LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099414.D
Acq On : 13 Oct 2017 00:15
Operator : SJ/JU
Sample : I5729-12 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 6E-(1-2)

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:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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 | 5.063 | 503 | 506 | 522 | rVB | 71409 | 75668 | 5.98% | 0.493% |
| 2 | 5.469 | 571 | 575 | 595 | rVB | 470306 | 477260 | 37.74% | 3.106% |
| 3 | 6.481 | 743 | 747 | 762 | rVB | 499598 | 489258 | 38.68% | 3.184% |
| 4 | 6.622 | 767 | 771 | 776 | rVV | 581462 | 521531 | 41.24% | 3.395% |
| 5 | 6.851 | 806 | 810 | 816 | rBV | 801285 | 644048 | 50.92% | 4.192% |
| 6 | 7.004 | 833 | 836 | 840 | rBV | 514613 | 415554 | 32.86% | 2.705% |
| 7 | 7.410 | 902 | 905 | 909 | rBV | 331972 | 289018 | 22.85% | 1.881% |
| 8 | 8.134 | 1024 | 1028 | 1031 | rBV | 1024596 | 803623 | 63.54% | 5.231% |
| 9 | 8.845 | 1146 | 1149 | 1156 | rBB | 31188 | 25560 | 2.02% | 0.166% |
| 10 | 8.945 | 1163 | 1166 | 1169 | rBV | 29081 | 22648 | 1.79% | 0.147% |
| 11 | 9.204 | 1206 | 1210 | 1219 | rBV | 714040 | 566648 | 44.80% | 3.688% |
| 12 | 9.545 | 1265 | 1268 | 1270 | rBV | 17208 | 16157 | 1.28% | 0.105% |
| 13 | 9.598 | 1274 | 1277 | 1285 | rVB | 72980 | 62743 | 4.96% | 0.408% |
| 14 | 9.751 | 1300 | 1303 | 1309 | rBV | 90231 | 77861 | 6.16% | 0.507% |
| 15 | 9.810 | 1309 | 1313 | 1320 | rBV | 20712 | 22404 | 1.77% | 0.146% |
| 16 | 9.886 | 1322 | 1326 | 1330 | rVV | 914575 | 756631 | 59.83% | 4.925% |
| 17 | 10.304 | 1395 | 1397 | 1401 | rVB | 25822 | 20711 | 1.64% | 0.135% |
| 18 | 10.428 | 1416 | 1418 | 1426 | rVB3 | 13302 | 18403 | 1.46% | 0.120% |
| 19 | 10.592 | 1441 | 1446 | 1448 | rBV2 | 16063 | 16926 | 1.34% | 0.110% |
| 20 | 10.675 | 1457 | 1460 | 1466 | rBV | 220348 | 190209 | 15.04% | 1.238% |
| 21 | 10.792 | 1474 | 1480 | 1488 | rBV4 | 39681 | 57247 | 4.53% | 0.373% |
| 22 | 11.110 | 1530 | 1534 | 1536 | rBV2 | 13788 | 17320 | 1.37% | 0.113% |
| 23 | 11.222 | 1550 | 1553 | 1556 | rBV2 | 26906 | 26543 | 2.10% | 0.173% |
| 24 | 11.375 | 1575 | 1579 | 1581 | rBV | 733457 | 607497 | 48.03% | 3.954% |
| 25 | 11.398 | 1581 | 1583 | 1586 | rVV | 188647 | 143301 | 11.33% | 0.933% |
| 26 | 11.451 | 1589 | 1592 | 1595 | rBV | 69069 | 55995 | 4.43% | 0.364% |
| 27 | 11.610 | 1615 | 1619 | 1624 | rBV2 | 14413 | 22444 | 1.77% | 0.146% |
| 28 | 11.875 | 1659 | 1664 | 1666 | rBV | 48100 | 41302 | 3.27% | 0.269% |
| 29 | 11.904 | 1666 | 1669 | 1672 | rVV | 68672 | 57296 | 4.53% | 0.373% |
| 30 | 11.951 | 1674 | 1677 | 1680 | rVV | 24130 | 19896 | 1.57% | 0.129% |
| 31 | 11.986 | 1680 | 1683 | 1685 | rVV2 | 84746 | 85313 | 6.75% | 0.555% |
| 32 | 12.010 | 1685 | 1687 | 1692 | rVB | 35405 | 30166 | 2.39% | 0.196% |
| 33 | 12.169 | 1711 | 1714 | 1717 | rBV2 | 28389 | 23189 | 1.83% | 0.151% |
| 34 | 12.422 | 1752 | 1757 | 1760 | rBV | 42794 | 46733 | 3.70% | 0.304% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099414.D
Acq On : 13 Oct 2017 00:15
Operator : SJ/JU
Sample : I5729-12 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 6E-(1-2)

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:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.516 | 1769 | 1773 | 1777 | rVB2 | 48200 | 50866 | 4.02% | 0.331% |
| 36 | 12.586 | 1781 | 1785 | 1789 | rBV | 871701 | 745069 | 58.91% | 4.850% |
| 37 | 12.680 | 1799 | 1801 | 1804 | rBV | 47724 | 40319 | 3.19% | 0.262% |
| 38 | 12.739 | 1804 | 1811 | 1813 | rVV2 | 24247 | 29886 | 2.36% | 0.195% |
| 39 | 12.798 | 1817 | 1821 | 1822 | rBV | 109991 | 101688 | 8.04% | 0.662% |
| 40 | 12.816 | 1822 | 1824 | 1830 | rVV | 732059 | 643293 | 50.86% | 4.187% |
| 41 | 12.863 | 1830 | 1832 | 1837 | rVB2 | 37324 | 37417 | 2.96% | 0.244% |
| 42 | 12.951 | 1840 | 1847 | 1850 | rBV | 480841 | 431874 | 34.15% | 2.811% |
| 43 | 12.975 | 1850 | 1851 | 1855 | rVB | 38415 | 31496 | 2.49% | 0.205% |
| 44 | 13.027 | 1856 | 1860 | 1865 | rBV3 | 56171 | 98264 | 7.77% | 0.640% |
| 45 | 13.116 | 1872 | 1875 | 1877 | rBV2 | 51725 | 64121 | 5.07% | 0.417% |
| 46 | 13.145 | 1877 | 1880 | 1883 | rVB | 112647 | 108866 | 8.61% | 0.709% |
| 47 | 13.210 | 1888 | 1891 | 1893 | rBV2 | 81916 | 65907 | 5.21% | 0.429% |
| 48 | 13.245 | 1893 | 1897 | 1901 | rVB2 | 83708 | 89927 | 7.11% | 0.585% |
| 49 | 13.304 | 1904 | 1907 | 1909 | rBV3 | 17470 | 17460 | 1.38% | 0.114% |
| 50 | 13.339 | 1910 | 1913 | 1916 | rVB | 40896 | 38086 | 3.01% | 0.248% |
| 51 | 13.374 | 1916 | 1919 | 1922 | rBV3 | 38650 | 45977 | 3.64% | 0.299% |
| 52 | 13.516 | 1940 | 1943 | 1945 | rBV3 | 16642 | 17864 | 1.41% | 0.116% |
| 53 | 13.563 | 1949 | 1951 | 1954 | rVB | 23856 | 23505 | 1.86% | 0.153% |
| 54 | 13.627 | 1958 | 1962 | 1964 | rBV4 | 21533 | 28025 | 2.22% | 0.182% |
| 55 | 13.657 | 1964 | 1967 | 1970 | rBV | 76728 | 73009 | 5.77% | 0.475% |
| 56 | 13.763 | 1980 | 1985 | 1987 | rBV | 114911 | 111521 | 8.82% | 0.726% |
| 57 | 13.792 | 1987 | 1990 | 1992 | rVB | 63772 | 50532 | 4.00% | 0.329% |
| 58 | 13.816 | 1992 | 1994 | 1995 | rBV | 50176 | 40962 | 3.24% | 0.267% |
| 59 | 13.863 | 2000 | 2002 | 2005 | rVV | 89443 | 74137 | 5.86% | 0.483% |
| 60 | 13.933 | 2009 | 2014 | 2019 | rBV | 32346 | 49111 | 3.88% | 0.320% |
| 61 | 14.016 | 2019 | 2028 | 2030 | rVV2 | 880802 | 1264733 | 100.00% | 8.232% |
| 62 | 14.039 | 2030 | 2032 | 2040 | rVV | 444092 | 431041 | 34.08% | 2.806% |
| 63 | 14.098 | 2040 | 2042 | 2043 | rVV2 | 23075 | 18937 | 1.50% | 0.123% |
| 64 | 14.121 | 2043 | 2046 | 2048 | rVV | 47317 | 45071 | 3.56% | 0.293% |
| 65 | 14.163 | 2050 | 2053 | 2056 | rVV3 | 51561 | 75608 | 5.98% | 0.492% |
| 66 | 14.210 | 2059 | 2061 | 2062 | rVV | 41802 | 36206 | 2.86% | 0.236% |
| 67 | 14.245 | 2062 | 2067 | 2069 | rVV2 | 56538 | 95473 | 7.55% | 0.621% |
| 68 | 14.274 | 2069 | 2072 | 2075 | rVV4 | 31663 | 42930 | 3.39% | 0.279% |
| 69 | 14.327 | 2079 | 2081 | 2084 | rVV2 | 20920 | 27063 | 2.14% | 0.176% |
| 70 | 14.363 | 2084 | 2087 | 2088 | rVV2 | 40328 | 40558 | 3.21% | 0.264% |
| 71 | 14.398 | 2088 | 2093 | 2096 | rVV | 122616 | 164077 | 12.97% | 1.068% |

LSC Area Percent Report

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Acq On : 13 Oct 2017 00:15
Operator : SJ/JU
Sample : I5729-12 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 6E-(1-2)

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:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.433 | 2096 | 2099 | 2102 | rVV2 | 62877 | 80174 | 6.34% | 0.522% |
| 73 | 14.463 | 2102 | 2104 | 2105 | rVV | 37925 | 35285 | 2.79% | 0.230% |
| 74 | 14.498 | 2108 | 2110 | 2112 | rVV | 50261 | 50328 | 3.98% | 0.328% |
| 75 | 14.521 | 2112 | 2114 | 2116 | rVV | 59980 | 63491 | 5.02% | 0.413% |
| 76 | 14.545 | 2116 | 2118 | 2122 | rVV2 | 59878 | 72028 | 5.70% | 0.469% |
| 77 | 14.592 | 2124 | 2126 | 2129 | rVV | 48979 | 54685 | 4.32% | 0.356% |
| 78 | 14.645 | 2133 | 2135 | 2139 | rVB4 | 16524 | 17744 | 1.40% | 0.115% |
| 79 | 14.716 | 2144 | 2147 | 2149 | rBV3 | 26196 | 27245 | 2.15% | 0.177% |
| 80 | 14.898 | 2174 | 2178 | 2184 | rVB2 | 44491 | 62384 | 4.93% | 0.406% |
| 81 | 14.951 | 2185 | 2187 | 2192 | rBV6 | 14460 | 21460 | 1.70% | 0.140% |
| 82 | 15.057 | 2200 | 2205 | 2208 | rBV | 440255 | 631276 | 49.91% | 4.109% |
| 83 | 15.127 | 2215 | 2217 | 2220 | rVB | 19656 | 18703 | 1.48% | 0.122% |
| 84 | 15.163 | 2220 | 2223 | 2227 | rBV | 85058 | 92024 | 7.28% | 0.599% |
| 85 | 15.251 | 2235 | 2238 | 2244 | rBV4 | 26193 | 49998 | 3.95% | 0.325% |
| 86 | 15.363 | 2252 | 2257 | 2263 | rVB | 209492 | 291534 | 23.05% | 1.898% |
| 87 | 15.421 | 2263 | 2267 | 2272 | rVB | 287953 | 354037 | 27.99% | 2.304% |
| 88 | 15.486 | 2273 | 2278 | 2281 | rVV | 422908 | 529324 | 41.85% | 3.445% |
| 89 | 15.516 | 2281 | 2283 | 2290 | rVB2 | 97460 | 128767 | 10.18% | 0.838% |
| 90 | 15.657 | 2303 | 2307 | 2310 | rBV5 | 22454 | 37199 | 2.94% | 0.242% |
| 91 | 15.804 | 2330 | 2332 | 2335 | rVB2 | 15565 | 16577 | 1.31% | 0.108% |
| 92 | 15.910 | 2347 | 2350 | 2356 | rVB4 | 19960 | 36157 | 2.86% | 0.235% |
| 93 | 16.051 | 2370 | 2374 | 2379 | rVB2 | 17402 | 25217 | 1.99% | 0.164% |
| 94 | 16.410 | 2431 | 2435 | 2443 | rVB8 | 21345 | 38914 | 3.08% | 0.253% |
| 95 | 16.768 | 2491 | 2496 | 2500 | rBV3 | 16226 | 29875 | 2.36% | 0.194% |
| 96 | 16.962 | 2523 | 2529 | 2539 | rBV2 | 116034 | 245425 | 19.41% | 1.597% |
| 97 | 17.145 | 2555 | 2560 | 2564 | rBV2 | 17565 | 32293 | 2.55% | 0.210% |
| 98 | 17.198 | 2564 | 2569 | 2575 | rVB4 | 16367 | 31981 | 2.53% | 0.208% |
| 99 | 17.415 | 2600 | 2606 | 2617 | rVB2 | 71127 | 157605 | 12.46% | 1.026% |
| 100 | 17.662 | 2643 | 2648 | 2650 | rBV5 | 19036 | 34026 | 2.69% | 0.221% |

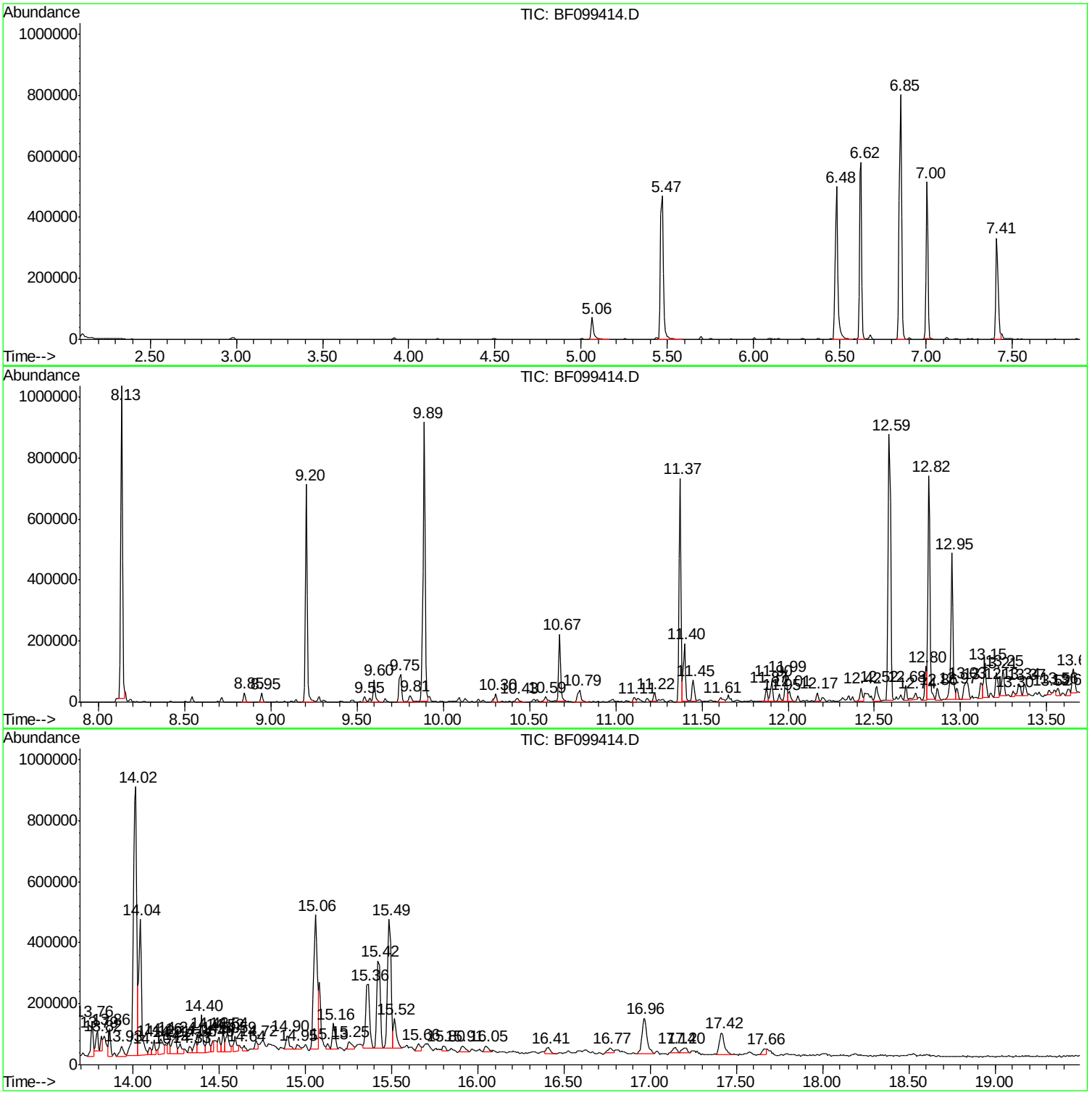
Sum of corrected areas: 15363738

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099414.D
Acq On : 13 Oct 2017 00:15
Operator : SJ/JU
Sample : I5729-12 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
6E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099414.D
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Operator : SJ/JU
Sample : I5729-12 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 6E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

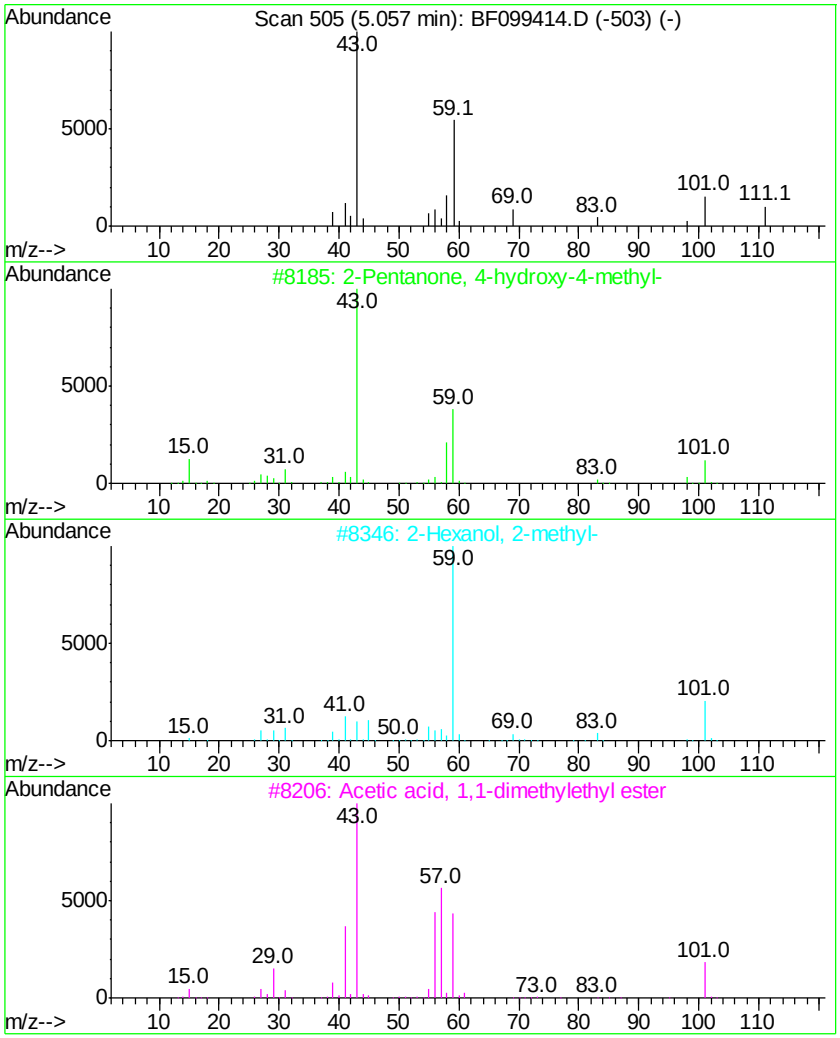
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

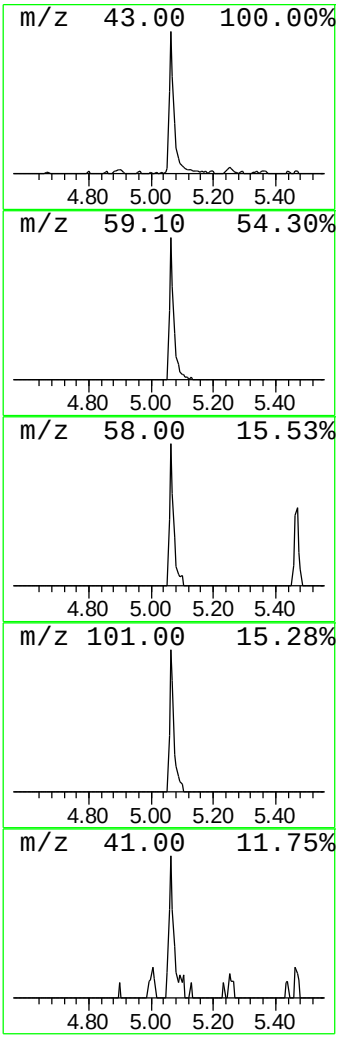
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.06 | 2.35 ng | 75668 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 50 |
| 3 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38 |
| 4 | 3-Hydroxy-3-methyl-2-butanone | 102 | C5H10O2 | 000115-22-0 | 17 |
| 5 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



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Data File : BF099414.D
Acq On : 13 Oct 2017 00:15
Operator : SJ/JU
Sample : I5729-12 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 6E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

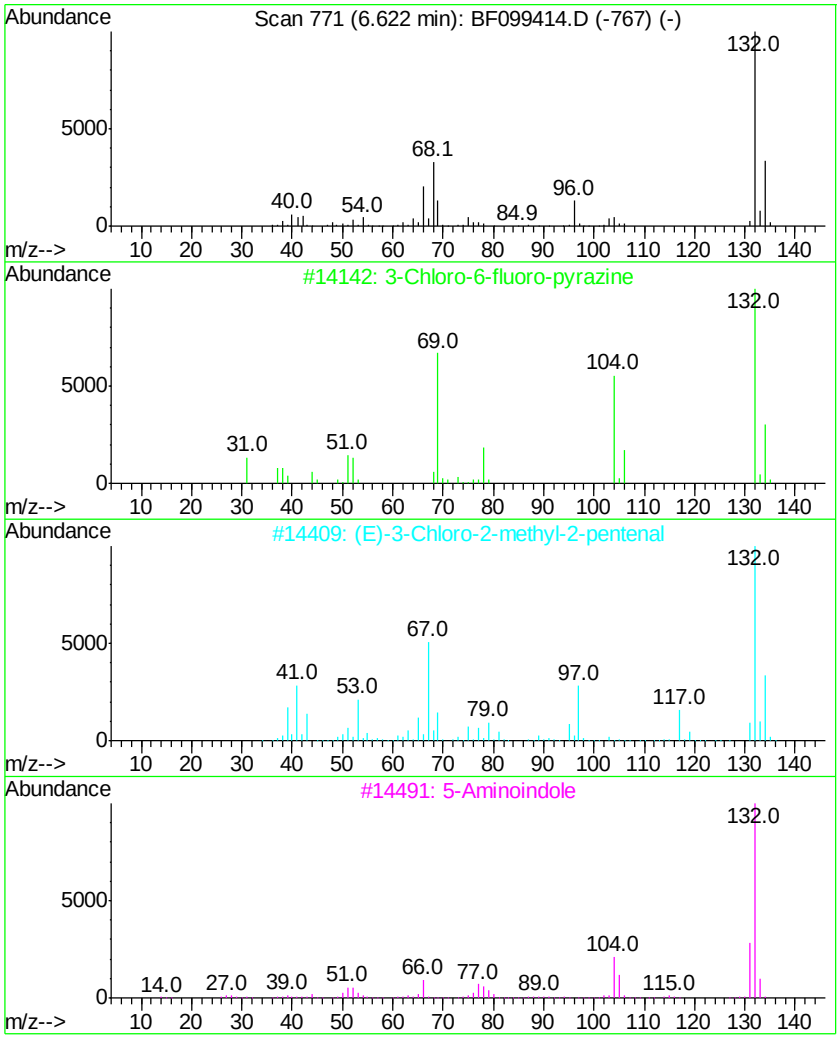
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

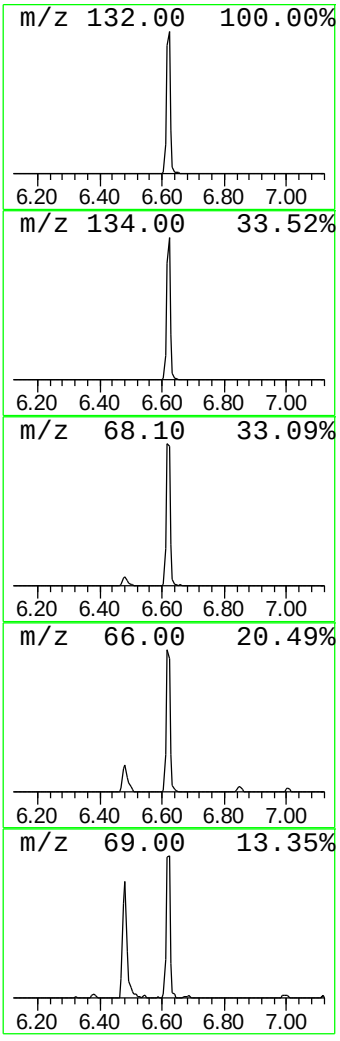
**********

Peak Number 2 unknown6.62 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.62 | 16.20 ng | 521531 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 35 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099414.D
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Operator : SJ/JU
Sample : I5729-12 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 6E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

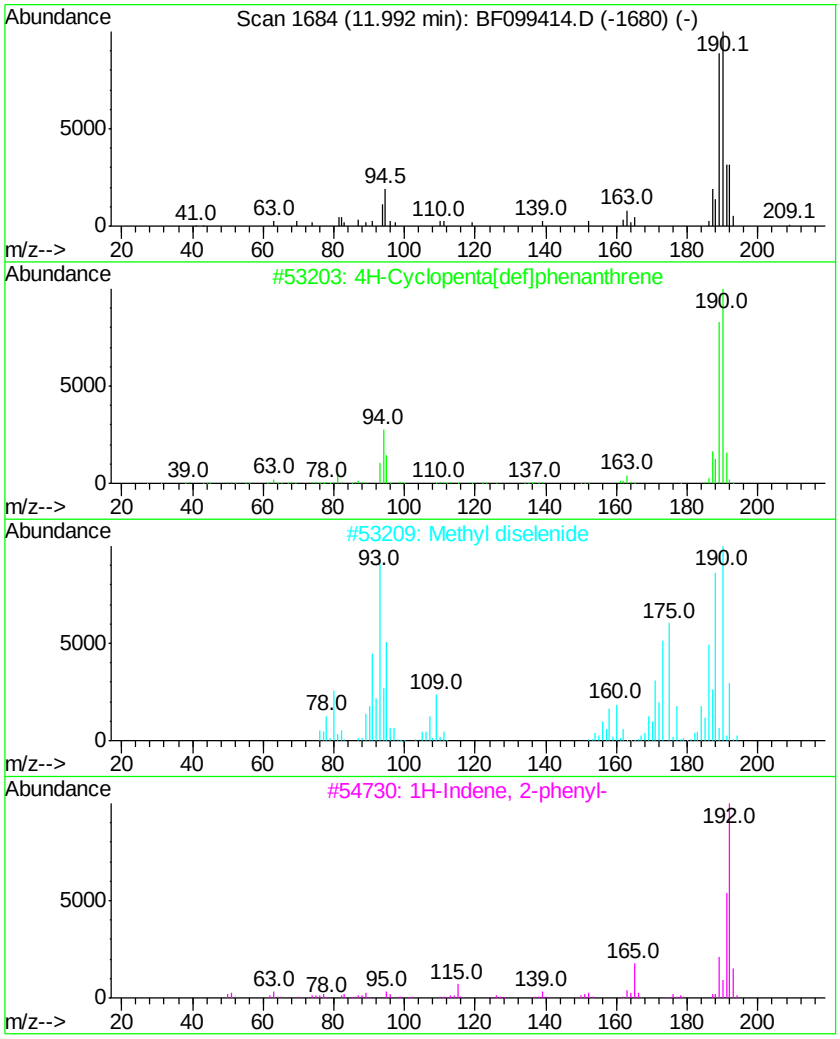
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

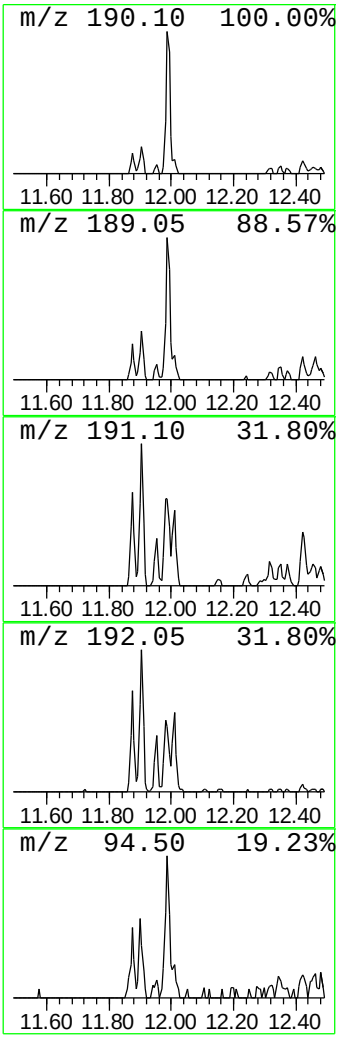
**********

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.99 | 2.81 ng | 85313 | Phenanthrene-d10 | 11.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 76 |
| 2 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 38 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 18 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 18 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 18 |



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**Instrument :** BNA_F
**ClientSampleId :** 6E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

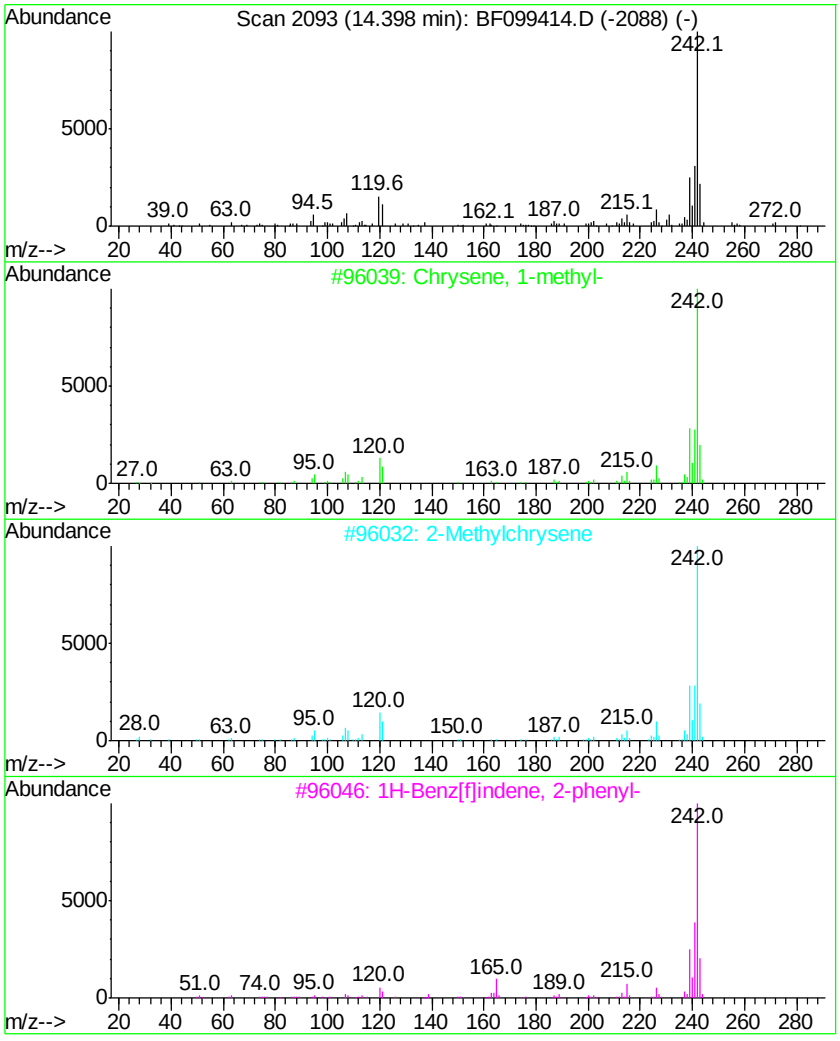
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

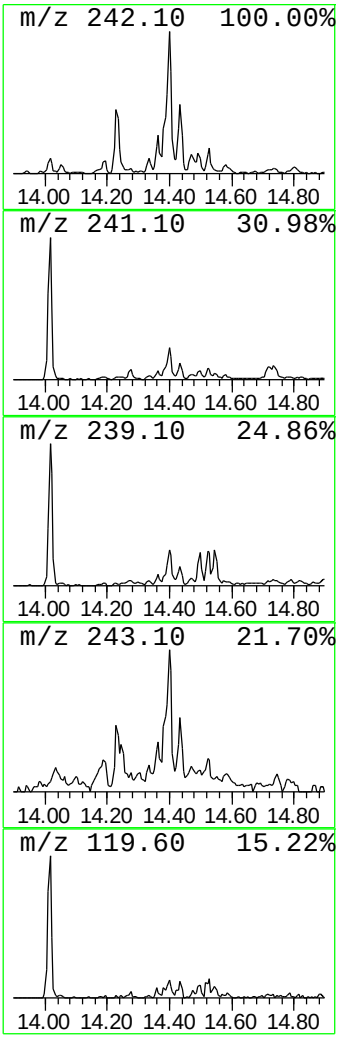
**********

Peak Number 5 Chrysene, 1-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.40 | 2.59 ng | 164077 | Chrysene-d12 | 14.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chrysene, 1-methyl- | 242 | C19H14 | 003351-28-8 | 98 |
| 2 | 2-Methylchrysene | 242 | C19H14 | 003351-32-4 | 96 |
| 3 | 1H-Benz[f]indene, 2-phenyl- | 242 | C19H14 | 1000305-22-4 | 95 |
| 4 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 95 |
| 5 | Triphenylene, 2-methyl- | 242 | C19H14 | 001705-84-6 | 94 |



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Data File : BF099414.D
Acq On : 13 Oct 2017 00:15
Operator : SJ/JU
Sample : I5729-12 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 6E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

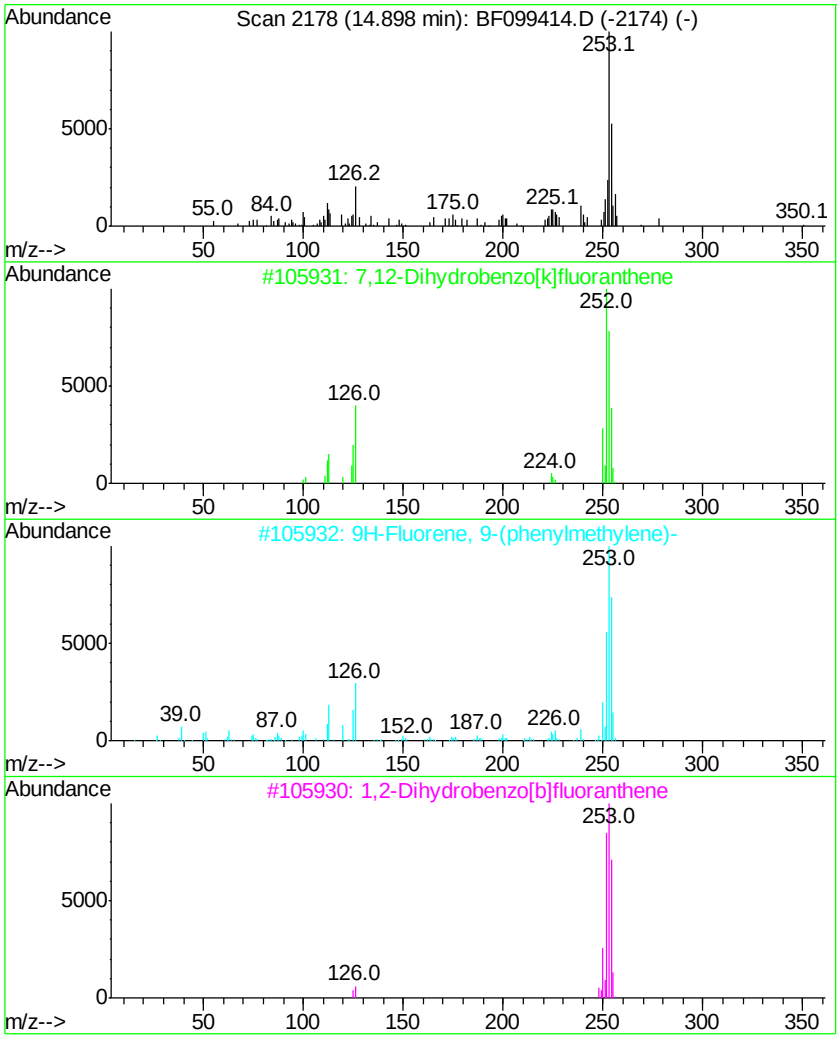
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

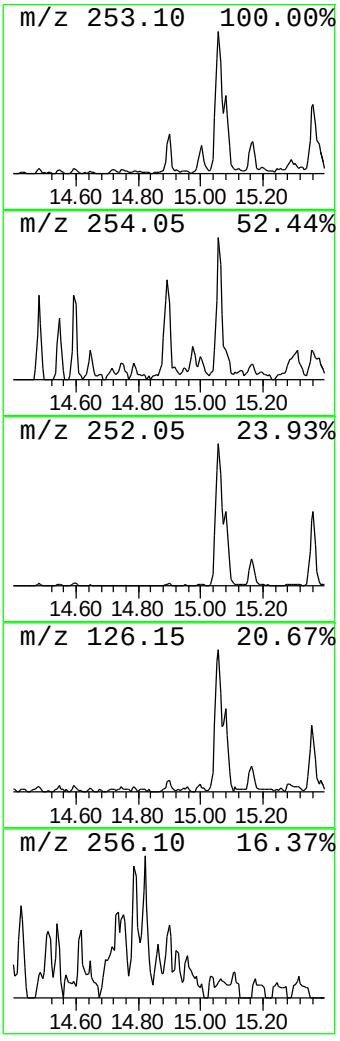
**********

Peak Number 6 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.90 | 2.36 ng | 62384 | Perylene-d12 | 15.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7,12-Dihydrobenzo[k]fluoranthene | 254 | C20H14 | 1000080-17-7 | 81 |
| 2 | 9H-Fluorene, 9-(phenylmethylene)- | 254 | C20H14 | 001836-87-9 | 76 |
| 3 | 1,2-Dihydrobenzo[b]fluoranthene | 254 | C20H14 | 100516-13-0 | 58 |
| 4 | 4,6'-Biazulenyl | 254 | C20H14 | 094154-49-1 | 52 |
| 5 | 4,5-Dihydrobenzo[e]pyrene | 254 | C20H14 | 095676-42-9 | 50 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099414.D
Acq On : 13 Oct 2017 00:15
Operator : SJ/JU
Sample : I5729-12 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 6E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

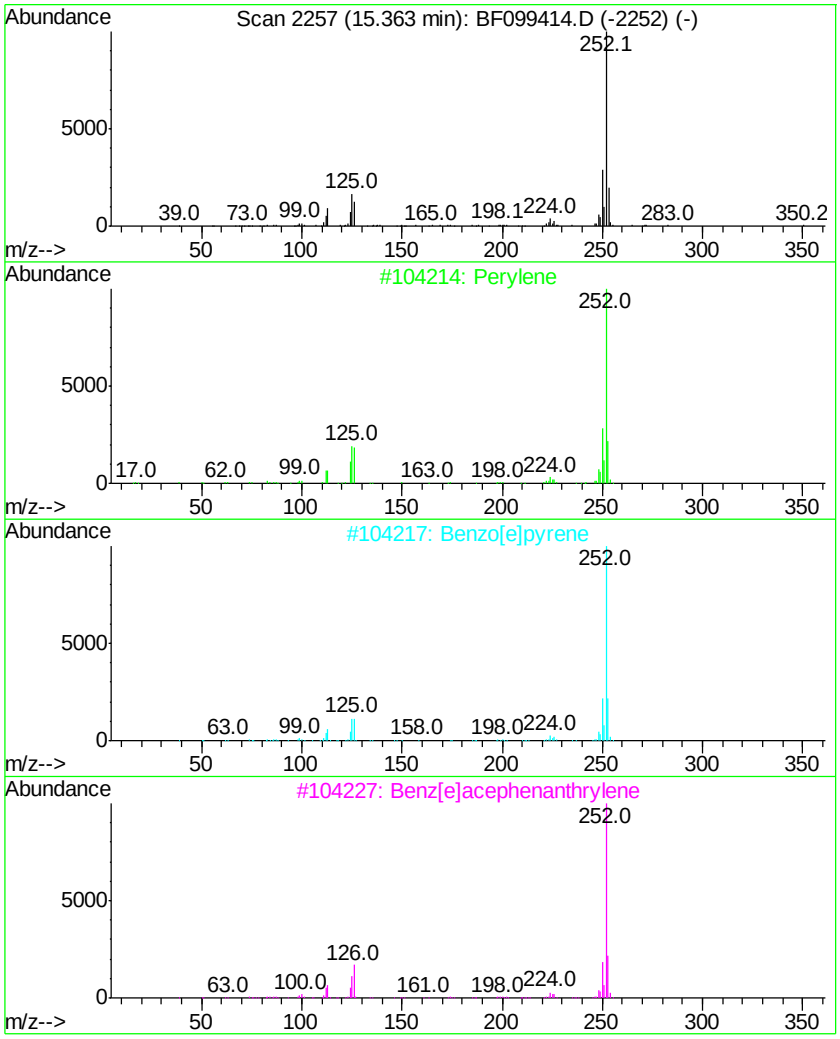
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

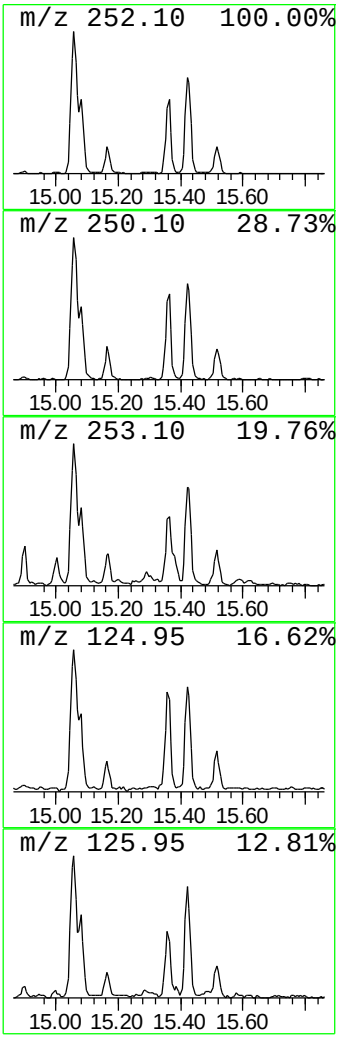
**********

Peak Number 8 Perylene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.36 | 11.02 ng | 291534 | Perylene-d12 | 15.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Perylene | 252 | C20H12 | 000198-55-0 | 99 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 3 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 98 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 90 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF101217\
Data File : BF099414.D
Acq On : 13 Oct 2017 00:15
Operator : SJ/JU
Sample : I5729-12 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 6E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.06 | 2.4 | ng | 75668 | 1 | 6.85 | 644048 | 20.0 |
| unknown6.62 | 6.62 | 16.2 | ng | 521531 | 1 | 6.85 | 644048 | 20.0 |
| 4H-Cyclopenta[def... | 11.99 | 2.8 | ng | 85313 | 4 | 11.37 | 607497 | 20.0 |
| Chrysene, 1-methyl- | 14.40 | 2.6 | ng | 164077 | 5 | 14.02 | 1264730 | 20.0 |
| 7,12-Dihydrobenzo... | 14.90 | 2.4 | ng | 62384 | 6 | 15.49 | 529324 | 20.0 |
| Perylene | 15.36 | 11.0 | ng | 291534 | 6 | 15.49 | 529324 | 20.0 |