LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-1

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122127.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.916 | 478 | 481 | 496 | rBV | 82888 | 121516 | 5.07% | 0.447% |
| 2 | 5.340 | 550 | 553 | 583 | rBV | 1724670 | 1968879 | 82.12% | 7.238% |
| 3 | 6.369 | 724 | 728 | 752 | rBV | 1900135 | 2014323 | 84.01% | 7.405% |
| 4 | 6.710 | 783 | 786 | 796 | rBV | 633432 | 609939 | 25.44% | 2.242% |
| 5 | 7.139 | 856 | 859 | 864 | rBV | 26231 | 28005 | 1.17% | 0.103% |
| 6 | 7.281 | 880 | 883 | 904 | rVB | 1412001 | 1416230 | 59.07% | 5.206% |
| 7 | 7.998 | 1001 | 1005 | 1007 | rBV | 893656 | 791774 | 33.02% | 2.911% |
| 8 | 8.016 | 1007 | 1008 | 1025 | rVB | 163430 | 145532 | 6.07% | 0.535% |
| 9 | 8.710 | 1123 | 1126 | 1134 | rBV | 74536 | 64217 | 2.68% | 0.236% |
| 10 | 8.810 | 1139 | 1143 | 1149 | rBB | 51366 | 45441 | 1.90% | 0.167% |
| 11 | 9.069 | 1183 | 1187 | 1191 | rBV | 2745768 | 2397709 | 100.00% | 8.814% |
| 12 | 9.175 | 1202 | 1205 | 1211 | rVB2 | 29178 | 37543 | 1.57% | 0.138% |
| 13 | 9.375 | 1236 | 1239 | 1241 | rBV | 74356 | 58834 | 2.45% | 0.216% |
| 14 | 9.469 | 1252 | 1255 | 1258 | rBV | 247817 | 191050 | 7.97% | 0.702% |
| 15 | 9.745 | 1293 | 1302 | 1305 | rBV | 1053586 | 905658 | 37.77% | 3.329% |
| 16 | 9.780 | 1305 | 1308 | 1315 | rVB | 313960 | 296861 | 12.38% | 1.091% |
| 17 | 9.951 | 1334 | 1337 | 1342 | rBV | 141469 | 140836 | 5.87% | 0.518% |
| 18 | 10.292 | 1392 | 1395 | 1401 | rBV | 218942 | 210863 | 8.79% | 0.775% |
| 19 | 10.363 | 1401 | 1407 | 1408 | rBV | 22051 | 30753 | 1.28% | 0.113% |
| 20 | 10.410 | 1413 | 1415 | 1420 | rVV3 | 39401 | 57077 | 2.38% | 0.210% |
| 21 | 10.451 | 1420 | 1422 | 1426 | rVB | 38857 | 32130 | 1.34% | 0.118% |
| 22 | 10.539 | 1433 | 1437 | 1443 | rBV | 1362978 | 1186056 | 49.47% | 4.360% |
| 23 | 10.845 | 1482 | 1489 | 1492 | rBV5 | 36446 | 51683 | 2.16% | 0.190% |
| 24 | 11.051 | 1521 | 1524 | 1527 | rVB | 53167 | 40760 | 1.70% | 0.150% |
| 25 | 11.092 | 1527 | 1531 | 1534 | rBV3 | 44095 | 48926 | 2.04% | 0.180% |
| 26 | 11.127 | 1534 | 1537 | 1540 | rBV | 71161 | 62495 | 2.61% | 0.230% |
| 27 | 11.233 | 1551 | 1555 | 1557 | rBV | 1023243 | 893831 | 37.28% | 3.286% |
| 28 | 11.257 | 1557 | 1559 | 1563 | rVV | 1576971 | 1237746 | 51.62% | 4.550% |
| 29 | 11.310 | 1563 | 1568 | 1572 | rVV | 348835 | 292642 | 12.21% | 1.076% |
| 30 | 11.474 | 1592 | 1596 | 1602 | rBV | 148982 | 155398 | 6.48% | 0.571% |
| 31 | 11.733 | 1637 | 1640 | 1643 | rBV | 118163 | 93334 | 3.89% | 0.343% |
| 32 | 11.763 | 1643 | 1645 | 1651 | rVV | 170872 | 154244 | 6.43% | 0.567% |
| 33 | 11.810 | 1651 | 1653 | 1656 | rVV | 54890 | 48726 | 2.03% | 0.179% |
| 34 | 11.845 | 1656 | 1659 | 1662 | rVV | 217974 | 221124 | 9.22% | 0.813% |
| 35 | 11.869 | 1662 | 1663 | 1668 | rVB | 73996 | 49355 | 2.06% | 0.181% |
| 36 | 12.027 | 1687 | 1690 | 1694 | rVB | 94399 | 78201 | 3.26% | 0.287% |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-1

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.068 | 1694 | 1697 | 1701 | rBV | 71624 | 75533 | 3.15% | 0.278% |
| 38 | 12.286 | 1730 | 1734 | 1736 | rBV | 42325 | 45260 | 1.89% | 0.166% |
| 39 | 12.321 | 1736 | 1740 | 1742 | rVV2 | 37095 | 46065 | 1.92% | 0.169% |
| 40 | 12.380 | 1746 | 1750 | 1753 | rVV2 | 42582 | 44838 | 1.87% | 0.165% |
| 41 | 12.445 | 1757 | 1761 | 1767 | rBV | 1350011 | 1252596 | 52.24% | 4.605% |
| 42 | 12.598 | 1784 | 1787 | 1790 | rVB | 52180 | 42996 | 1.79% | 0.158% |
| 43 | 12.674 | 1794 | 1800 | 1806 | rVV2 | 1106450 | 1221308 | 50.94% | 4.490% |
| 44 | 12.727 | 1806 | 1809 | 1813 | rVB2 | 54096 | 56530 | 2.36% | 0.208% |
| 45 | 12.816 | 1818 | 1824 | 1827 | rBV | 2338863 | 2097183 | 87.47% | 7.709% |
| 46 | 12.898 | 1833 | 1838 | 1842 | rBV2 | 59694 | 103629 | 4.32% | 0.381% |
| 47 | 12.933 | 1842 | 1844 | 1849 | rVB | 28770 | 27337 | 1.14% | 0.100% |
| 48 | 12.986 | 1849 | 1853 | 1854 | rBV2 | 44890 | 61311 | 2.56% | 0.225% |
| 49 | 13.004 | 1854 | 1856 | 1859 | rVB | 156144 | 133178 | 5.55% | 0.490% |
| 50 | 13.068 | 1864 | 1867 | 1870 | rBV | 133452 | 108130 | 4.51% | 0.397% |
| 51 | 13.110 | 1870 | 1874 | 1876 | rBV2 | 91432 | 120996 | 5.05% | 0.445% |
| 52 | 13.204 | 1886 | 1890 | 1892 | rBV | 43112 | 44460 | 1.85% | 0.163% |
| 53 | 13.239 | 1892 | 1896 | 1899 | rBV3 | 157924 | 174494 | 7.28% | 0.641% |
| 54 | 13.274 | 1899 | 1902 | 1905 | rBV4 | 37665 | 49962 | 2.08% | 0.184% |
| 55 | 13.492 | 1936 | 1939 | 1941 | rBV4 | 22989 | 30855 | 1.29% | 0.113% |
| 56 | 13.521 | 1941 | 1944 | 1947 | rVB | 63273 | 58534 | 2.44% | 0.215% |
| 57 | 13.627 | 1957 | 1962 | 1964 | rBV2 | 97302 | 112795 | 4.70% | 0.415% |
| 58 | 13.651 | 1964 | 1966 | 1968 | rVB | 58733 | 43718 | 1.82% | 0.161% |
| 59 | 13.674 | 1968 | 1970 | 1972 | rBV2 | 43908 | 39153 | 1.63% | 0.144% |
| 60 | 13.710 | 1972 | 1976 | 1978 | rBV3 | 224854 | 263166 | 10.98% | 0.967% |
| 61 | 13.792 | 1988 | 1990 | 1995 | rVB | 30418 | 34148 | 1.42% | 0.126% |
| 62 | 13.874 | 1997 | 2004 | 2007 | rBV2 | 911363 | 1315550 | 54.87% | 4.836% |
| 63 | 13.898 | 2007 | 2008 | 2012 | rVB | 429306 | 360783 | 15.05% | 1.326% |
| 64 | 13.980 | 2019 | 2022 | 2026 | rVB | 99702 | 87348 | 3.64% | 0.321% |
| 65 | 14.033 | 2028 | 2031 | 2037 | rVV4 | 47019 | 73514 | 3.07% | 0.270% |
| 66 | 14.080 | 2037 | 2039 | 2043 | rVV2 | 36782 | 56781 | 2.37% | 0.209% |
| 67 | 14.115 | 2043 | 2045 | 2048 | rVB | 42497 | 39110 | 1.63% | 0.144% |
| 68 | 14.262 | 2068 | 2070 | 2073 | rVB | 78454 | 71245 | 2.97% | 0.262% |
| 69 | 14.298 | 2074 | 2076 | 2079 | rVB2 | 38563 | 30880 | 1.29% | 0.114% |
| 70 | 14.386 | 2089 | 2091 | 2093 | rBV | 33372 | 31283 | 1.30% | 0.115% |
| 71 | 14.410 | 2093 | 2095 | 2097 | rVB | 55263 | 44451 | 1.85% | 0.163% |
| 72 | 14.751 | 2151 | 2153 | 2156 | rBV | 42232 | 38658 | 1.61% | 0.142% |
| 73 | 14.898 | 2174 | 2178 | 2181 | rBV | 395811 | 565888 | 23.60% | 2.080% |
| 74 | 15.004 | 2193 | 2196 | 2201 | rVB | 92620 | 97107 | 4.05% | 0.357% |
| 75 | 15.186 | 2224 | 2227 | 2232 | rVB | 239416 | 275177 | 11.48% | 1.012% |
| 76 | 15.251 | 2234 | 2238 | 2243 | rVV | 340334 | 399819 | 16.68% | 1.470% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-1

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 15.304 | 2243 | 2247 | 2251 | rVV | 497523 | 615111 | 25.65% | 2.261% |
| 78 | 15.339 | 2251 | 2253 | 2260 | rVB2 | 81604 | 101478 | 4.23% | 0.373% |
| 79 | 16.709 | 2481 | 2486 | 2494 | rVB | 162108 | 316119 | 13.18% | 1.162% |
| 80 | 17.139 | 2553 | 2559 | 2566 | rBV | 100530 | 214854 | 8.96% | 0.790% |

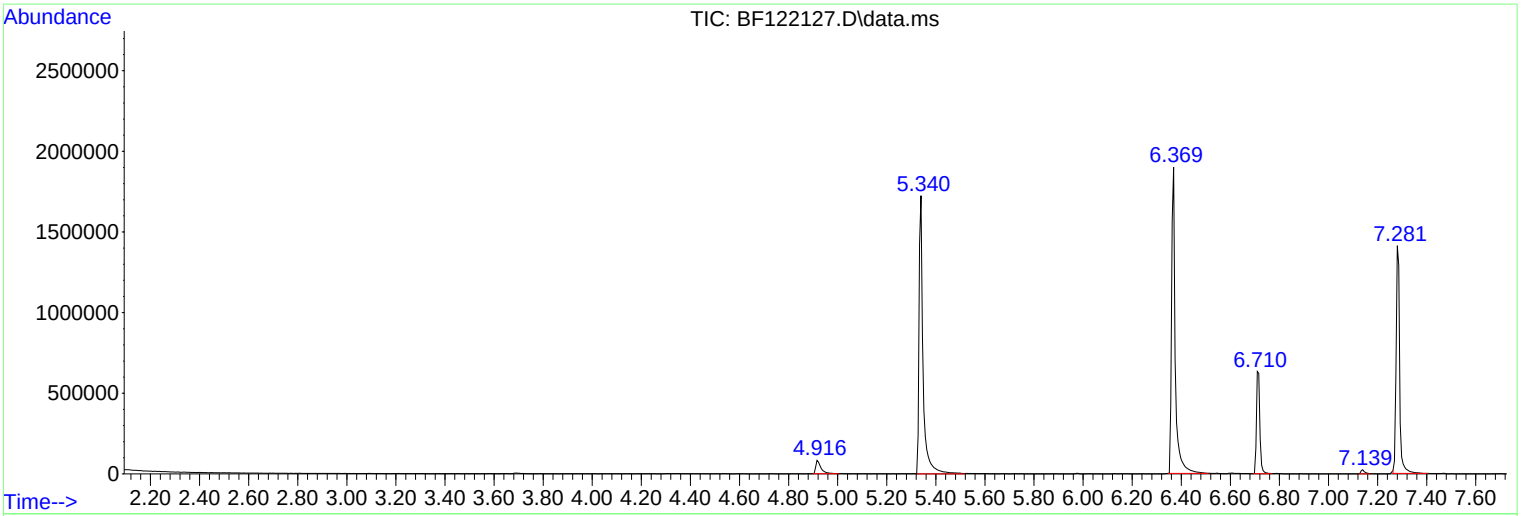
Sum of corrected areas: 27203022

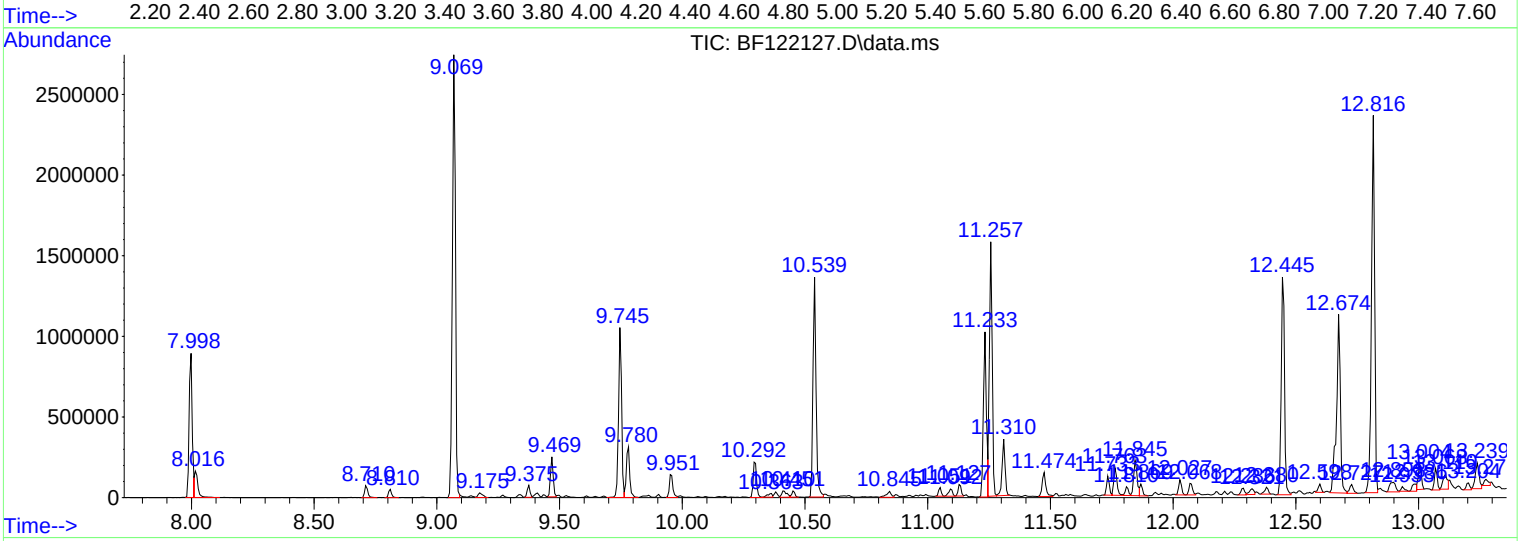
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

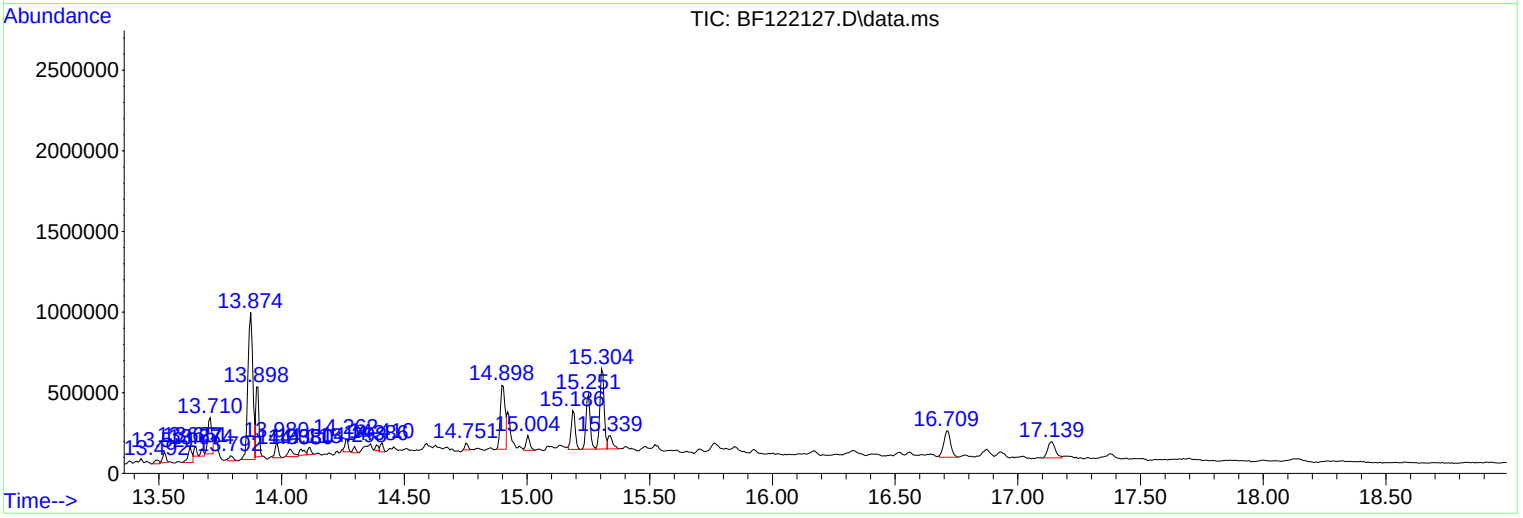
**Instrument :**
BNA_F
**ClientSampleId :**
COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-1

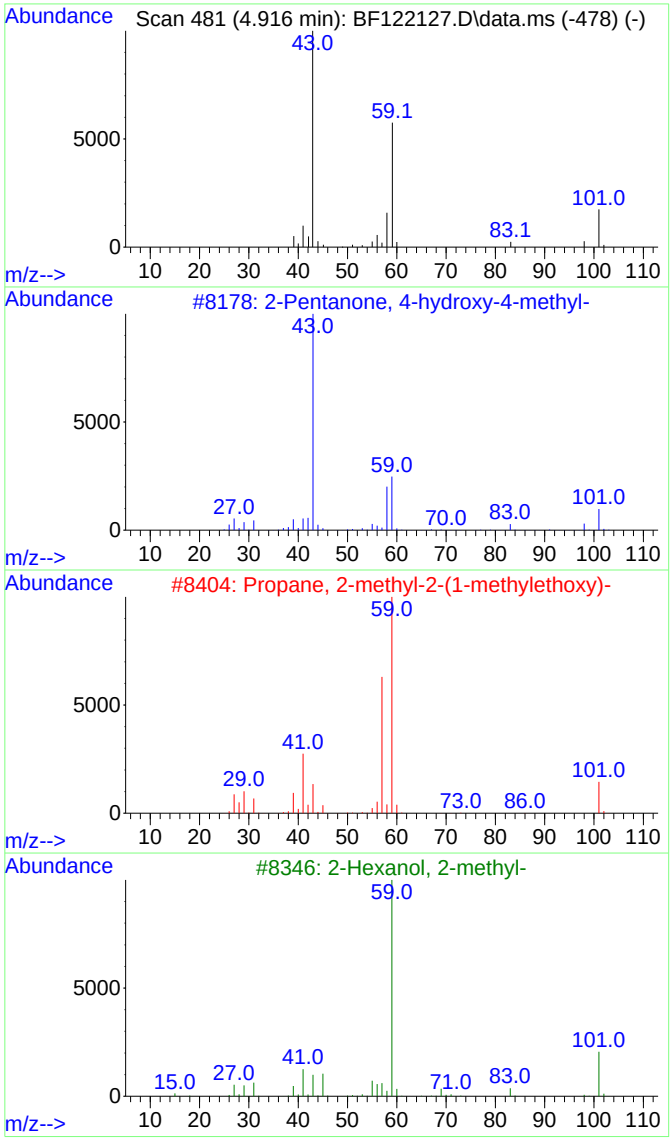
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

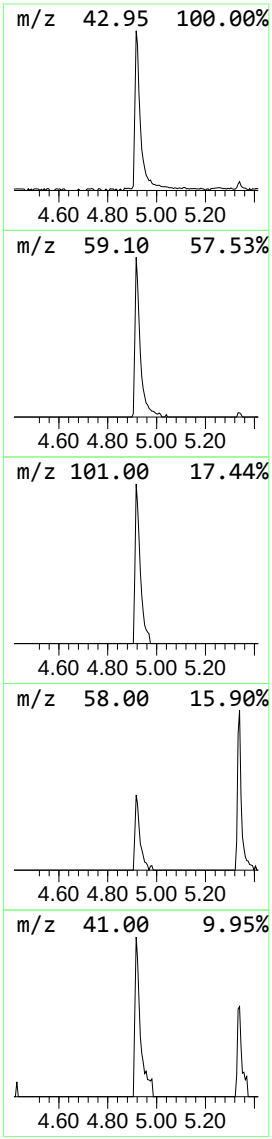
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.916 | 3.98 ng | 121516 | 1,4-Dichlorobenzene-d4 | 6.716 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 36 |
| 3 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 33 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

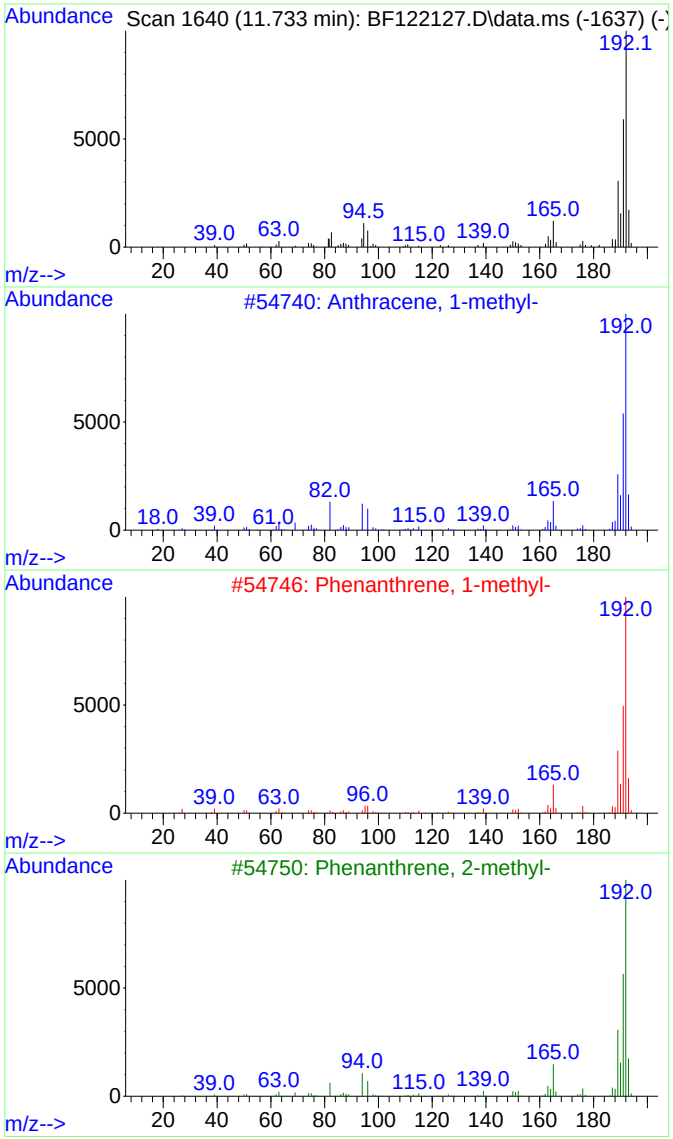
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

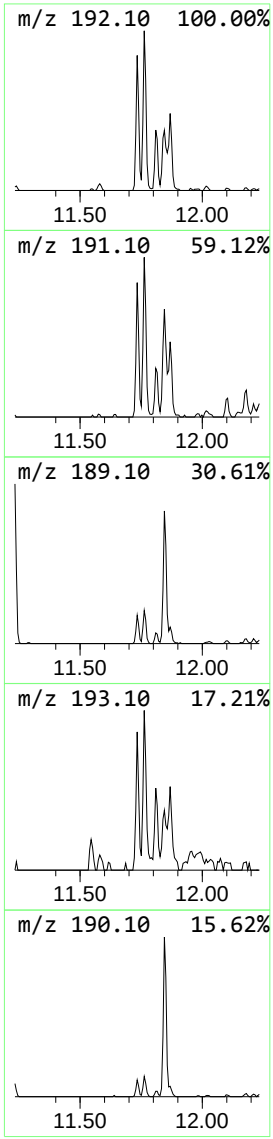
**********

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.733 | 2.09 ng | 93334 | Phenanthrene-d10 | 11.233 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 97 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

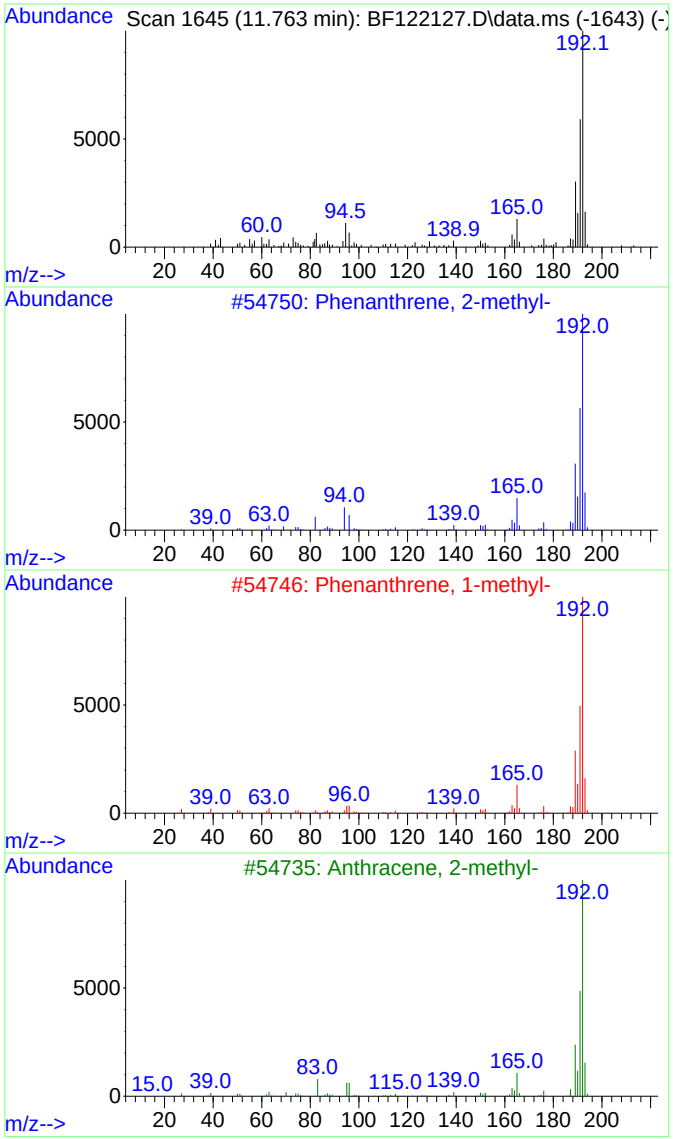
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

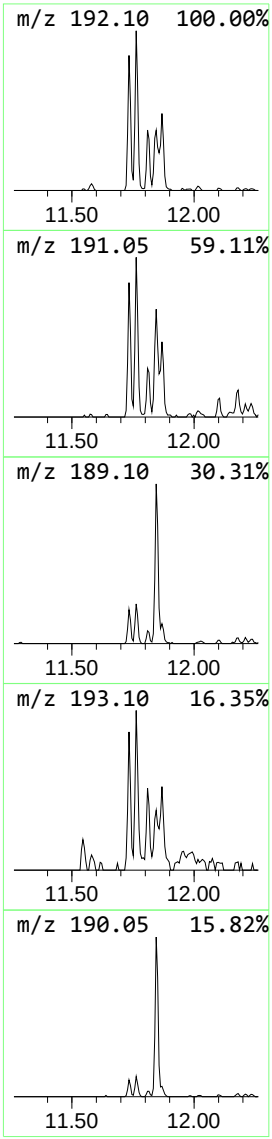
**********

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.763 | 3.45 ng | 154244 | Phenanthrene-d10 | 11.233 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 96 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

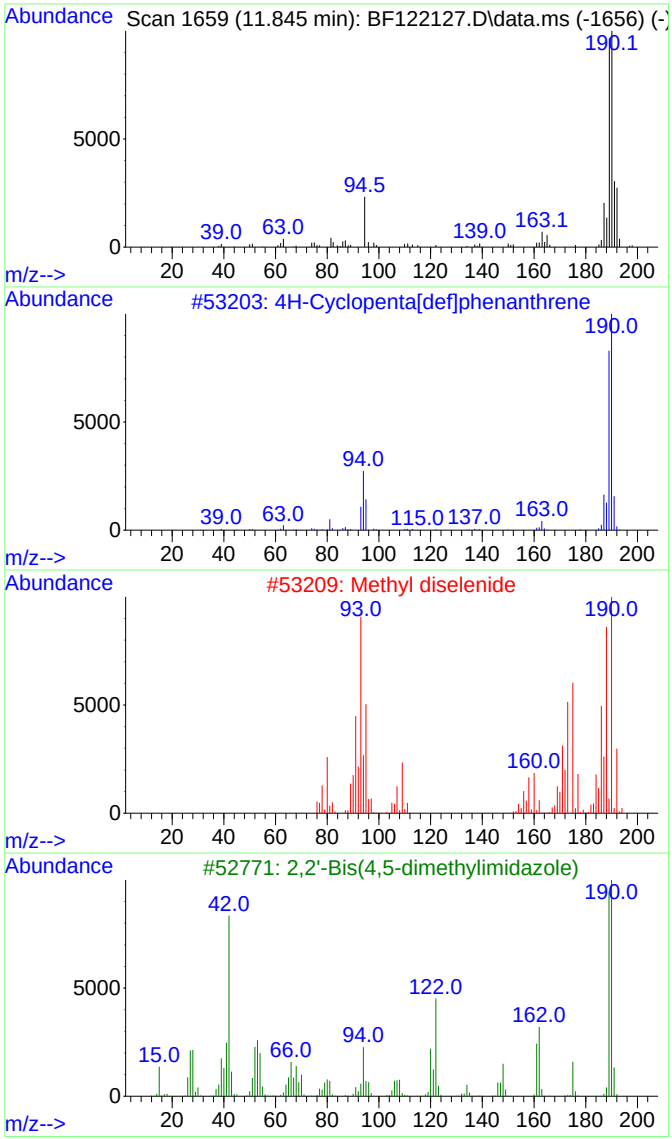
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

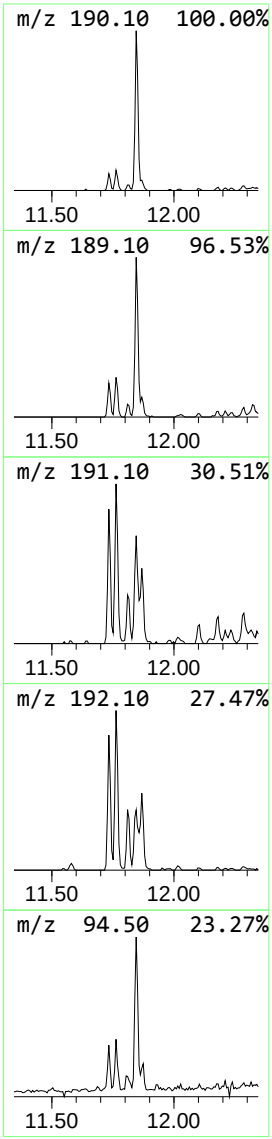
**********

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.845 | 4.95 ng | 221124 | Phenanthrene-d10 | 11.233 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 2 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 49 |
| 3 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |
| 4 | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4 | 004923-55-1 | 25 |
| 5 | 4-Fluoro-2-(trifluoromethyl)benz... | 189 | C8H3F4N | 194853-86-6 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

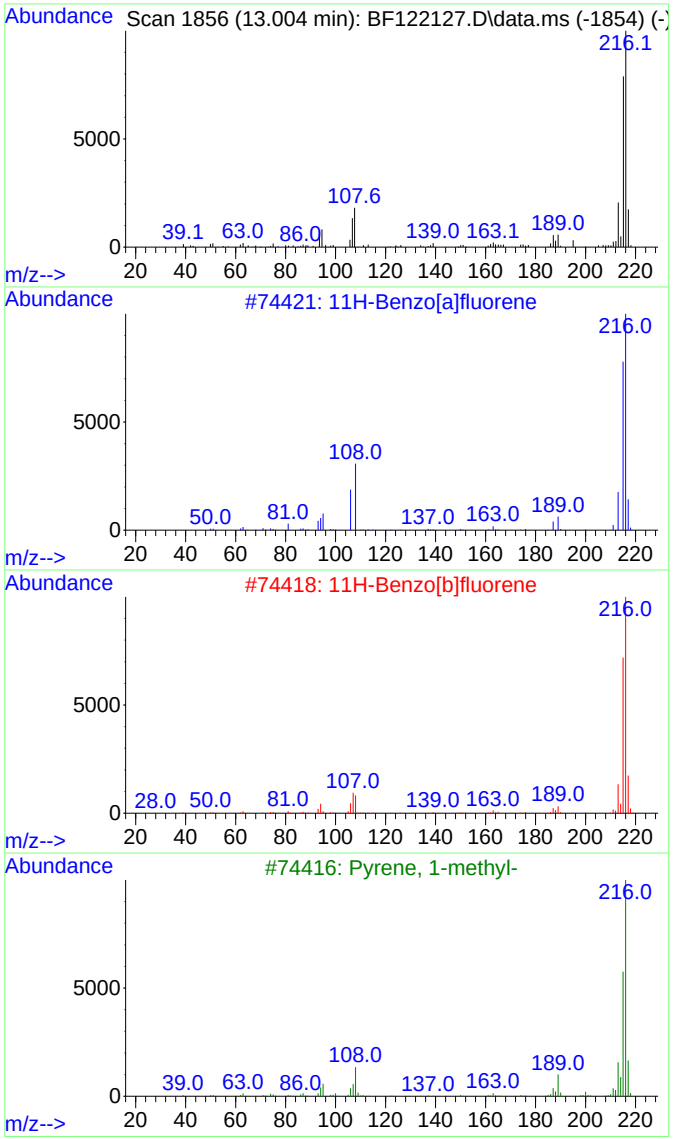
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

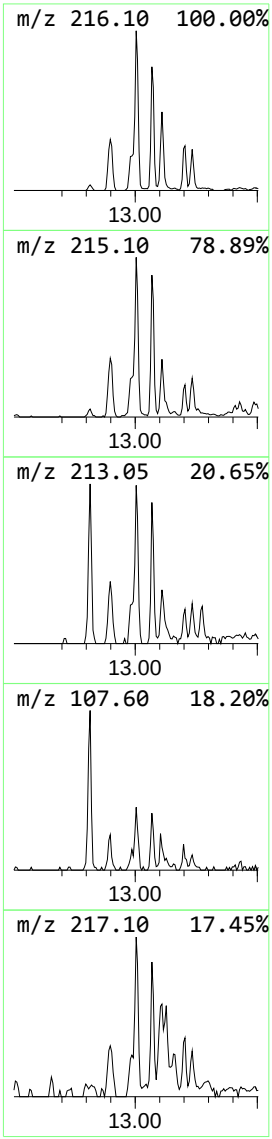
**********

Peak Number 5 11H-Benzo[a]fluorene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.004 | 2.02 ng | 133178 | Chrysene-d12 | 13.874 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 90 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
COMP-1

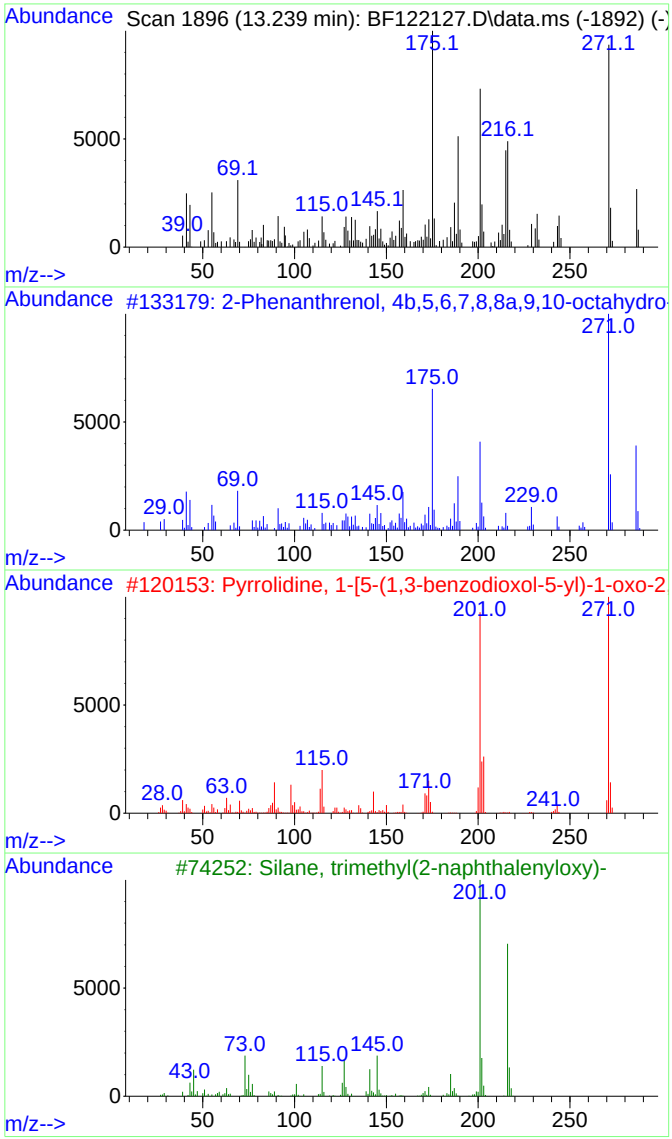
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

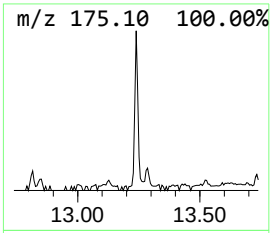
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.239 | 2.65 ng | 174494 | Chrysene-d12 | 13.874 |

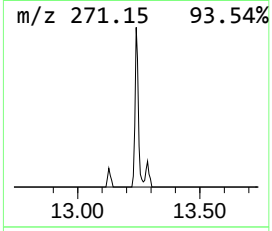
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Phenanthrenol, 4b,5,6,7,8,8a,9... | 286 | C20H30O | 000511-15-9 | 89 |
| 2 | Pyrrolidine, 1-[5-(1,3-benzodiox... | 271 | C16H17NO3 | 025924-78-1 | 42 |
| 3 | Silane, trimethyl(2-naphthalenyl... | 216 | C13H16OSi | 018081-08-8 | 35 |
| 4 | 3-Acetyl-2-methyl-5-phenylthiophene | 216 | C13H12OS | 040932-63-6 | 35 |
| 5 | (-)-Morphinan-6-one, 4-methoxy- | 271 | C17H21NO2 | 1000129-09-1 | 25 |



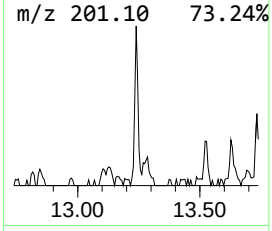


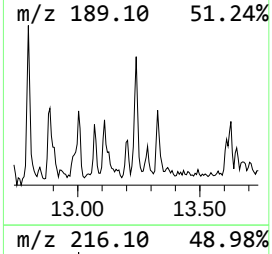






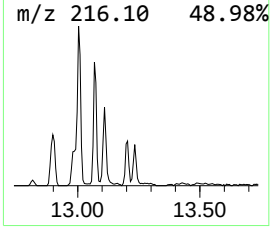










Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-1

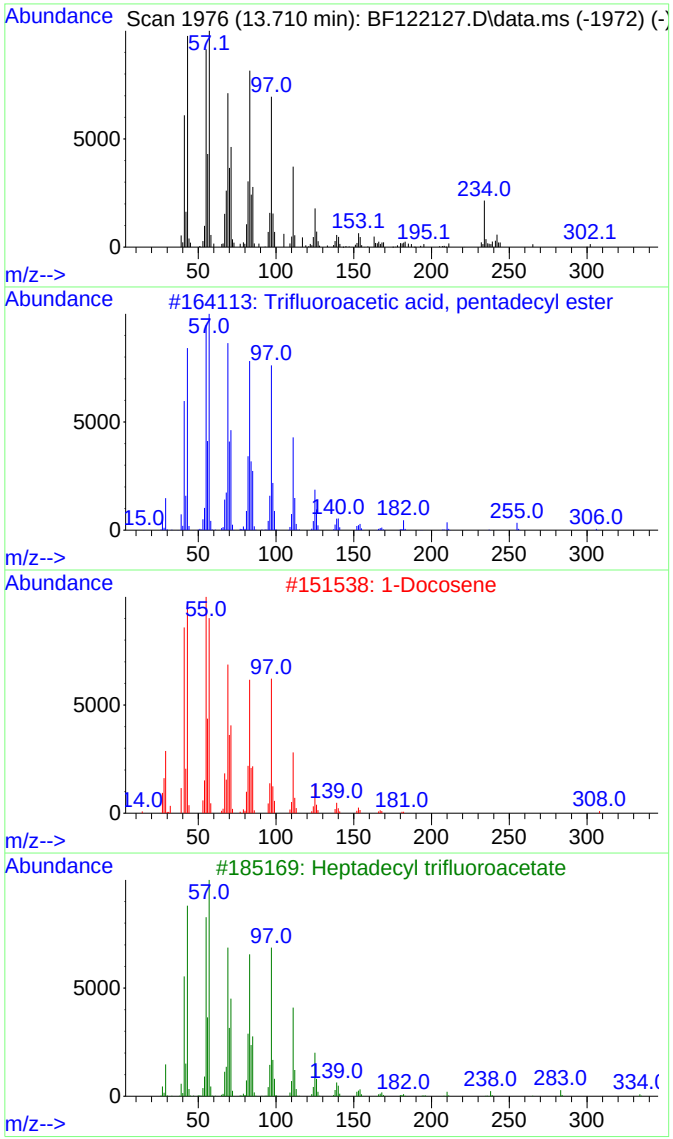
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

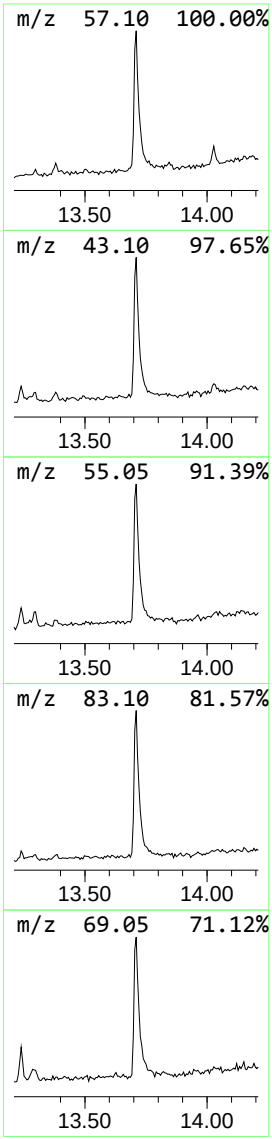
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Trifluoroacetic acid, penta... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.710 | 4.00 ng | 263166 | Chrysene-d12 | 13.874 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 93 |
| 2 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 93 |
| 3 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 93 |
| 4 | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5 | 93 |
| 5 | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

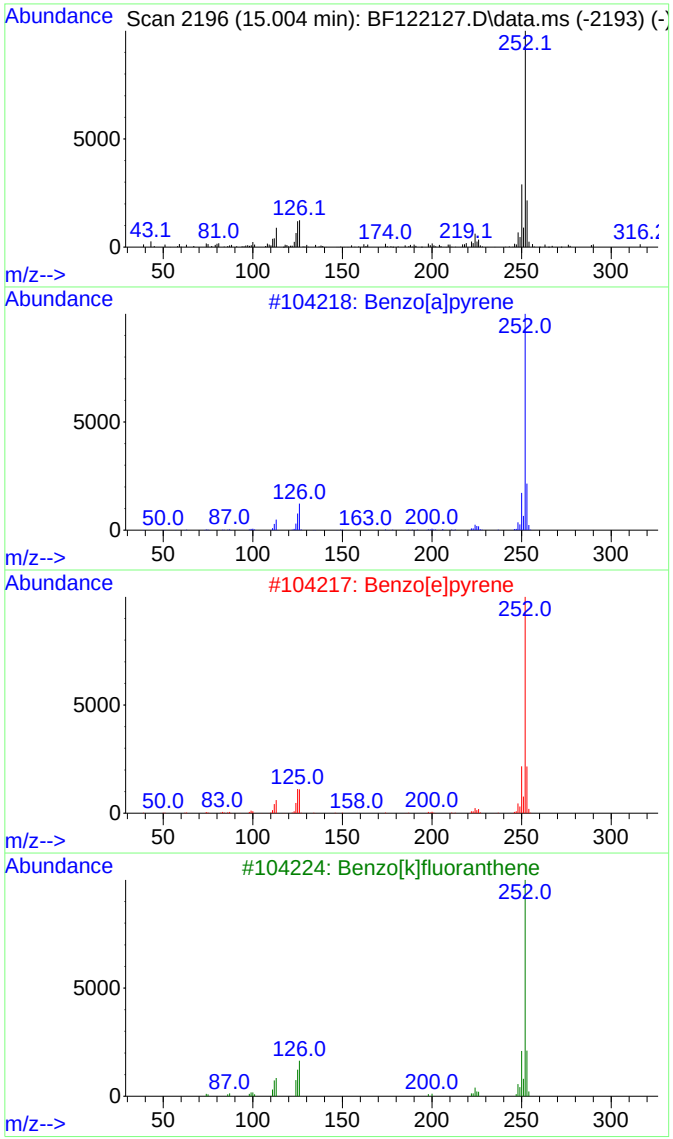
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

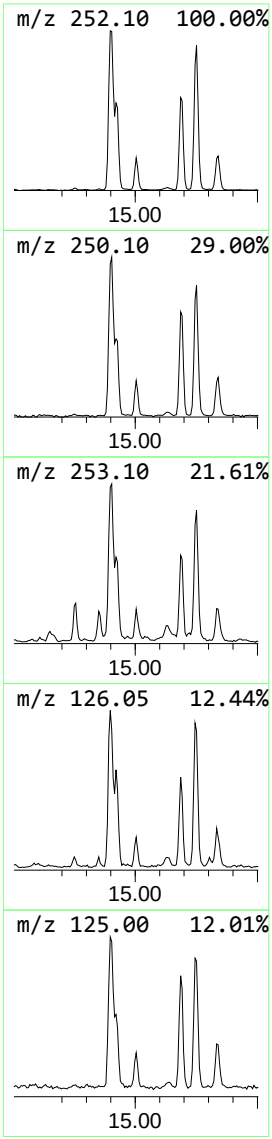
**********

Peak Number 8 Benzo[e]pyrene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.004 | 3.16 ng | 97107 | Perylene-d12 | 15.304 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 96 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 96 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 94 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

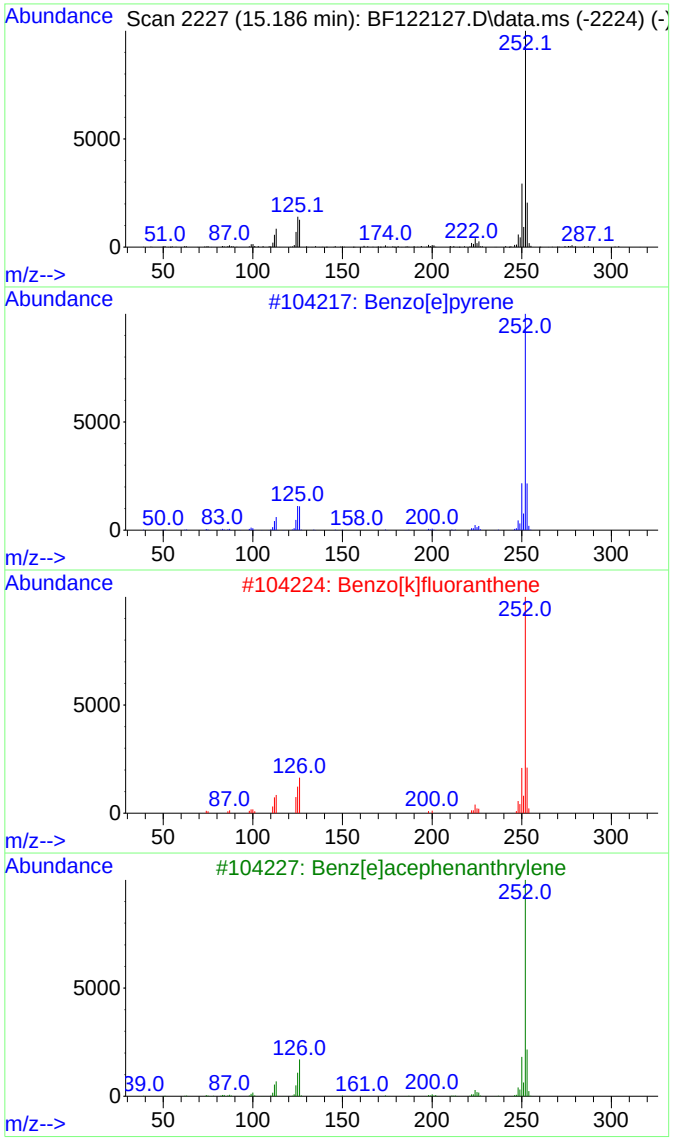
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

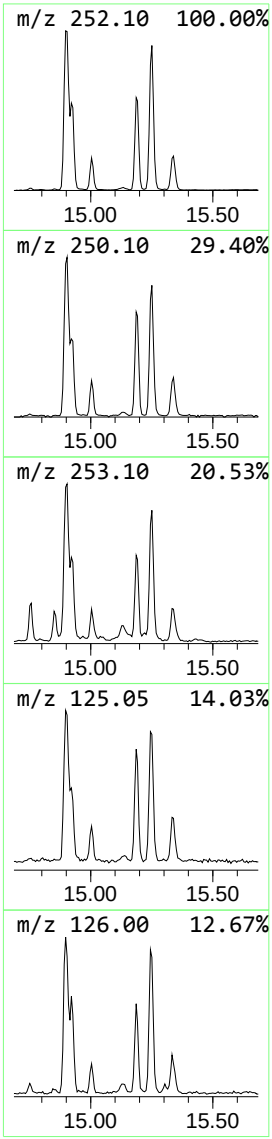
**********

Peak Number 9 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.186 | 8.95 ng | 275177 | Perylene-d12 | 15.304 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 98 |
| 3 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 98 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 95 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122127.D
Acq On : 26 Oct 2020 21:14
Operator : JU/CG
Sample : L4510-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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-... | 4.916 | 4.0 | ng | 121516 | 1 | 6.716 | 609939 | 20.0 |
| Anthracene, 1-m... | 11.733 | 2.1 | ng | 93334 | 4 | 11.233 | 893831 | 20.0 |
| Phenanthrene, 2... | 11.763 | 3.5 | ng | 154244 | 4 | 11.233 | 893831 | 20.0 |
| 4H-Cyclopenta[d... | 11.845 | 5.0 | ng | 221124 | 4 | 11.233 | 893831 | 20.0 |
| 11H-Benzo[a]flu... | 13.004 | 2.0 | ng | 133178 | 5 | 13.874 | 1315550 | 20.0 |
| 2-Phenanthrenol... | 13.239 | 2.6 | ng | 174494 | 5 | 13.874 | 1315550 | 20.0 |
| Trifluoroacetic... | 13.710 | 4.0 | ng | 263166 | 5 | 13.874 | 1315550 | 20.0 |
| Benzo[e]pyrene | 15.004 | 3.2 | ng | 97107 | 6 | 15.304 | 615111 | 20.0 |
| Perylene | 15.186 | 8.9 | ng | 275177 | 6 | 15.304 | 615111 | 20.0 |