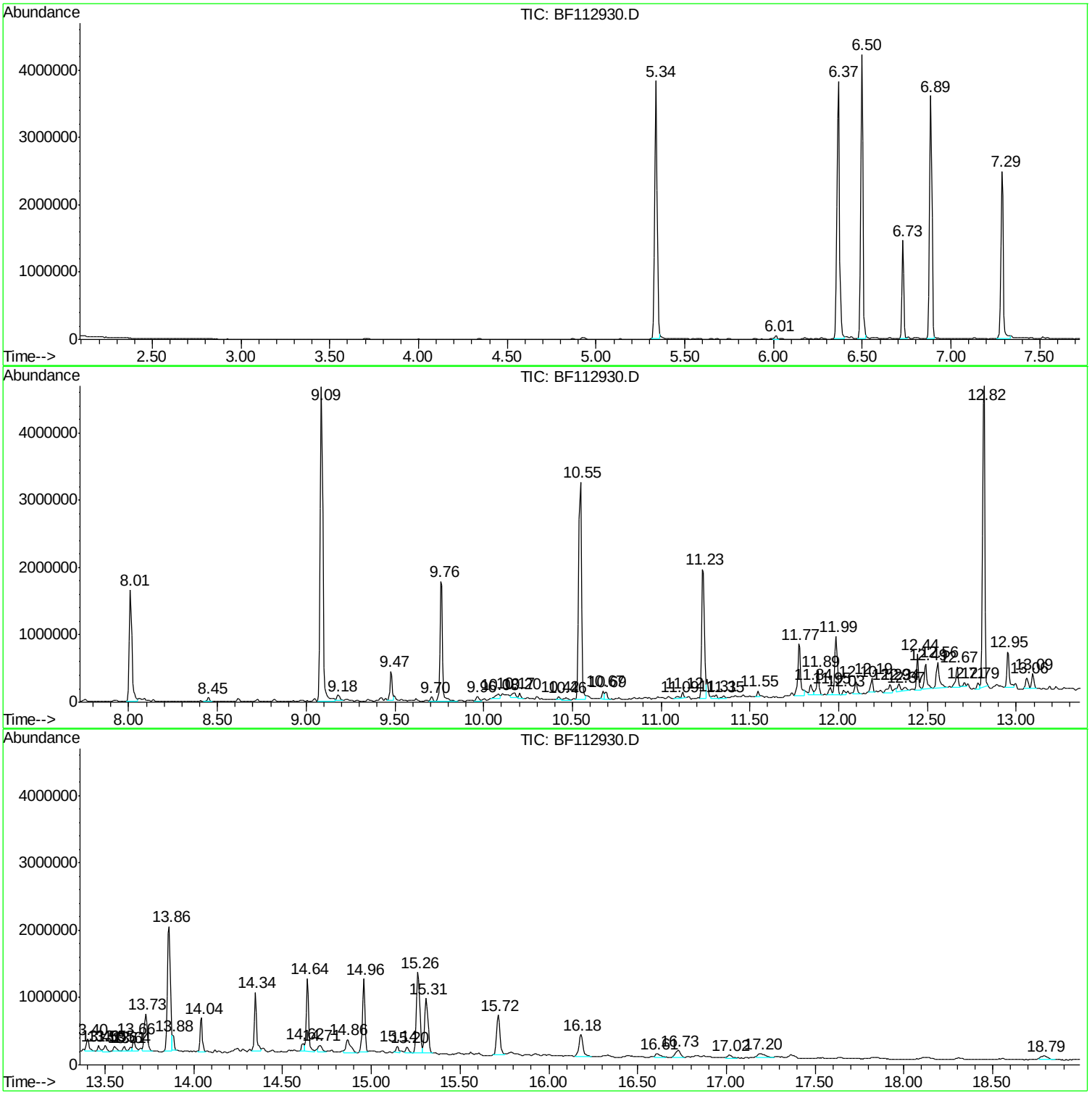
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

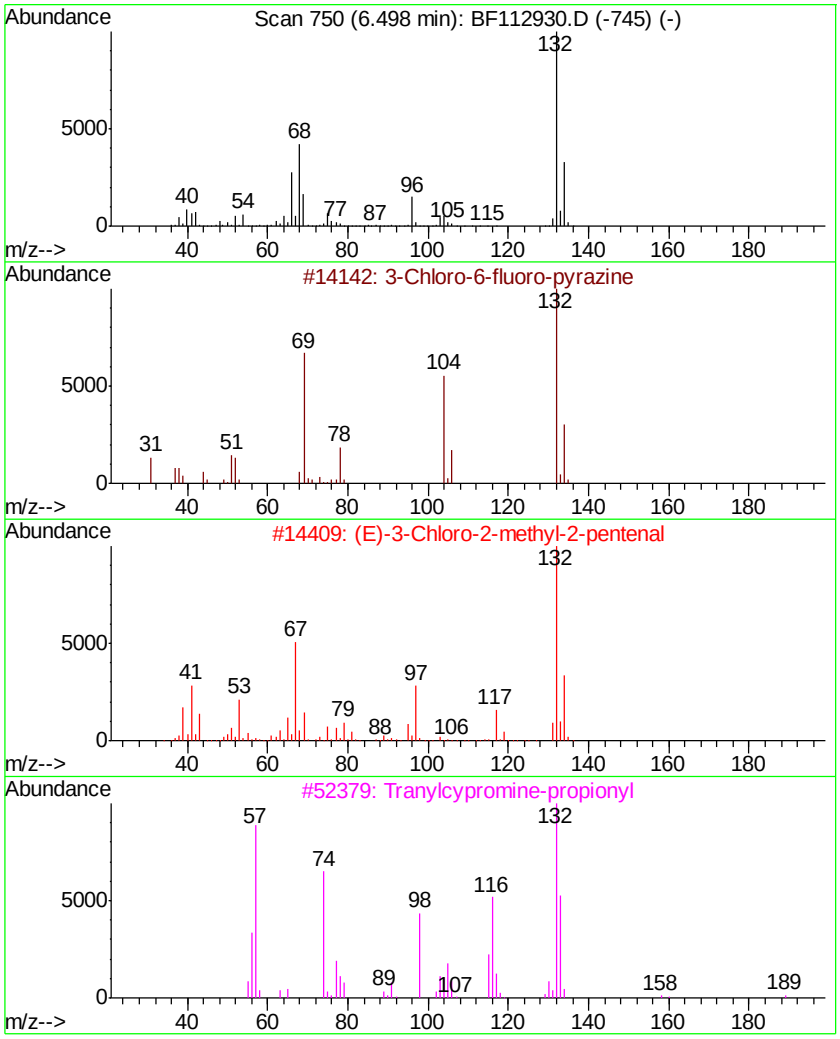
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

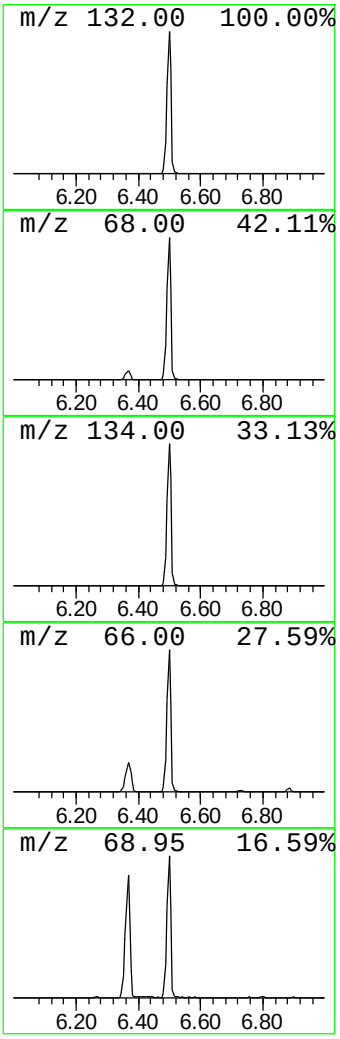
**********

Peak Number 1 unknown6.50 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.50 | 67.81 ng | 3966460 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

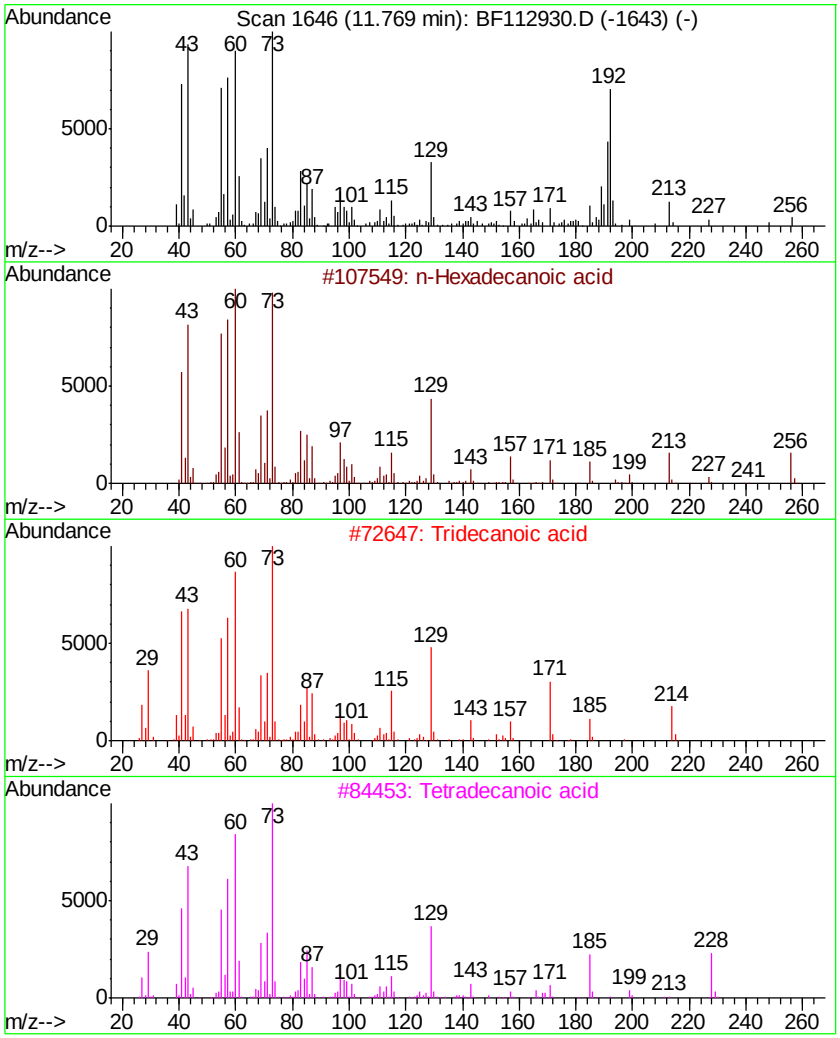
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

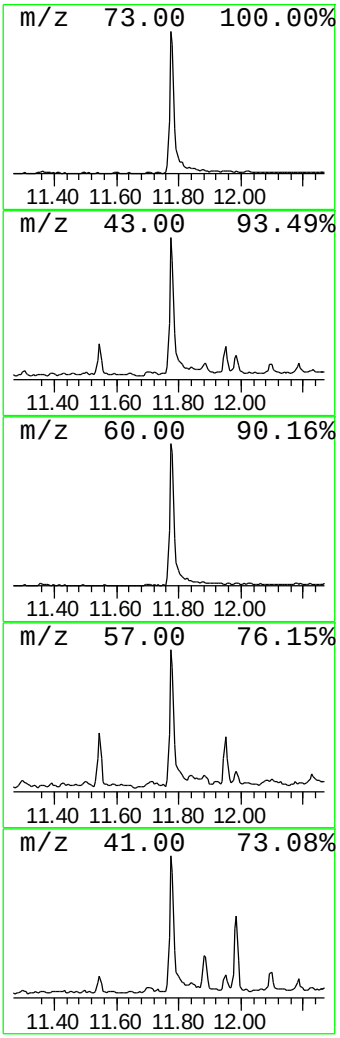
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.77 | 9.27 ng | 879801 | Phenanthrene-d10 | 11.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 95 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 90 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 5 | Oxalic acid, cyclobutyl tetradec... | 340 | C20H36O4 | 1000309-70-9 | 18 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

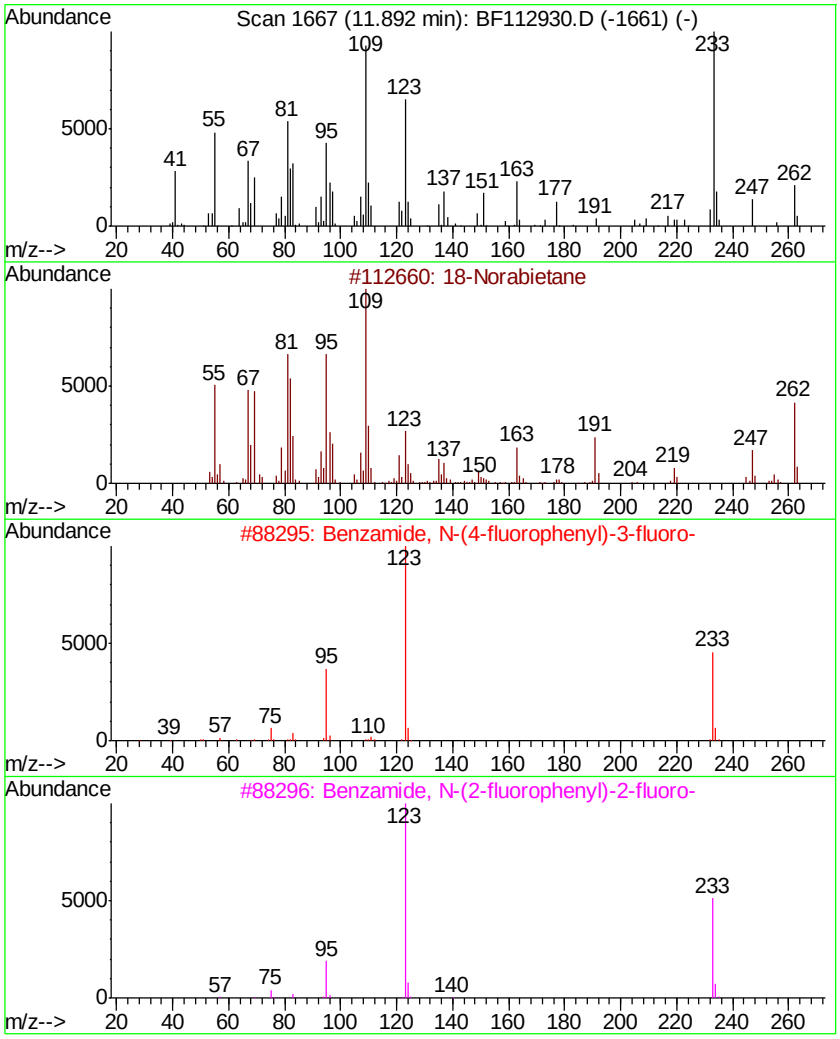
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

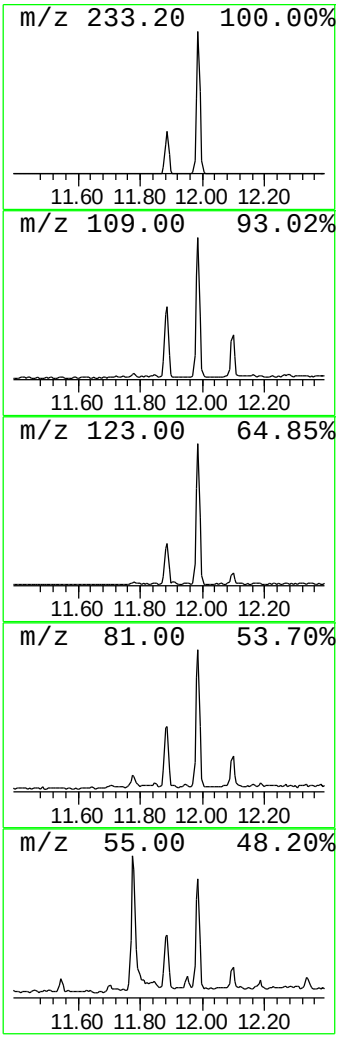
**********

Peak Number 4 18-Norabietane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.89 | 3.91 ng | 370986 | Phenanthrene-d10 | 11.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 18-Norabietane | 262 | C19H34 | 1000293-16-6 | 78 |
| 2 | Benzamide, N-(4-fluorophenyl)-3-... | 233 | C13H9F2NO | 1000307-16-3 | 38 |
| 3 | Benzamide, N-(2-fluorophenyl)-2-... | 233 | C13H9F2NO | 1000308-09-1 | 38 |
| 4 | Phenol, 2,6-bis(1,1-dimethylethy... | 262 | C18H30O | 017540-75-9 | 18 |
| 5 | Cyclohexanone, (4-nitrophenyl)hy... | 233 | C12H15N3O2 | 001919-96-6 | 15 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

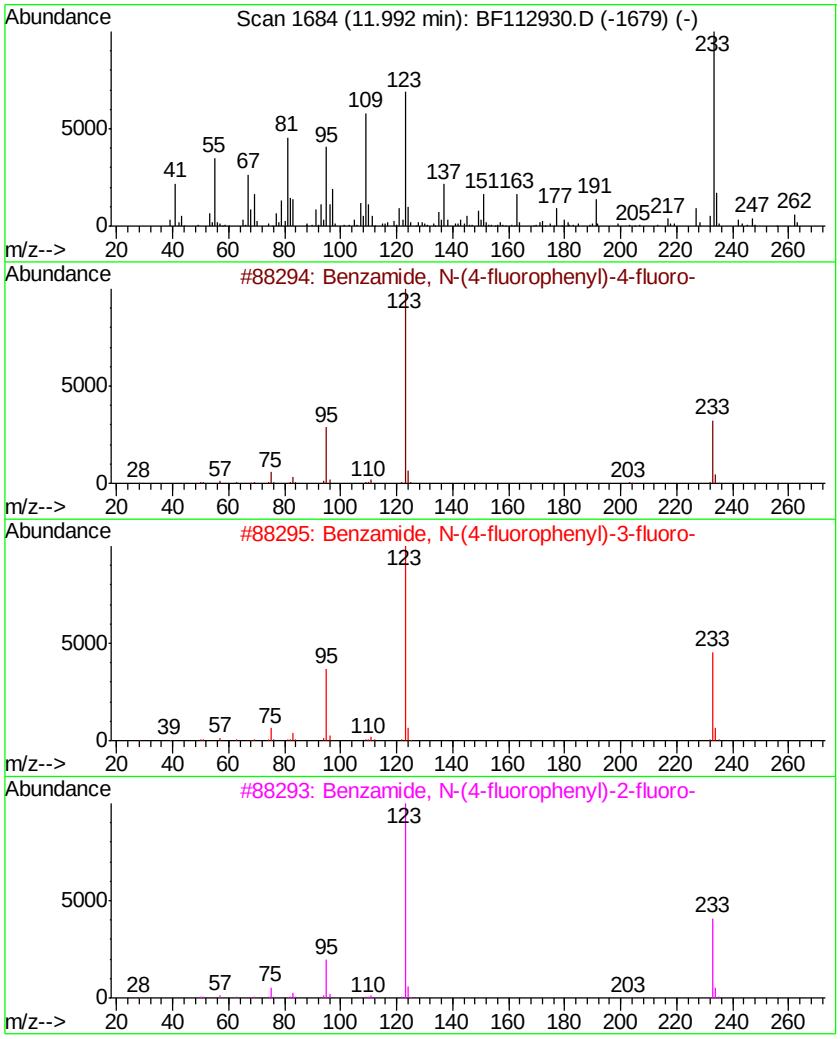
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

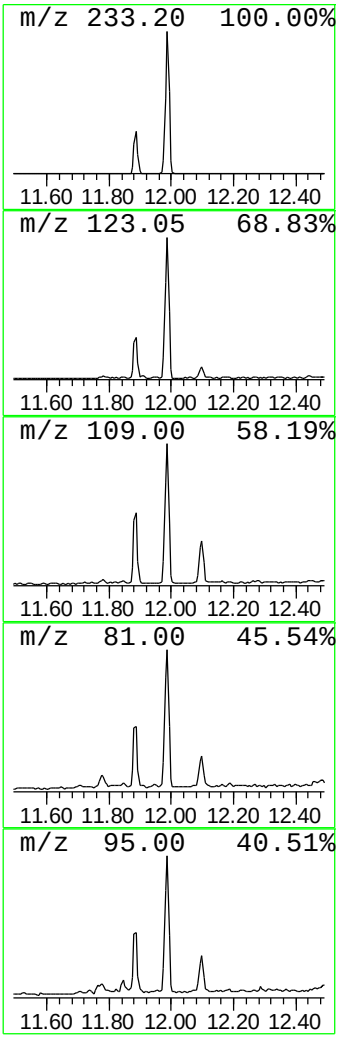
**********

Peak Number 5 unknown11.99 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.99 | 8.05 ng | 764741 | Phenanthrene-d10 | 11.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzamide, N-(4-fluorophenyl)-4-... | 233 | C13H9F2NO | 1000307-10-1 | 43 |
| 2 | Benzamide, N-(4-fluorophenyl)-3-... | 233 | C13H9F2NO | 1000307-16-3 | 22 |
| 3 | Benzamide, N-(4-fluorophenyl)-2-... | 233 | C13H9F2NO | 1000307-07-9 | 22 |
| 4 | Benzoic acid, 4-fluoro-, anhydride | 262 | C14H8F2O3 | 025569-77-1 | 18 |
| 5 | (7,7-Dimethyl-2-oxobicyclo[2.2.1... | 250 | C10H15ClO3S | 1000194-76-1 | 14 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

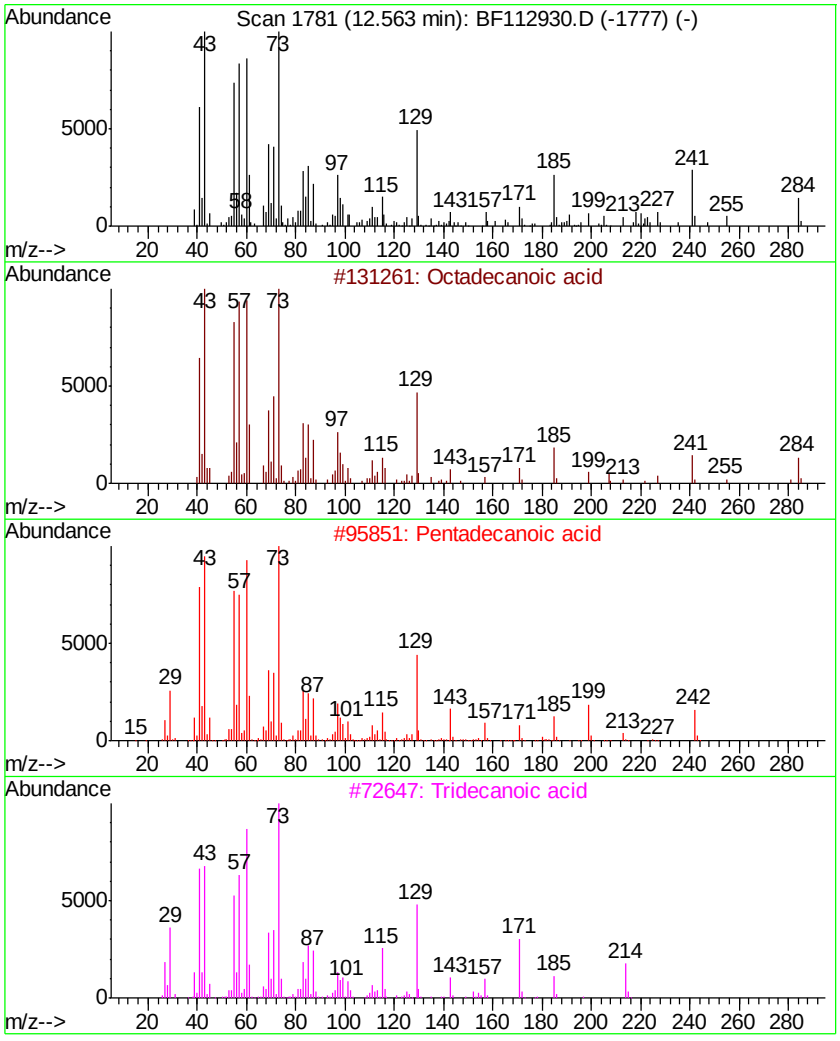
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

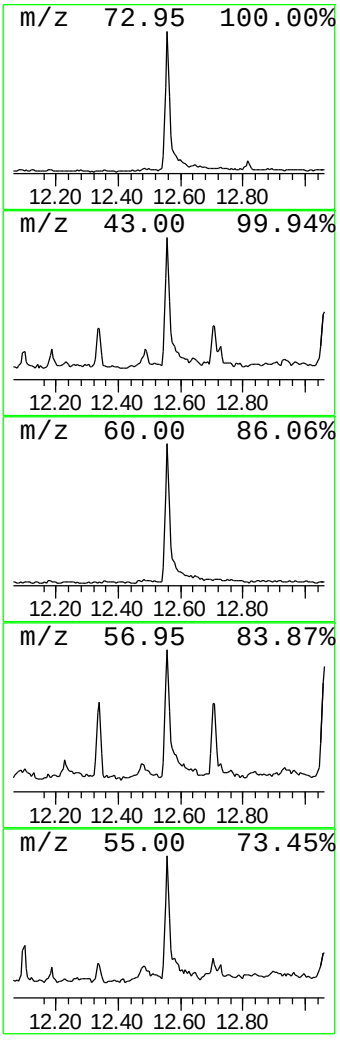
**********

Peak Number 6 Octadecanoic acid Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.56 | 4.23 ng | 425002 | Chrysene-d12 | 13.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 89 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 74 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

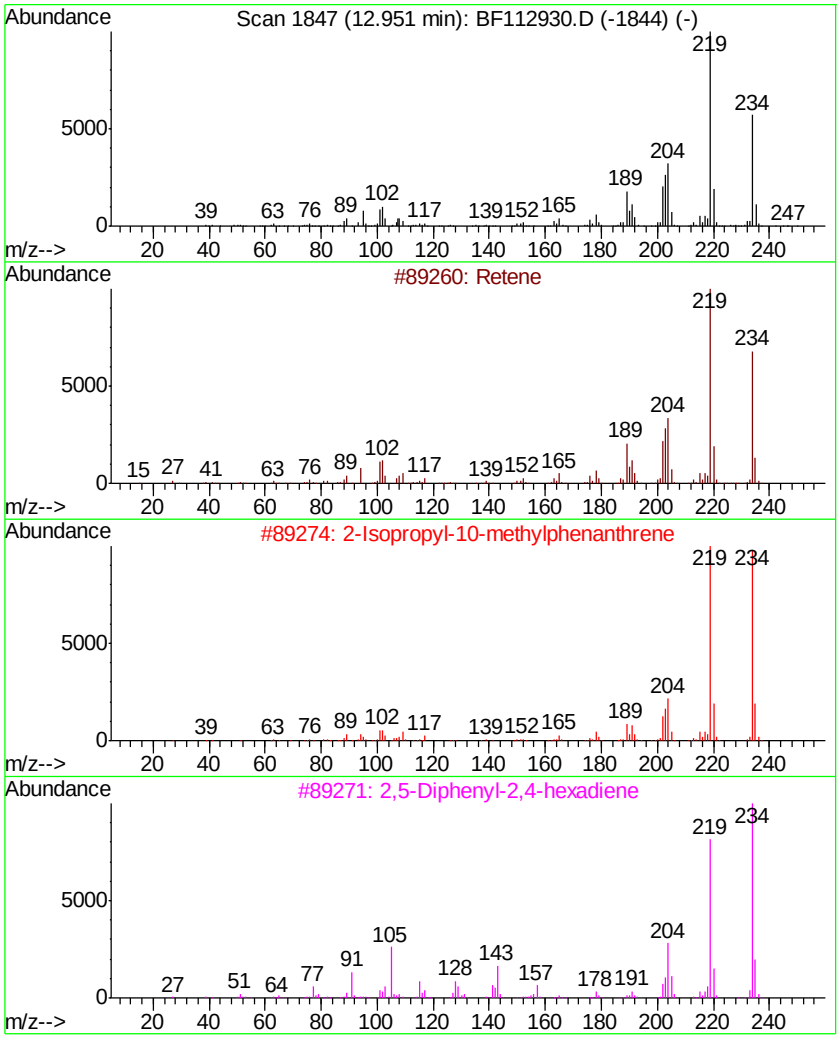
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

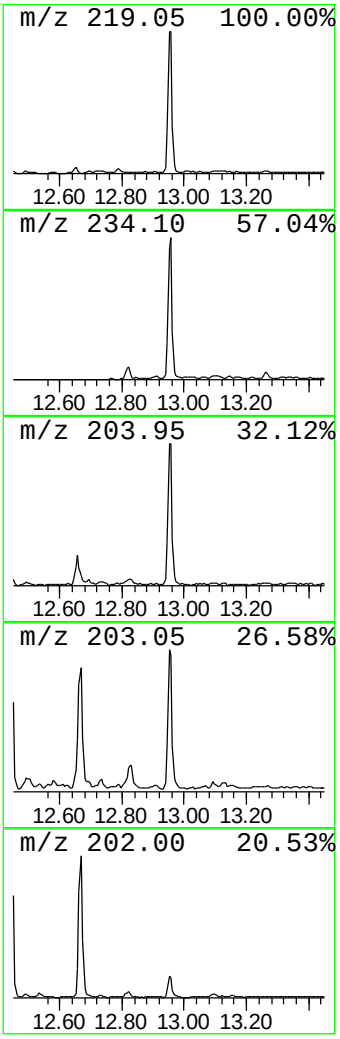
**********

Peak Number 7 Retene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.95 | 5.28 ng | 529903 | Chrysene-d12 | 13.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Retene | 234 | C18H18 | 000483-65-8 | 99 |
| 2 | 2-Isopropyl-10-methylphenanthrene | 234 | C18H18 | 066552-97-4 | 95 |
| 3 | 2,5-Diphenyl-2,4-hexadiene | 234 | C18H18 | 016819-47-9 | 74 |
| 4 | Phenol, 2,6-bis(1,1-dimethylethy... | 234 | C16H26O | 004130-42-1 | 52 |
| 5 | 1-(10-Methylanthracen-9-yl)ethanone | 234 | C17H14O | 036778-18-4 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

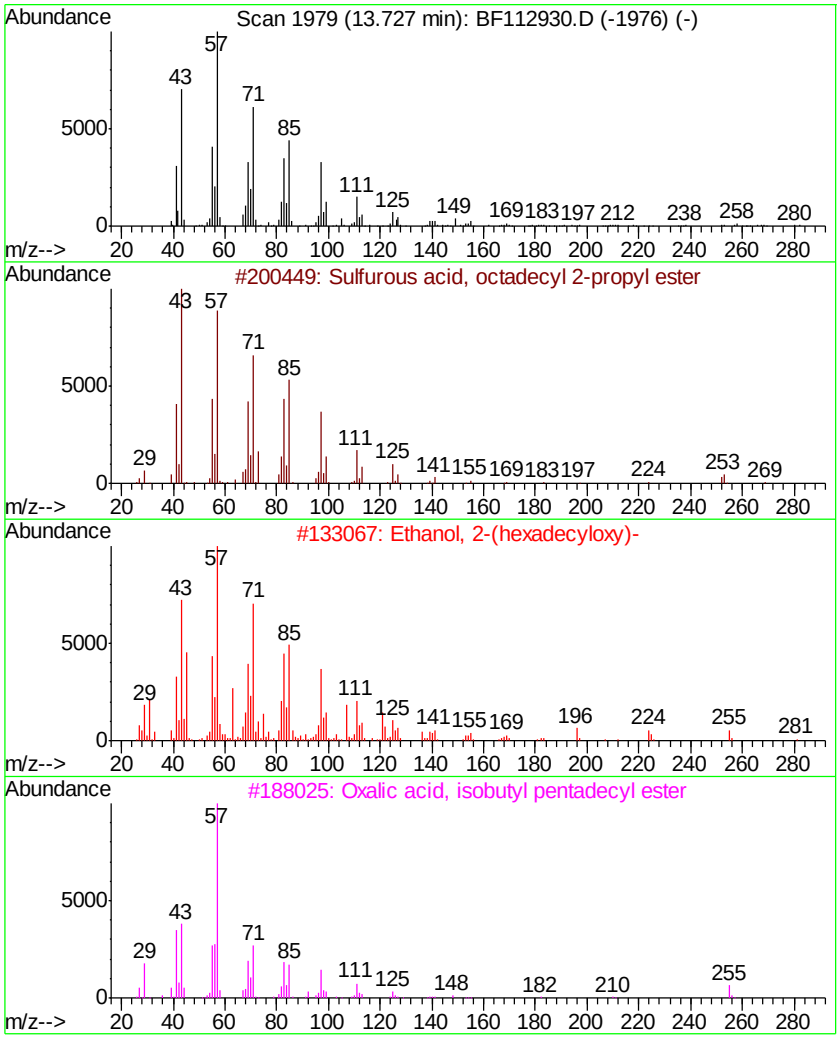
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

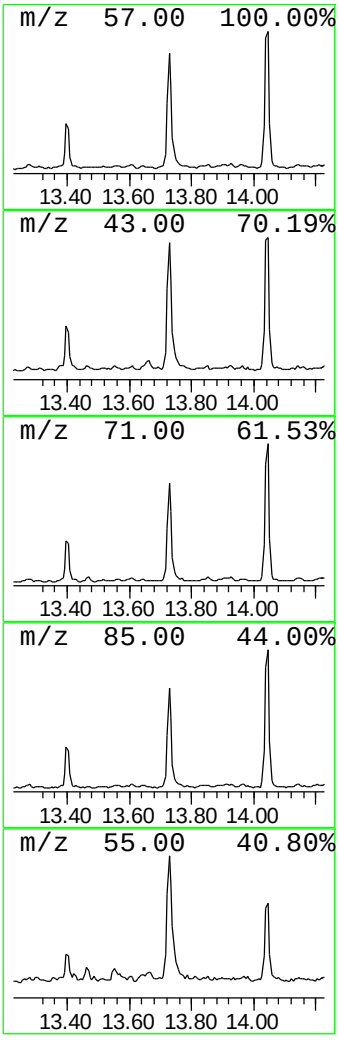
**********

Peak Number 8 Sulfurous acid, octadecyl 2... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.73 | 6.15 ng | 617478 | Chrysene-d12 | 13.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfurous acid, octadecyl 2-prop... | 376 | C21H44O3S | 1000309-12-7 | 87 |
| 2 | Ethanol, 2-(hexadecyloxy)- | 286 | C18H38O2 | 002136-71-2 | 80 |
| 3 | Oxalic acid, isobutyl pentadecyl... | 356 | C21H40O4 | 1000309-38-0 | 74 |
| 4 | Dodecane | 170 | C12H26 | 000112-40-3 | 70 |
| 5 | Nonadecane | 268 | C19H40 | 000629-92-5 | 70 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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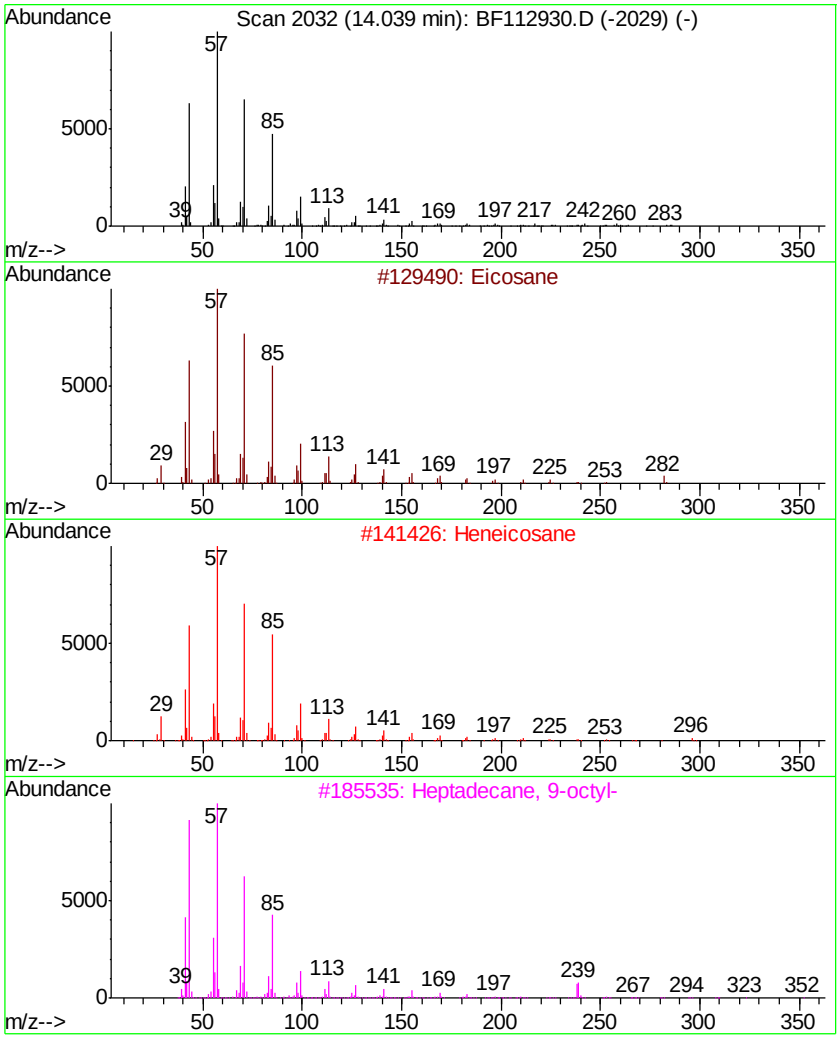
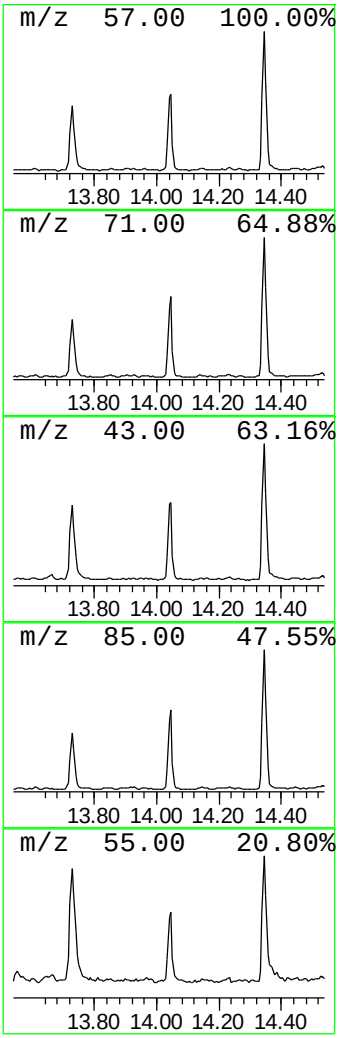
Peak Number 9 Eicosane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.04 | 4.54 ng | 456464 | Chrysene-d12 | 13.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 4 | Nonadecane, 2-methyl- | 282 | C20H42 | 001560-86-7 | 90 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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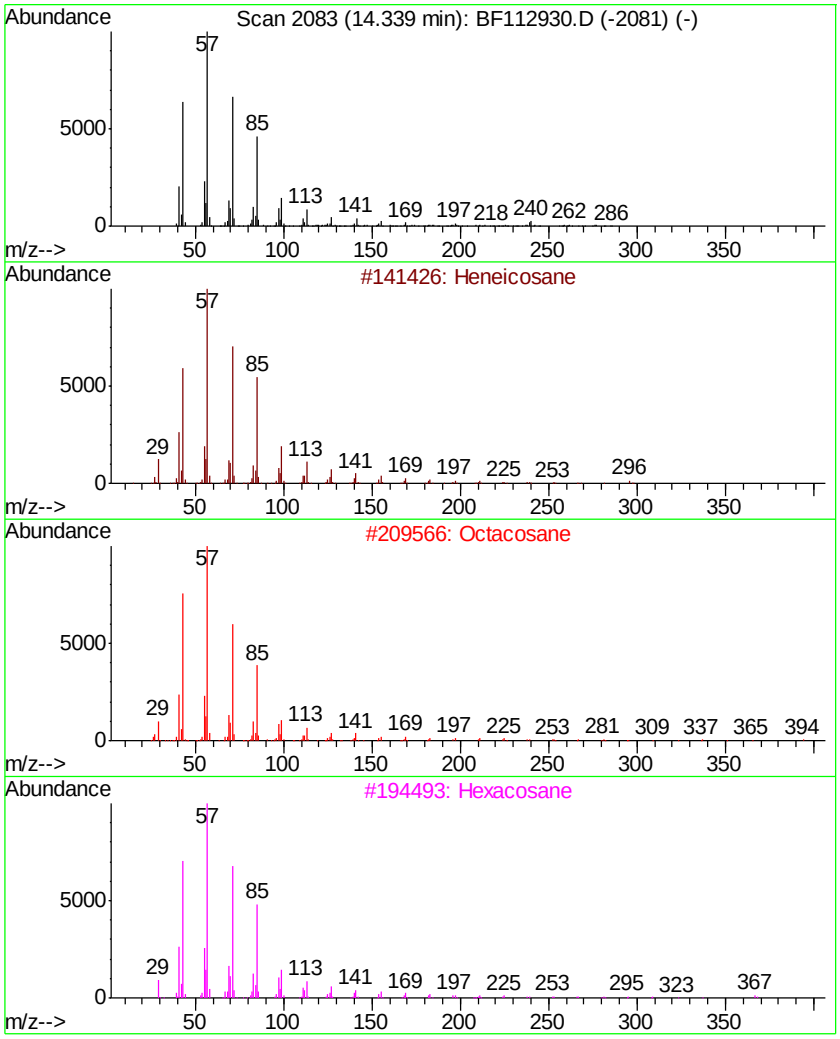
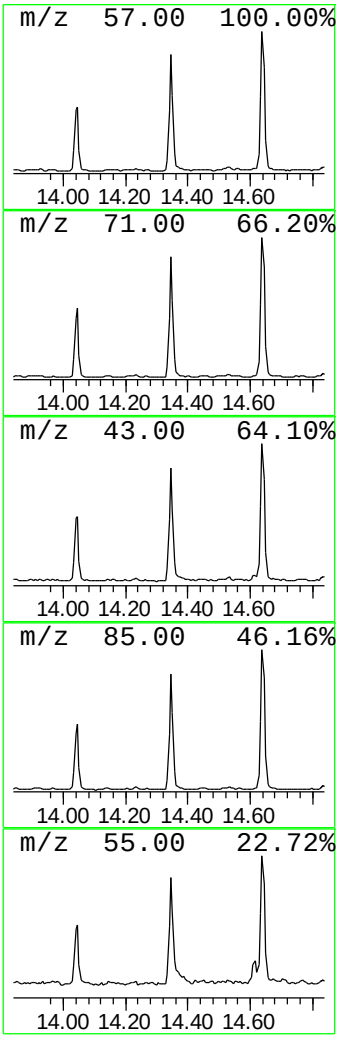
Peak Number 10 Heneicosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.34 | 8.21 ng | 824732 | Chrysene-d12 | 13.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 87 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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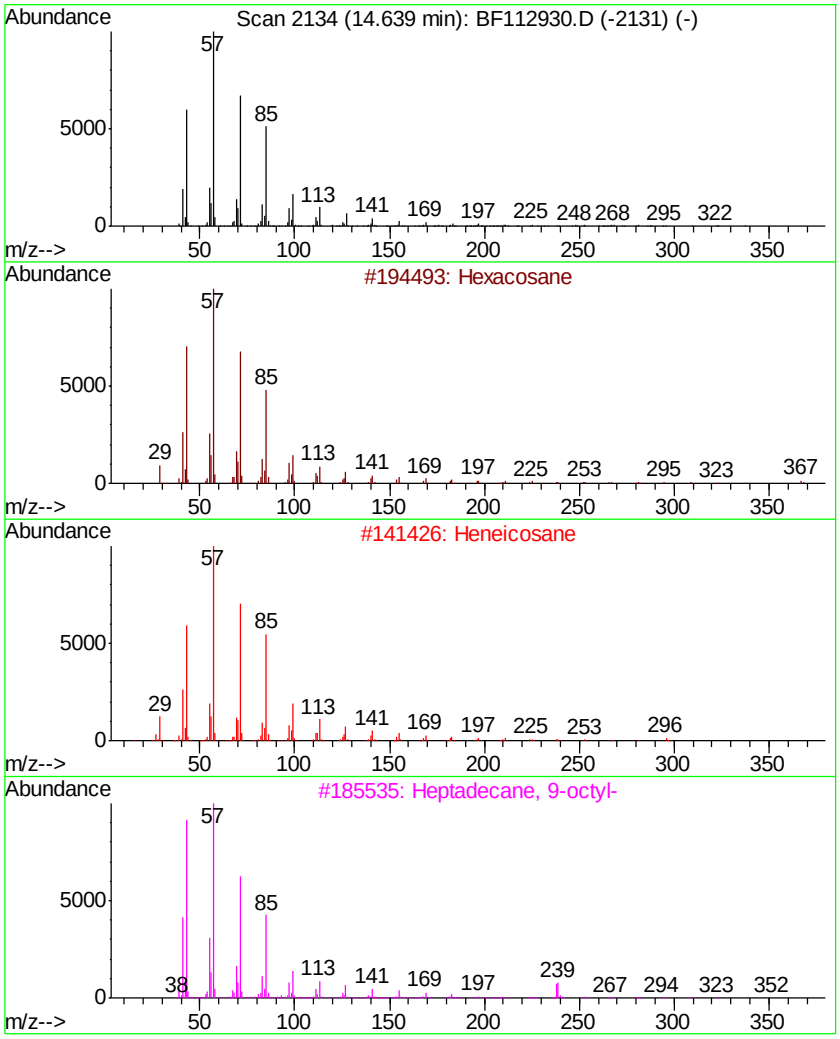
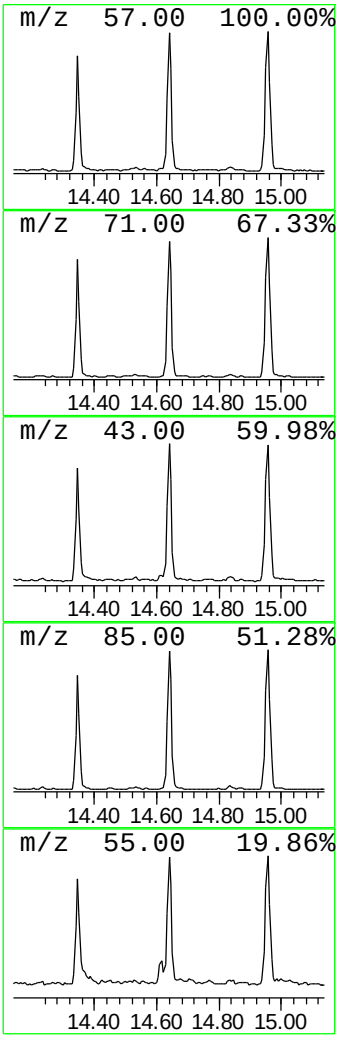
Peak Number 11 Hexacosane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.64 | 14.17 ng | 1096620 | Perylene-d12 | 15.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 90 |
| 4 | 2-Bromotetradecane | 276 | C14H29Br | 074036-95-6 | 86 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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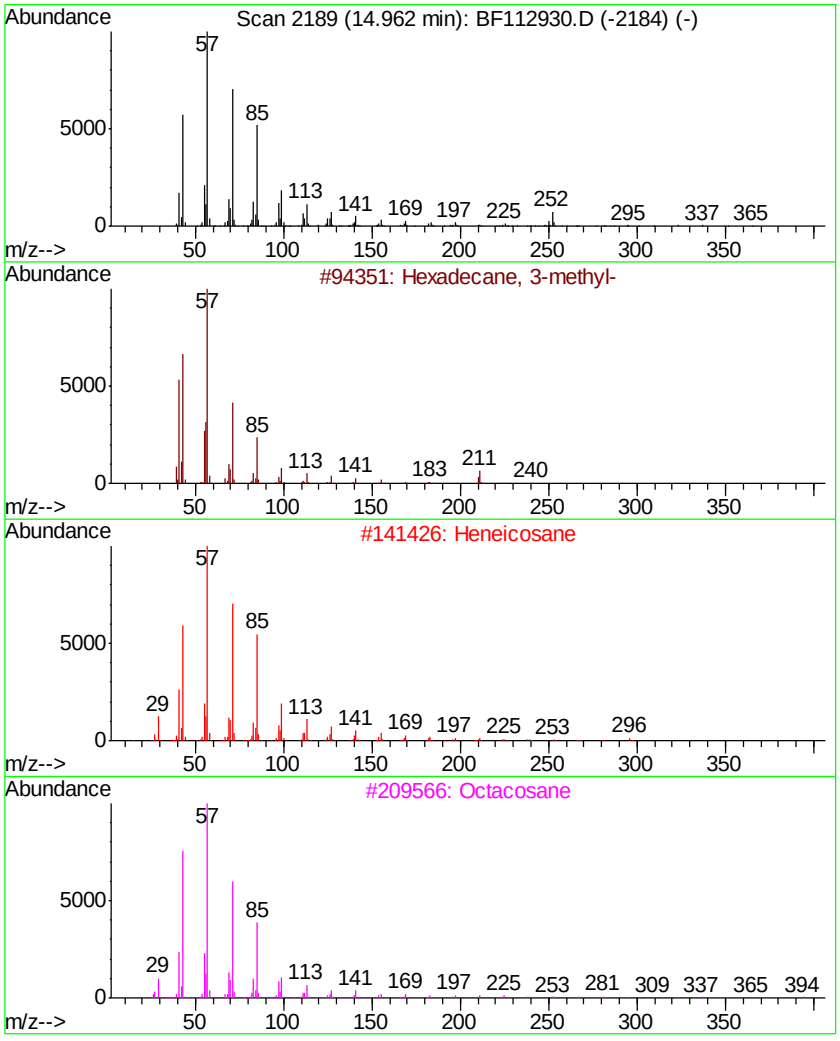
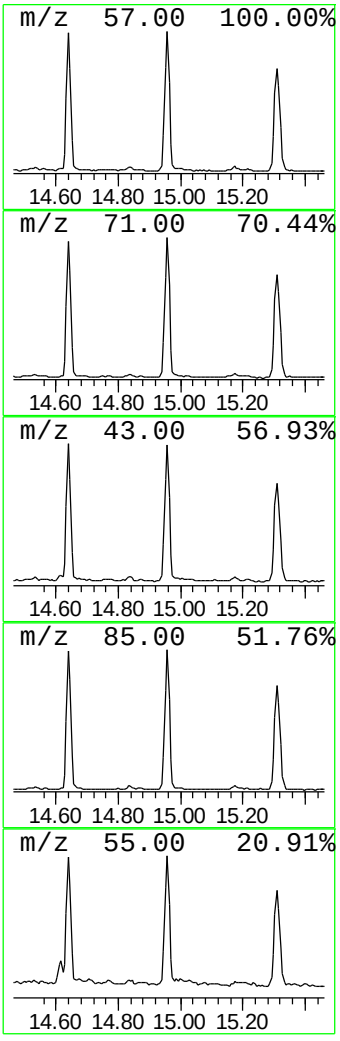
Peak Number 12 Hexadecane, 3-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.96 | 14.44 ng | 1117680 | Perylene-d12 | 15.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane, 3-methyl- | 240 | C17H36 | 006418-43-5 | 94 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 4 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 90 |
| 5 | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

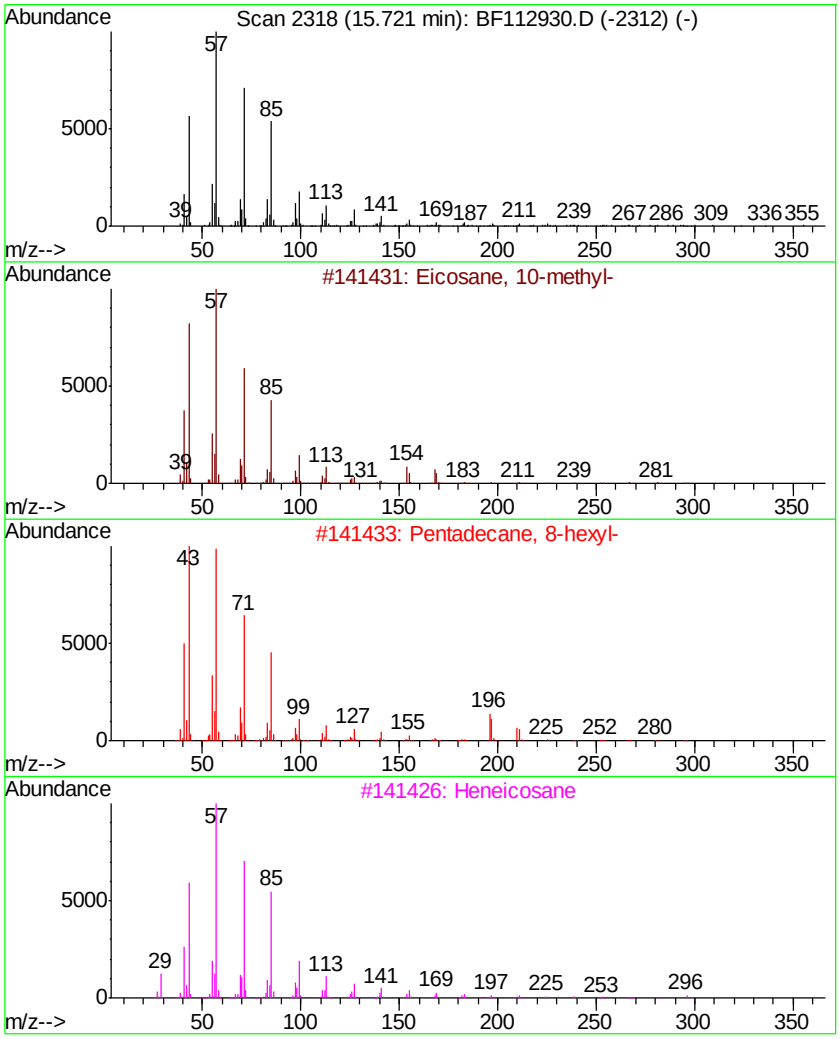
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

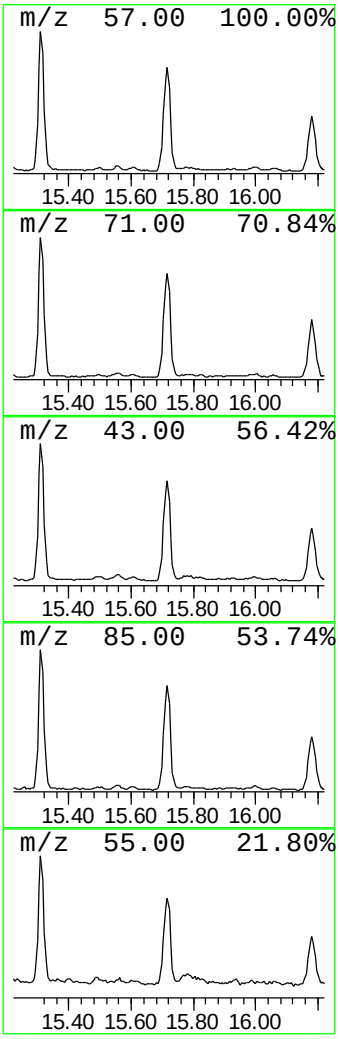
**********

Peak Number 13 Eicosane, 10-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.72 | 11.38 ng | 881192 | Perylene-d12 | 15.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 94 |
| 2 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 94 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

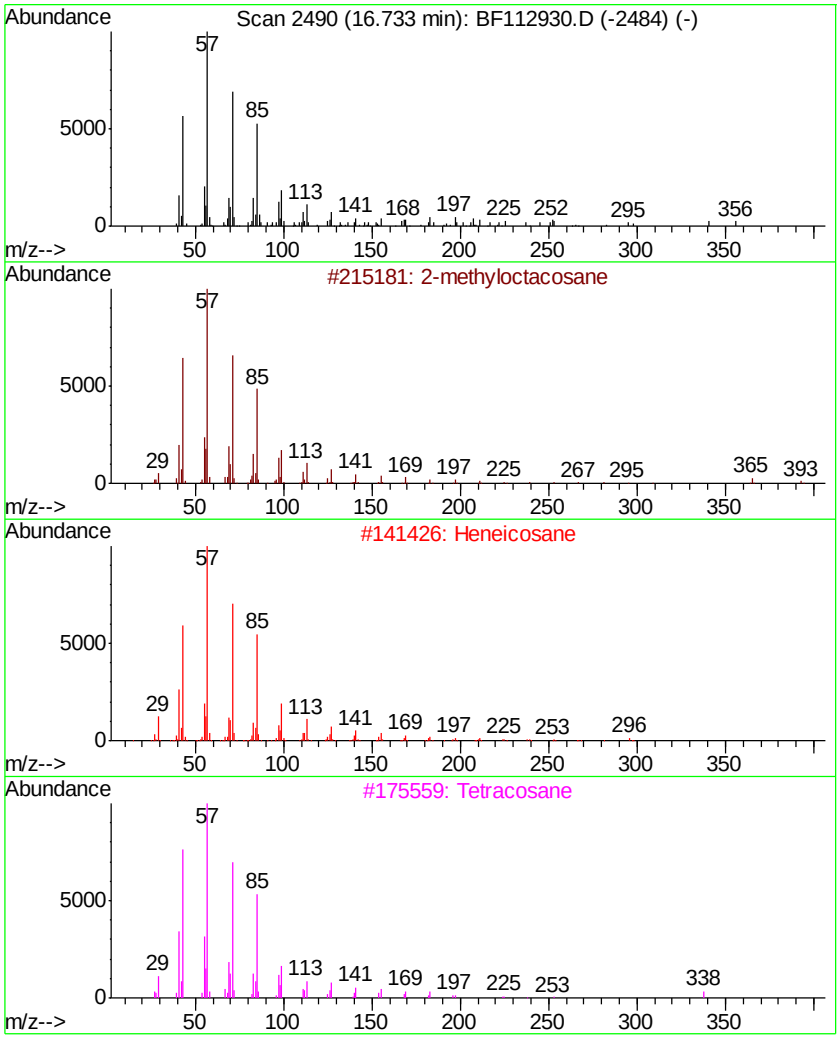
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

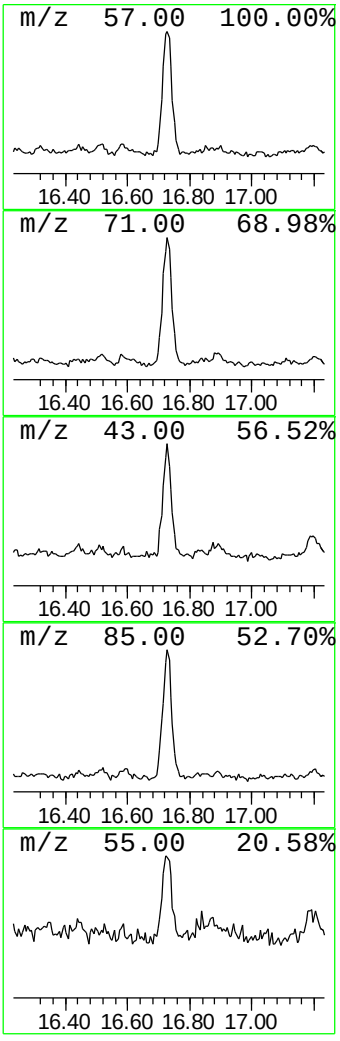
**********

Peak Number 15 2-methyloctacosane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.73 | 2.45 ng | 189978 | Perylene-d12 | 15.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |
| 5 | Tridecane, 3-methyl- | 198 | C14H30 | 006418-41-3 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030719\
Data File : BF112930.D
Acq On : 7 Mar 2019 19:17
Operator : JU/SJ
Sample : K1757-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-6CD-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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 |
| unknown6.50 | 6.50 | 67.8 | ng | 3966460 | 1 | 6.73 | 1169920 | 20.0 |
| n-Hexadecanoic acid | 11.77 | 9.3 | ng | 879801 | 4 | 11.23 | 1899100 | 20.0 |
| 18-Norabietane | 11.89 | 3.9 | ng | 370986 | 4 | 11.23 | 1899100 | 20.0 |
| unknown11.99 | 11.99 | 8.1 | ng | 764741 | 4 | 11.23 | 1899100 | 20.0 |
| Octadecanoic acid | 12.56 | 4.2 | ng | 425002 | 5 | 13.86 | 2008680 | 20.0 |
| Retene | 12.95 | 5.3 | ng | 529903 | 5 | 13.86 | 2008680 | 20.0 |
| Sulfurous acid, o... | 13.73 | 6.2 | ng | 617478 | 5 | 13.86 | 2008680 | 20.0 |
| Eicosane | 14.04 | 4.5 | ng | 456464 | 5 | 13.86 | 2008680 | 20.0 |
| Heneicosane | 14.34 | 8.2 | ng | 824732 | 5 | 13.86 | 2008680 | 20.0 |
| Hexacosane | 14.64 | 14.2 | ng | 1096620 | 6 | 15.26 | 1548050 | 20.0 |
| Hexadecane, 3-met... | 14.96 | 14.4 | ng | 1117680 | 6 | 15.26 | 1548050 | 20.0 |
| Eicosane, 10-methyl- | 15.72 | 11.4 | ng | 881192 | 6 | 15.26 | 1548050 | 20.0 |
| 2-methyloctacosane | 16.73 | 2.5 | ng | 189978 | 6 | 15.26 | 1548050 | 20.0 |