LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** VNJ-208

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133083.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 | 477 | 481 | 488 | rVB | 94589 | 127281 | 3.92% | 0.309% |
| 2 | 5.340 | 548 | 553 | 556 | rBV | 3379928 | 3122751 | 96.09% | 7.576% |
| 3 | 6.369 | 723 | 728 | 731 | rBV | 3253069 | 3188558 | 98.12% | 7.736% |
| 4 | 6.734 | 786 | 790 | 793 | rBV | 1331709 | 984958 | 30.31% | 2.390% |
| 5 | 7.298 | 881 | 886 | 889 | rBV | 2369619 | 2005396 | 61.71% | 4.865% |
| 6 | 8.016 | 1005 | 1008 | 1011 | rBV | 1747635 | 1362053 | 41.91% | 3.305% |
| 7 | 9.092 | 1187 | 1191 | 1194 | rBV | 4021091 | 3249673 | 100.00% | 7.884% |
| 8 | 9.627 | 1277 | 1282 | 1288 | rBV | 68296 | 61712 | 1.90% | 0.150% |
| 9 | 9.769 | 1302 | 1306 | 1309 | rBV | 1940965 | 1467907 | 45.17% | 3.561% |
| 10 | 10.310 | 1396 | 1398 | 1405 | rBV2 | 42213 | 43087 | 1.33% | 0.105% |
| 11 | 10.480 | 1423 | 1427 | 1431 | rVB | 228452 | 199543 | 6.14% | 0.484% |
| 12 | 10.557 | 1435 | 1440 | 1443 | rVV | 2185809 | 2016967 | 62.07% | 4.893% |
| 13 | 10.692 | 1458 | 1463 | 1468 | rBV4 | 64688 | 112605 | 3.47% | 0.273% |
| 14 | 10.745 | 1468 | 1472 | 1475 | rBV | 127218 | 155896 | 4.80% | 0.378% |
| 15 | 10.780 | 1475 | 1478 | 1481 | rVV2 | 134896 | 192036 | 5.91% | 0.466% |
| 16 | 10.810 | 1481 | 1483 | 1485 | rVV2 | 124896 | 134001 | 4.12% | 0.325% |
| 17 | 10.833 | 1485 | 1487 | 1490 | rVV2 | 85752 | 107771 | 3.32% | 0.261% |
| 18 | 10.886 | 1494 | 1496 | 1499 | rVV4 | 71592 | 91970 | 2.83% | 0.223% |
| 19 | 10.922 | 1499 | 1502 | 1506 | rVV3 | 118282 | 182838 | 5.63% | 0.444% |
| 20 | 10.963 | 1506 | 1509 | 1512 | rVV | 127327 | 176123 | 5.42% | 0.427% |
| 21 | 10.998 | 1513 | 1515 | 1522 | rVV4 | 83233 | 138672 | 4.27% | 0.336% |
| 22 | 11.051 | 1522 | 1524 | 1529 | rVB3 | 44098 | 40839 | 1.26% | 0.099% |
| 23 | 11.145 | 1538 | 1540 | 1546 | rVB | 48806 | 58307 | 1.79% | 0.141% |
| 24 | 11.251 | 1554 | 1558 | 1560 | rBV | 1608459 | 1440574 | 44.33% | 3.495% |
| 25 | 11.274 | 1560 | 1562 | 1565 | rVV | 788226 | 601758 | 18.52% | 1.460% |
| 26 | 11.321 | 1565 | 1570 | 1573 | rVB | 195492 | 163069 | 5.02% | 0.396% |
| 27 | 11.357 | 1573 | 1576 | 1579 | rBV3 | 37463 | 42172 | 1.30% | 0.102% |
| 28 | 11.474 | 1591 | 1596 | 1599 | rBV2 | 66196 | 71080 | 2.19% | 0.172% |
| 29 | 11.551 | 1606 | 1609 | 1612 | rBV2 | 40664 | 42762 | 1.32% | 0.104% |
| 30 | 11.580 | 1612 | 1614 | 1617 | rVB | 57642 | 43258 | 1.33% | 0.105% |
| 31 | 11.657 | 1625 | 1627 | 1632 | rVB | 32260 | 40330 | 1.24% | 0.098% |
| 32 | 11.751 | 1639 | 1643 | 1645 | rBV | 191456 | 176931 | 5.44% | 0.429% |
| 33 | 11.786 | 1645 | 1649 | 1653 | rVV2 | 478542 | 562633 | 17.31% | 1.365% |
| 34 | 11.821 | 1653 | 1655 | 1658 | rVV2 | 90356 | 88873 | 2.73% | 0.216% |
| 35 | 11.857 | 1658 | 1661 | 1664 | rVV2 | 285808 | 320558 | 9.86% | 0.778% |
| 36 | 11.880 | 1664 | 1665 | 1670 | rVB | 137157 | 112894 | 3.47% | 0.274% |

LSC Area Percent Report

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Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** VNJ-208

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.045 | 1691 | 1693 | 1695 | rBV | 132603 | 112370 | 3.46% | 0.273% |
| 38 | 12.063 | 1695 | 1696 | 1700 | rVB2 | 114354 | 83809 | 2.58% | 0.203% |
| 39 | 12.192 | 1716 | 1718 | 1721 | rVB | 58877 | 53096 | 1.63% | 0.129% |
| 40 | 12.227 | 1721 | 1724 | 1726 | rBV | 76272 | 65928 | 2.03% | 0.160% |
| 41 | 12.251 | 1726 | 1728 | 1730 | rVB | 66853 | 49207 | 1.51% | 0.119% |
| 42 | 12.298 | 1730 | 1736 | 1739 | rBV | 173514 | 200964 | 6.18% | 0.488% |
| 43 | 12.333 | 1739 | 1742 | 1744 | rBV2 | 114570 | 138694 | 4.27% | 0.336% |
| 44 | 12.357 | 1744 | 1746 | 1748 | rVV | 102244 | 103097 | 3.17% | 0.250% |
| 45 | 12.380 | 1748 | 1750 | 1755 | rVB2 | 153062 | 175009 | 5.39% | 0.425% |
| 46 | 12.457 | 1760 | 1763 | 1767 | rVV | 1728062 | 1645857 | 50.65% | 3.993% |
| 47 | 12.510 | 1767 | 1772 | 1777 | rVV3 | 53384 | 92566 | 2.85% | 0.225% |
| 48 | 12.574 | 1780 | 1783 | 1787 | rVV4 | 92207 | 136691 | 4.21% | 0.332% |
| 49 | 12.610 | 1787 | 1789 | 1793 | rVV2 | 70205 | 91137 | 2.80% | 0.221% |
| 50 | 12.686 | 1797 | 1802 | 1805 | rBV | 1810206 | 1728380 | 53.19% | 4.193% |
| 51 | 12.739 | 1808 | 1811 | 1816 | rVB3 | 81266 | 152324 | 4.69% | 0.370% |
| 52 | 12.804 | 1820 | 1822 | 1824 | rBV | 82529 | 71851 | 2.21% | 0.174% |
| 53 | 12.833 | 1824 | 1827 | 1831 | rVV | 2795674 | 2616044 | 80.50% | 6.347% |
| 54 | 12.904 | 1835 | 1839 | 1843 | rBV2 | 143103 | 200585 | 6.17% | 0.487% |
| 55 | 12.992 | 1851 | 1854 | 1855 | rBV2 | 100474 | 94006 | 2.89% | 0.228% |
| 56 | 13.016 | 1855 | 1858 | 1862 | rVB | 254668 | 252583 | 7.77% | 0.613% |
| 57 | 13.080 | 1866 | 1869 | 1872 | rVB | 172791 | 131500 | 4.05% | 0.319% |
| 58 | 13.121 | 1872 | 1876 | 1878 | rBV | 217788 | 221496 | 6.82% | 0.537% |
| 59 | 13.210 | 1888 | 1891 | 1894 | rVB | 146029 | 116925 | 3.60% | 0.284% |
| 60 | 13.239 | 1894 | 1896 | 1900 | rBV | 126080 | 114849 | 3.53% | 0.279% |
| 61 | 13.315 | 1906 | 1909 | 1917 | rVB7 | 41138 | 56356 | 1.73% | 0.137% |
| 62 | 13.421 | 1925 | 1927 | 1932 | rVB5 | 67509 | 78934 | 2.43% | 0.192% |
| 63 | 13.515 | 1941 | 1943 | 1949 | rVB | 147433 | 153945 | 4.74% | 0.373% |
| 64 | 13.633 | 1958 | 1963 | 1966 | rBV2 | 185243 | 258180 | 7.94% | 0.626% |
| 65 | 13.663 | 1966 | 1968 | 1970 | rVV | 142405 | 121233 | 3.73% | 0.294% |
| 66 | 13.680 | 1970 | 1971 | 1976 | rVV2 | 114637 | 143636 | 4.42% | 0.348% |
| 67 | 13.727 | 1976 | 1979 | 1981 | rVB2 | 126454 | 118379 | 3.64% | 0.287% |
| 68 | 13.804 | 1989 | 1992 | 1995 | rBV | 53617 | 77922 | 2.40% | 0.189% |
| 69 | 13.880 | 2000 | 2005 | 2008 | rVV2 | 1396250 | 1954291 | 60.14% | 4.741% |
| 70 | 13.910 | 2008 | 2010 | 2013 | rVB | 906233 | 650141 | 20.01% | 1.577% |
| 71 | 13.986 | 2021 | 2023 | 2026 | rVB | 92805 | 77481 | 2.38% | 0.188% |
| 72 | 14.021 | 2027 | 2029 | 2031 | rVV | 53325 | 44363 | 1.37% | 0.108% |
| 73 | 14.068 | 2035 | 2037 | 2040 | rVB2 | 76743 | 62461 | 1.92% | 0.152% |
| 74 | 14.110 | 2040 | 2044 | 2047 | rBV3 | 58339 | 105918 | 3.26% | 0.257% |
| 75 | 14.233 | 2063 | 2065 | 2067 | rBV | 65284 | 60772 | 1.87% | 0.147% |
| 76 | 14.268 | 2067 | 2071 | 2074 | rVV | 215300 | 259525 | 7.99% | 0.630% |

LSC Area Percent Report

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Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 14.304 | 2075 | 2077 | 2081 | rVV2 | 137662 | 119756 | 3.69% | 0.291% |
| 78 | 14.362 | 2085 | 2087 | 2090 | rVV3 | 104801 | 125765 | 3.87% | 0.305% |
| 79 | 14.392 | 2090 | 2092 | 2094 | rVV | 114970 | 112824 | 3.47% | 0.274% |
| 80 | 14.415 | 2094 | 2096 | 2099 | rVB3 | 92930 | 86405 | 2.66% | 0.210% |
| 81 | 14.810 | 2161 | 2163 | 2167 | rVB4 | 78519 | 77727 | 2.39% | 0.189% |
| 82 | 14.898 | 2174 | 2178 | 2181 | rBV | 813453 | 1162188 | 35.76% | 2.820% |
| 83 | 14.998 | 2192 | 2195 | 2201 | rVB2 | 188833 | 216787 | 6.67% | 0.526% |
| 84 | 15.186 | 2223 | 2227 | 2233 | rVB | 504401 | 598344 | 18.41% | 1.452% |
| 85 | 15.245 | 2233 | 2237 | 2243 | rBV | 658975 | 760565 | 23.40% | 1.845% |
| 86 | 15.304 | 2243 | 2247 | 2250 | rVV | 848388 | 963034 | 29.63% | 2.336% |
| 87 | 15.333 | 2250 | 2252 | 2261 | rVB2 | 200199 | 273551 | 8.42% | 0.664% |
| 88 | 16.674 | 2475 | 2480 | 2490 | rVB2 | 261103 | 521647 | 16.05% | 1.266% |
| 89 | 17.086 | 2545 | 2550 | 2562 | rVB | 203610 | 398576 | 12.27% | 0.967% |

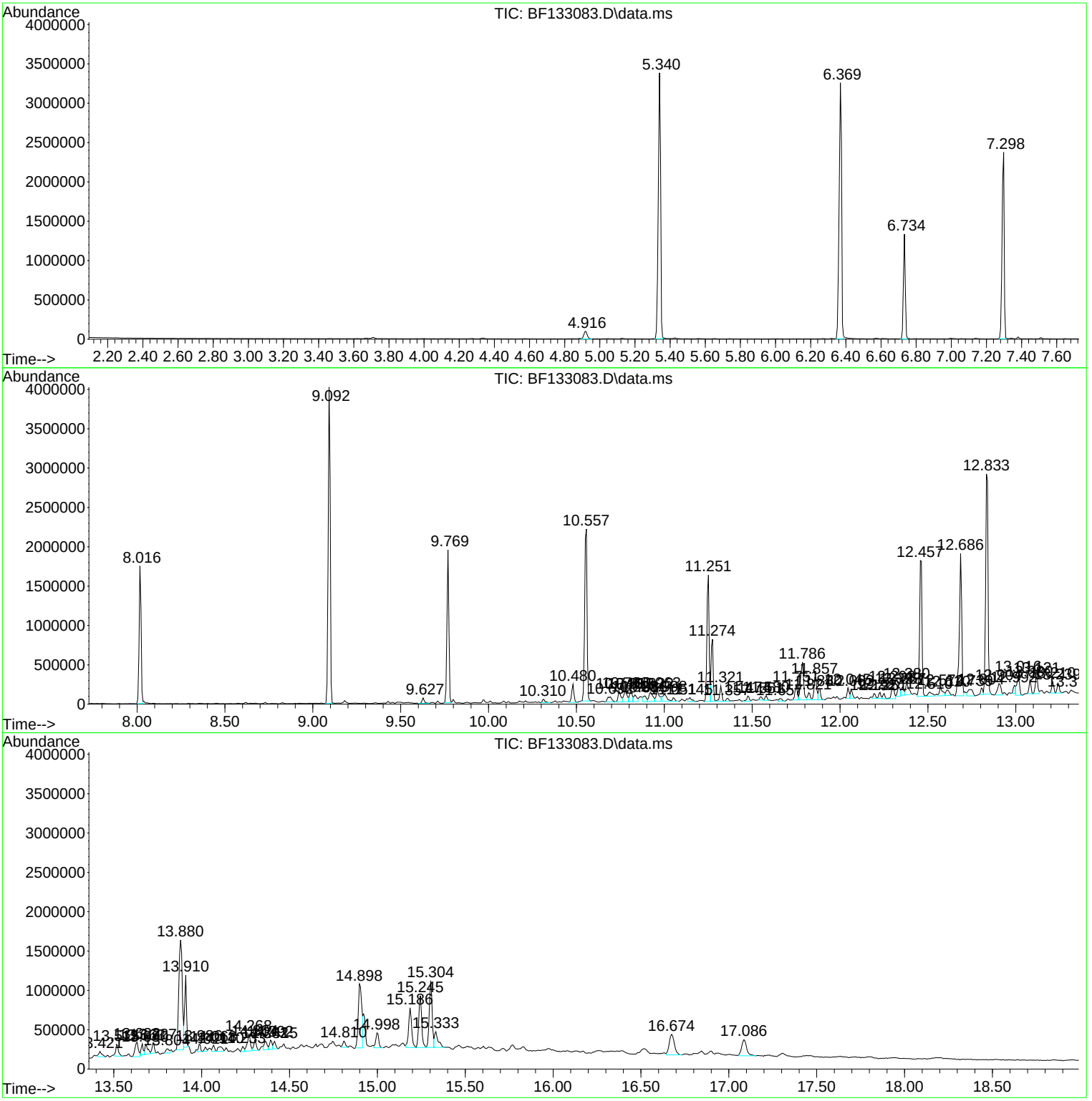
Sum of corrected areas: 41217510

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

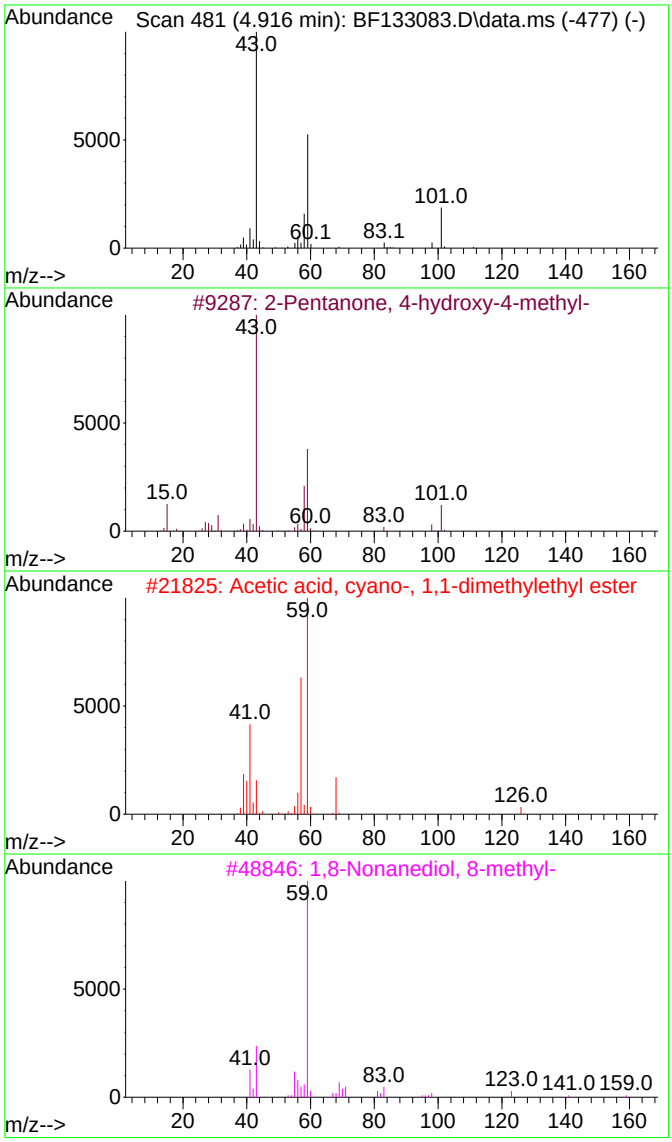
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

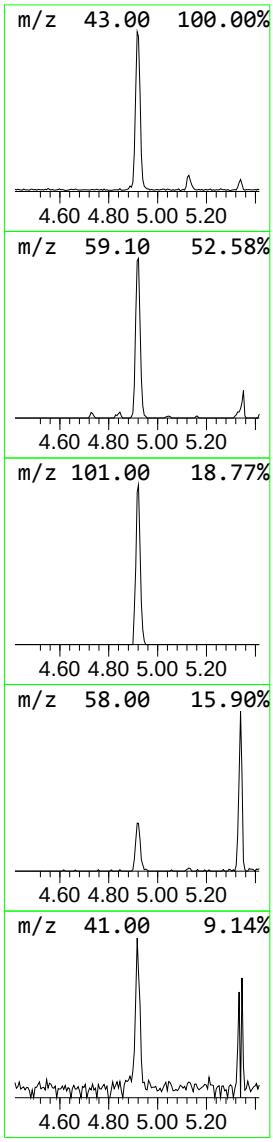
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.916 | 2.58 ng | 127281 | 1,4-Dichlorobenzene-d4 | 6.734 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 3 | 1,8-Nonanediol, 8-methyl- | 174 | C10H22O2 | 054725-73-4 | 25 |
| 4 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 17 |
| 5 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 12 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

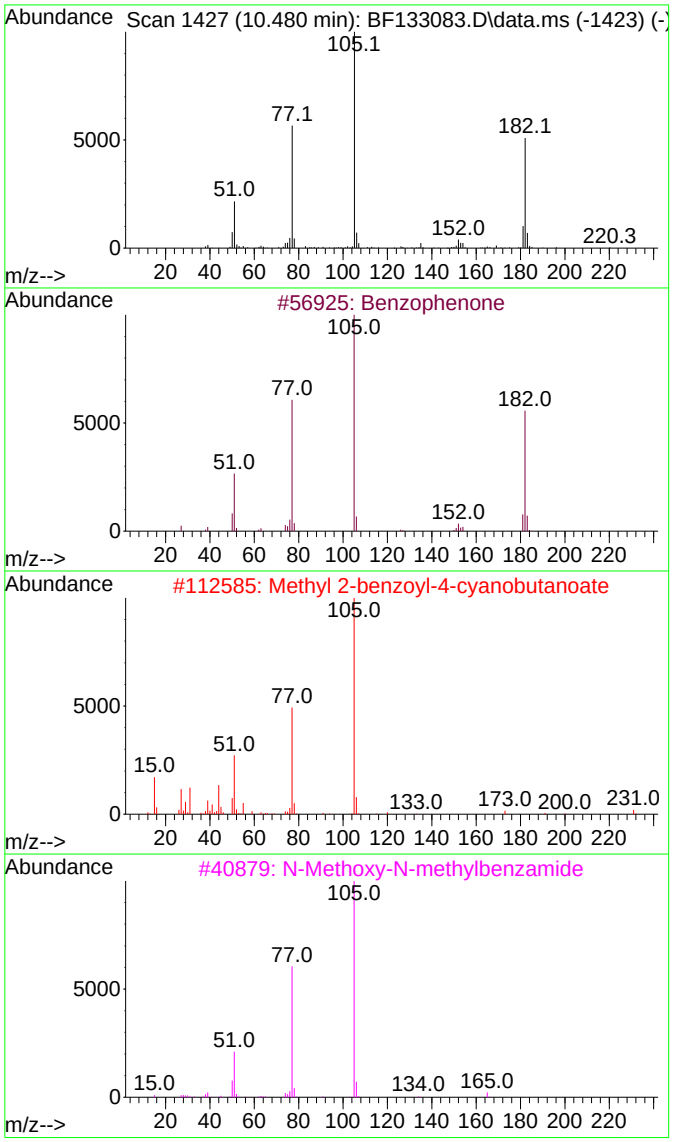
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

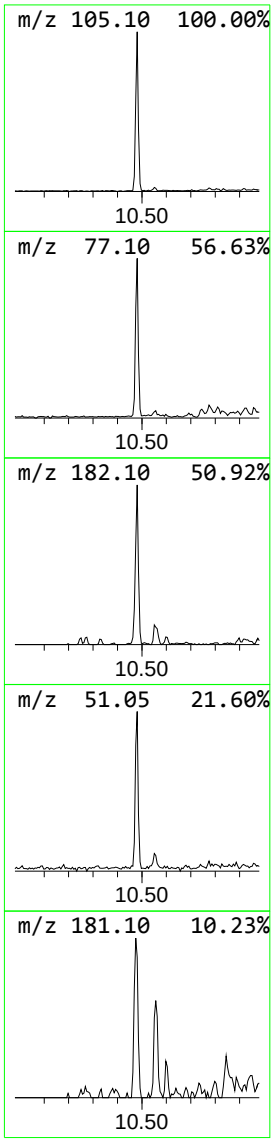
**********

Peak Number 2 Benzophenone Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.480 | 2.72 ng | 199543 | Acenaphthene-d10 | 9.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Methyl 2-benzoyl-4-cyanobutanoate | 231 | C13H13NO3 | 1010486-83-8 | 47 |
| 3 | N-Methoxy-N-methylbenzamide | 165 | C9H11NO2 | 006919-61-5 | 47 |
| 4 | N-[2,2-Dichloro-1-(toluene-4-sul... | 371 | C16H15Cl2NO3S | 136800-77-6 | 47 |
| 5 | Benzenebutanoic acid, .gamma.-oxo- | 178 | C10H10O3 | 002051-95-8 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
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Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

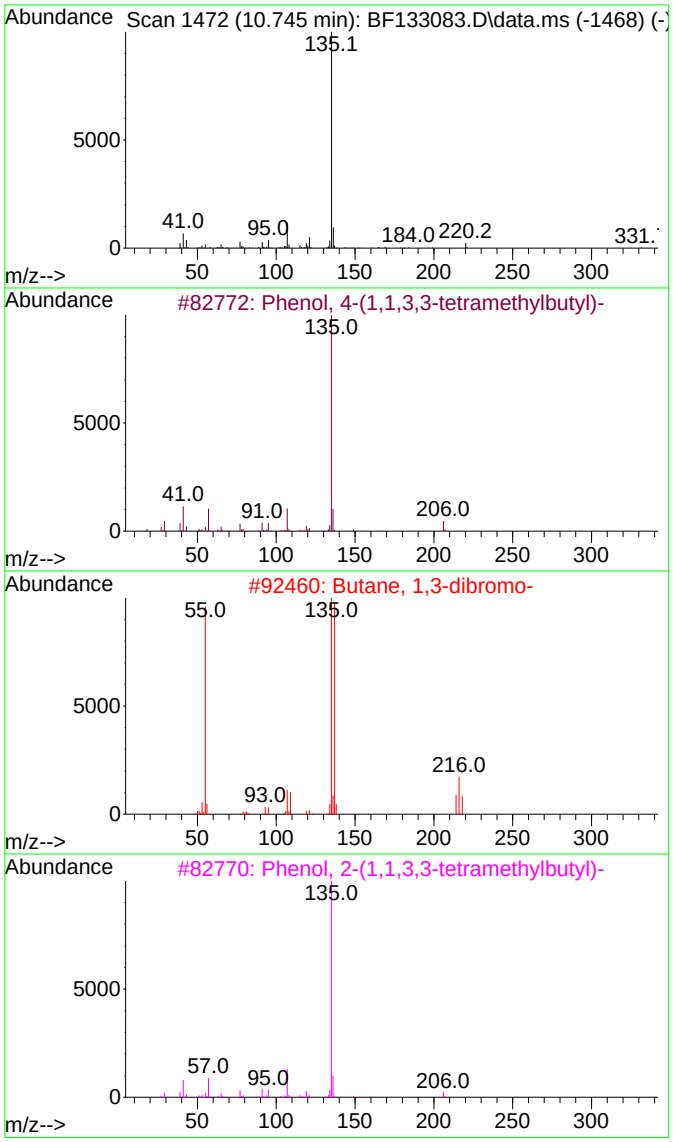
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

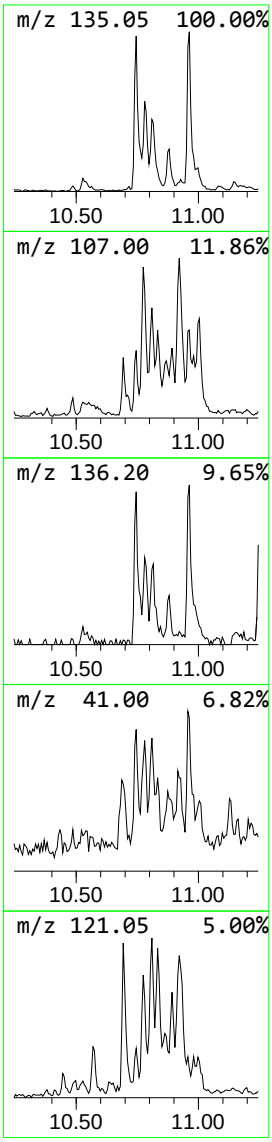
**********

Peak Number 3 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.745 | 2.16 ng | 155896 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(1,1,3,3-tetramethylbu... | 206 | C14H22O | 000140-66-9 | 78 |
| 2 | Butane, 1,3-dibromo- | 214 | C4H8Br2 | 000107-80-2 | 78 |
| 3 | Phenol, 2-(1,1,3,3-tetramethylbu... | 206 | C14H22O | 003884-95-5 | 72 |
| 4 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 72 |
| 5 | Phenol, 2-methyl-5-(1-methylethyl)- | 150 | C10H14O | 000499-75-2 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

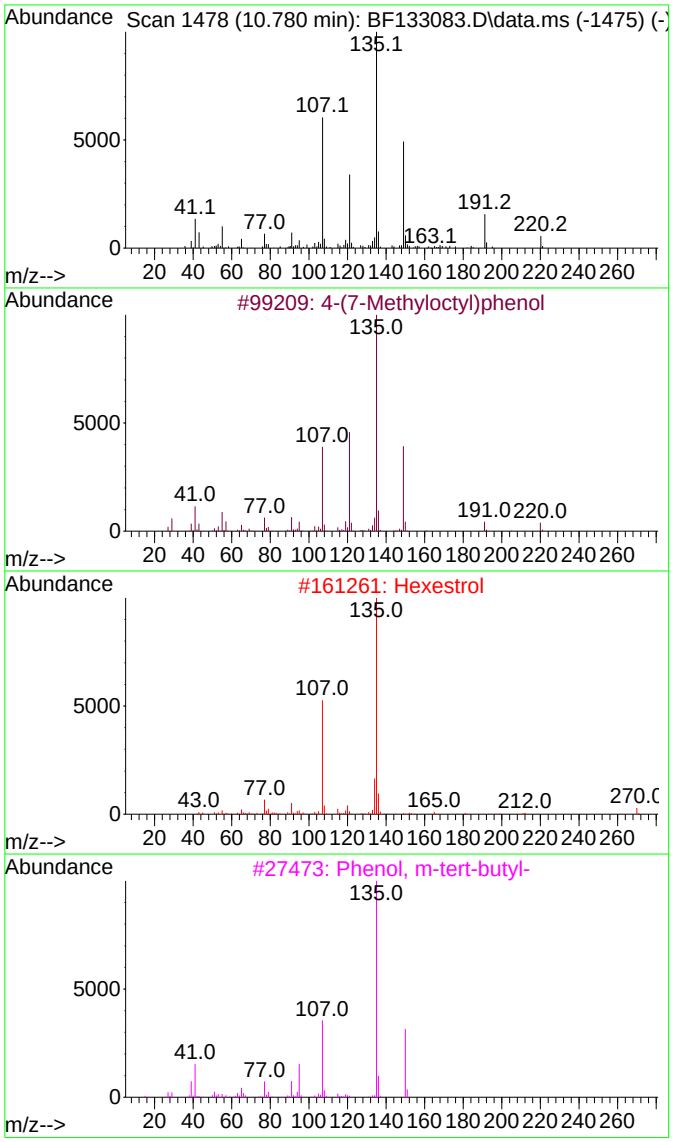
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

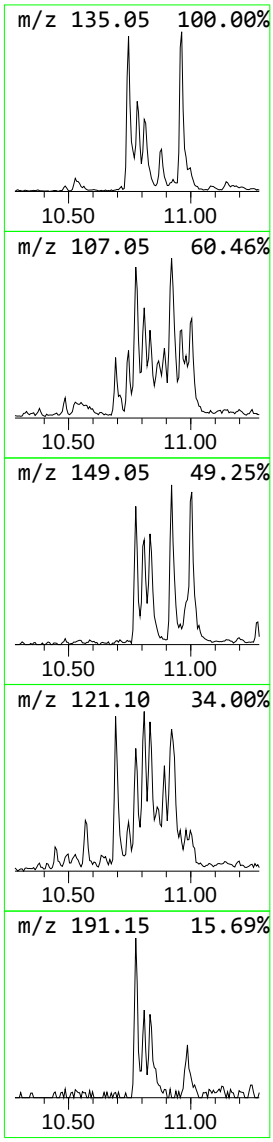
**********

Peak Number 4 4-(7-Methyloctyl)phenol Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.780 | 2.67 ng | 192036 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-(7-Methyloctyl)phenol | 220 | C15H24O | 024518-48-7 | 87 |
| 2 | Hexestrol | 270 | C18H22O2 | 000084-16-2 | 50 |
| 3 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 50 |
| 4 | Phenol, 2-(1,1-dimethylethyl)- | 150 | C10H14O | 000088-18-6 | 50 |
| 5 | Benzamide, 2-methoxy-N-allyl- | 191 | C11H13NO2 | 1010339-10-5 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

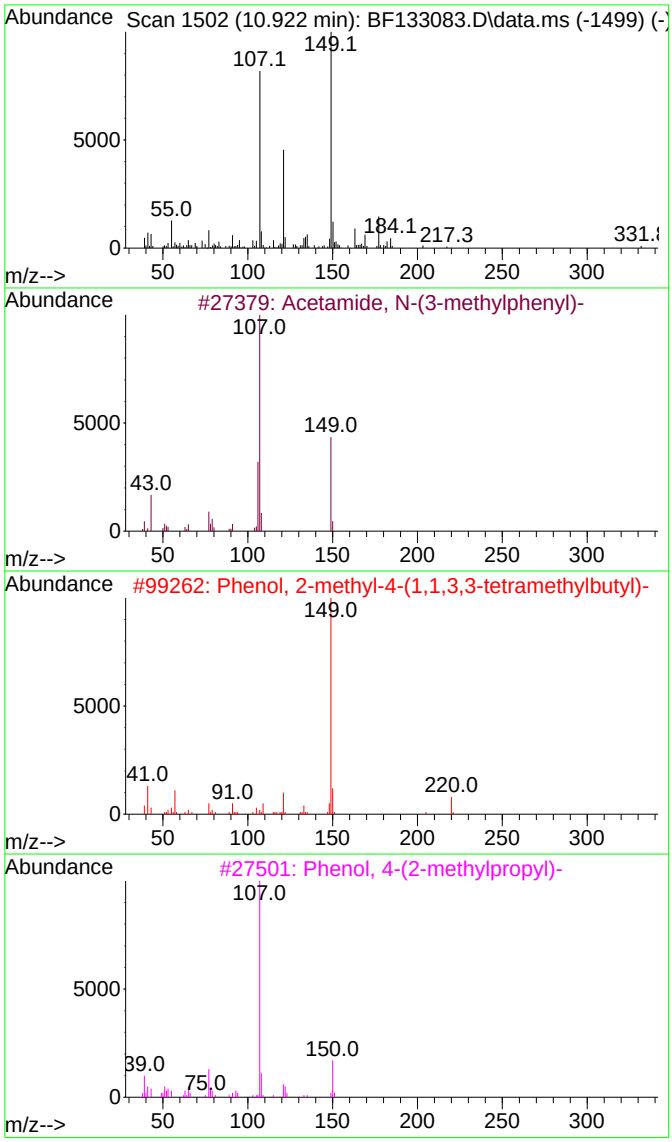
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

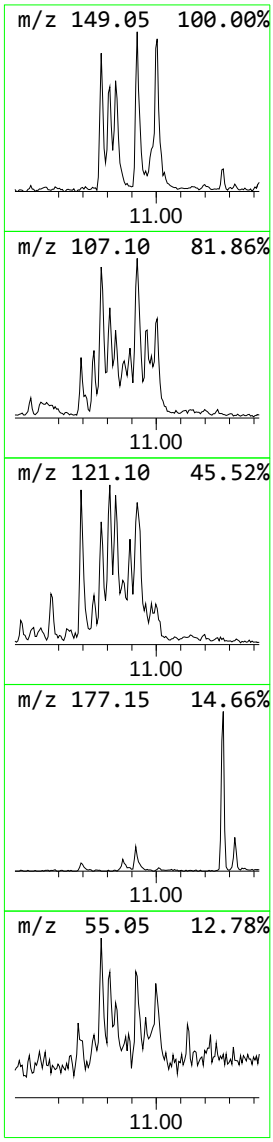
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Acetamide, N-(3-methylphenyl)- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.922 | 2.54 ng | 182838 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetamide, N-(3-methylphenyl)- | 149 | C9H11NO | 000537-92-8 | 64 |
| 2 | Phenol, 2-methyl-4-(1,1,3,3-tetr... | 220 | C15H24O | 002219-84-3 | 38 |
| 3 | Phenol, 4-(2-methylpropyl)- | 150 | C10H14O | 004167-74-2 | 38 |
| 4 | N-(4-Acetylphenyl)-4-ethoxybenza... | 283 | C17H17NO3 | 346693-51-4 | 35 |
| 5 | 4-Acetylbenzoic acid | 164 | C9H8O3 | 000586-89-0 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

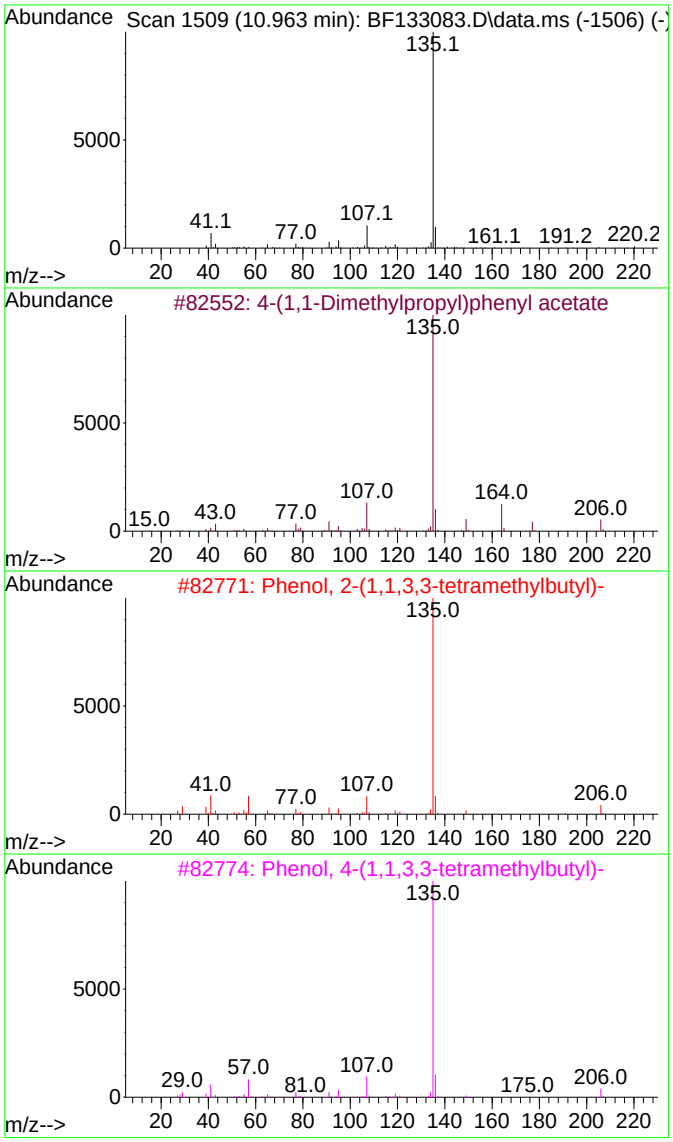
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

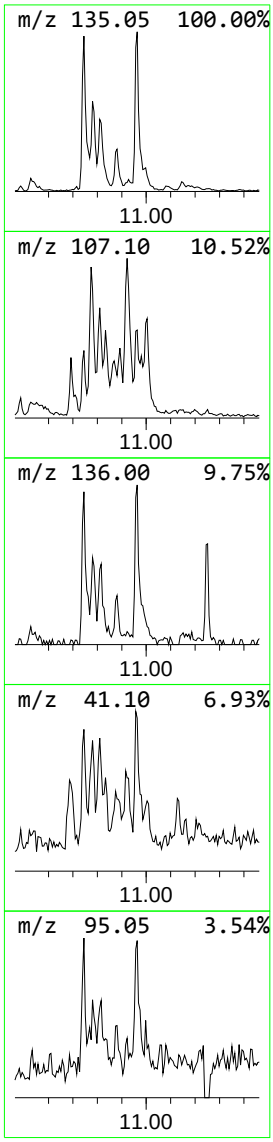
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 4-(1,1-Dimethylpropyl)pheny... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.963 | 2.45 ng | 176123 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-(1,1-Dimethylpropyl)phenyl ace... | 206 | C13H18O2 | 1000373-45-3 | 78 |
| 2 | Phenol, 2-(1,1,3,3-tetramethylbu... | 206 | C14H22O | 003884-95-5 | 78 |
| 3 | Phenol, 4-(1,1,3,3-tetramethylbu... | 206 | C14H22O | 000140-66-9 | 78 |
| 4 | Carbamic acid, N-[1,1-bis(triflu... | 413 | C19H25F6NO2 | 296242-69-8 | 64 |
| 5 | Pentanoic acid, 5-hydroxy-, p-t-... | 250 | C15H22O3 | 166273-37-6 | 64 |



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Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

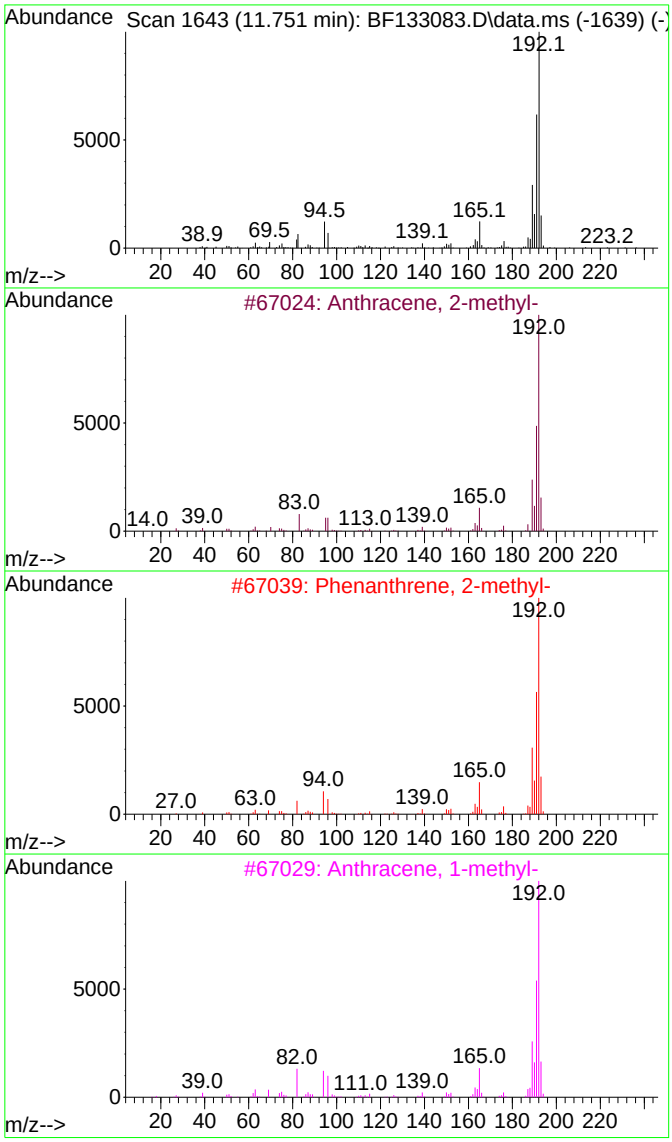
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

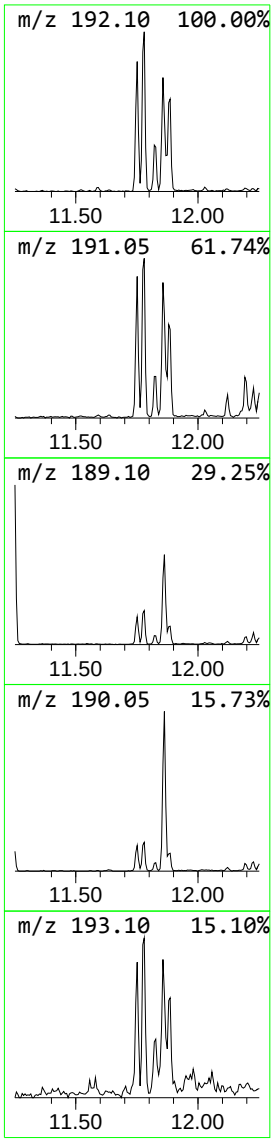
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.751 | 2.46 ng | 176931 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |



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Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

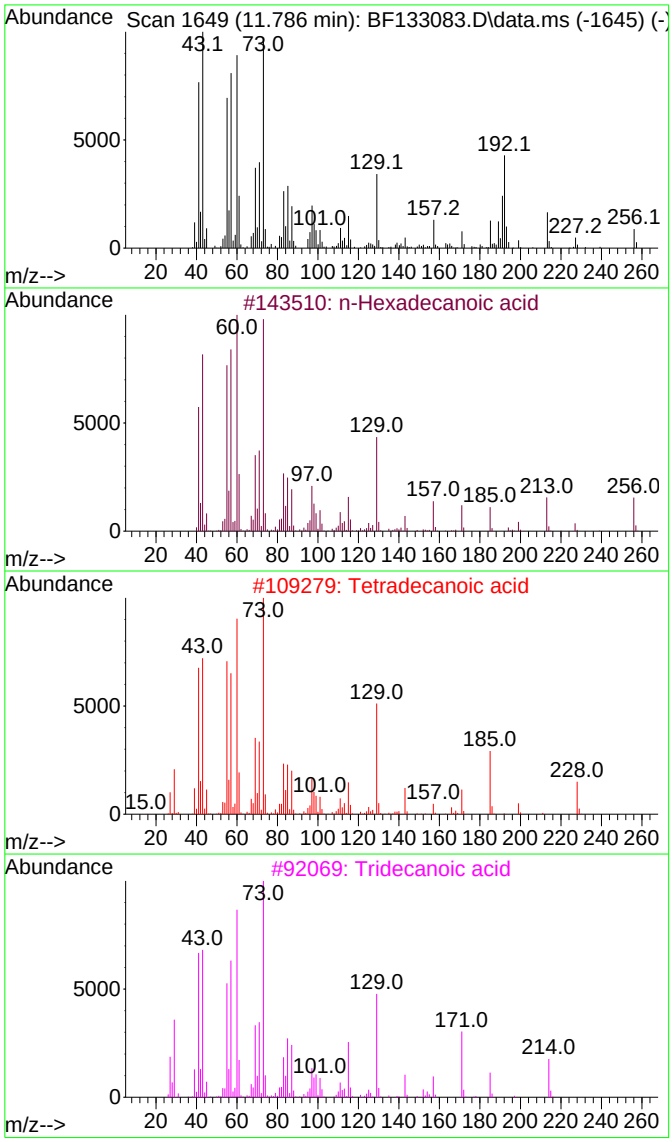
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

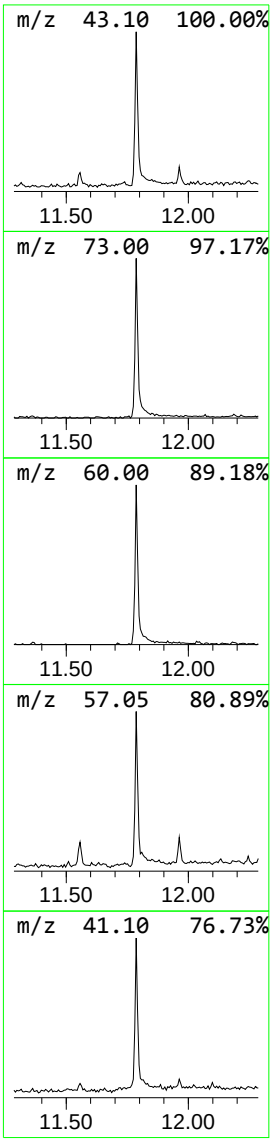
**********

Peak Number 8 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.786 | 7.81 ng | 562633 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 86 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 86 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 76 |
| 5 | 8-Methylnonanoic acid | 172 | C10H20O2 | 005963-14-4 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

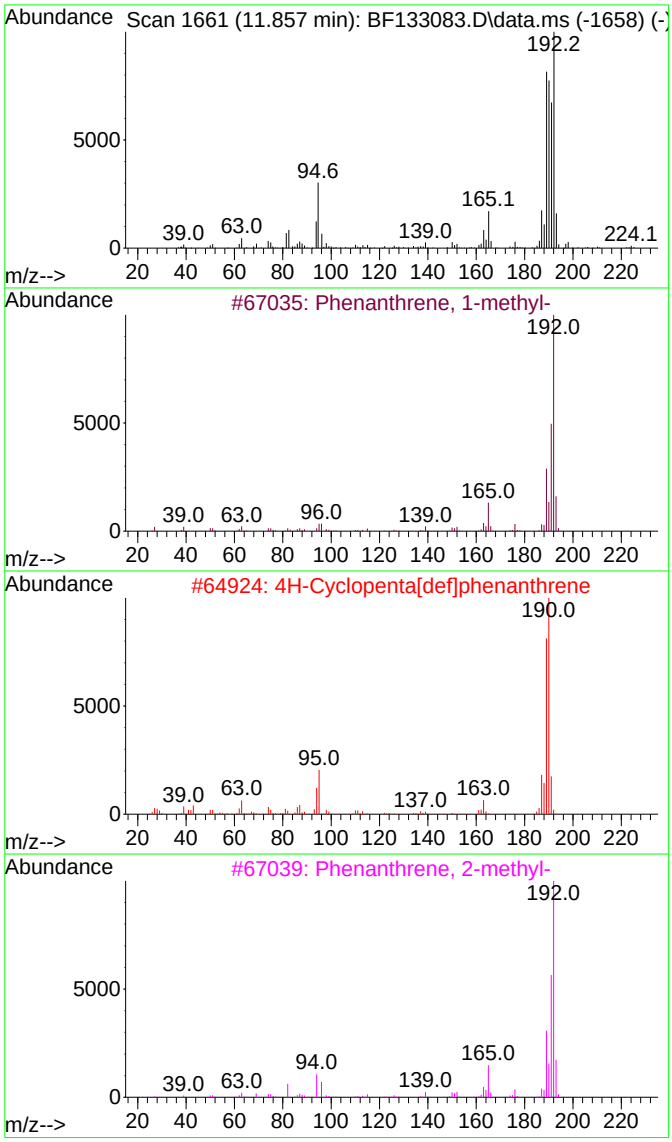
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

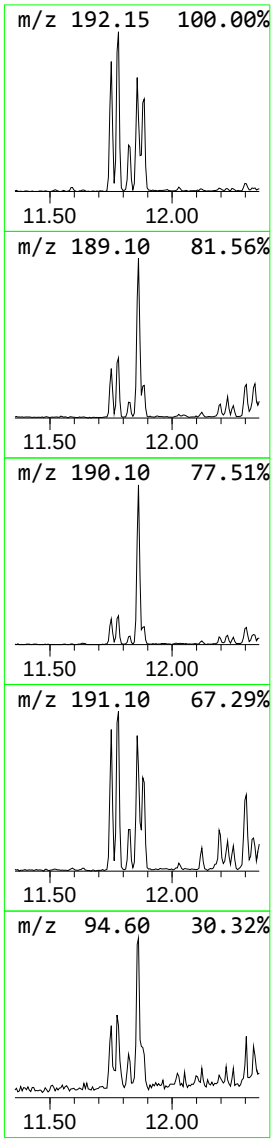
**********

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.857 | 4.45 ng | 320558 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 80 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 50 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 46 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 42 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

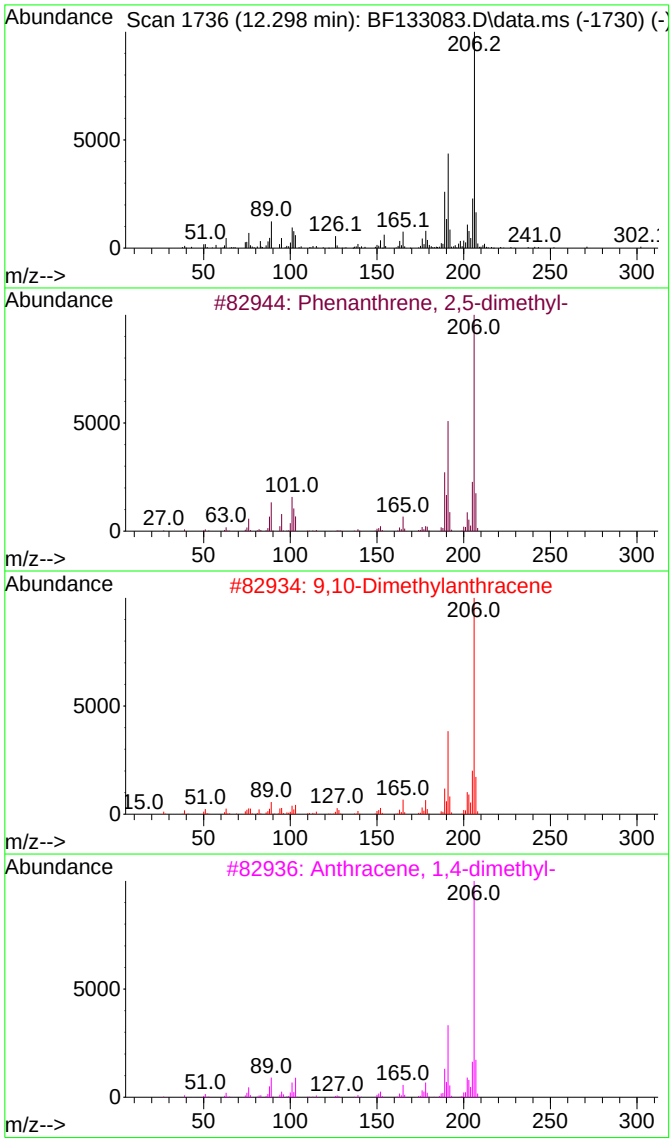
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

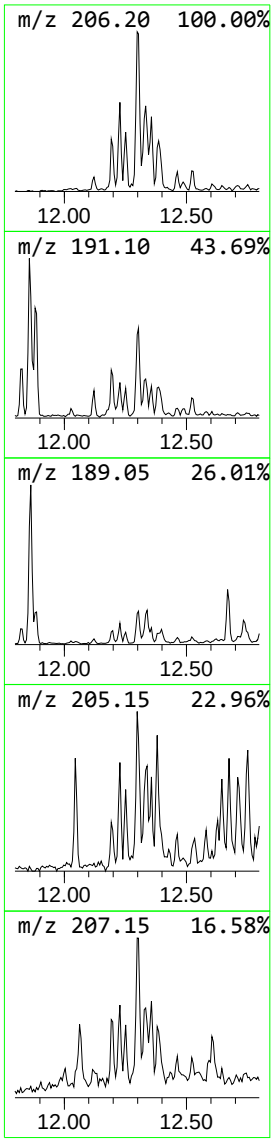
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.298 | 2.79 ng | 200964 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 98 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 96 |
| 3 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 94 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 94 |
| 5 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

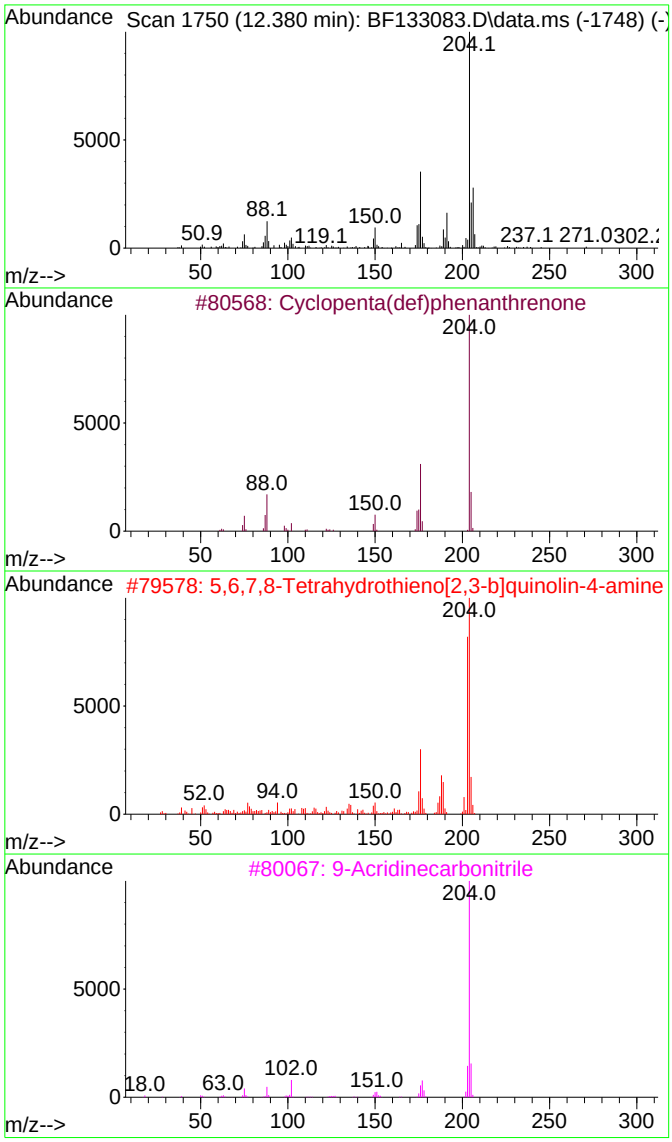
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

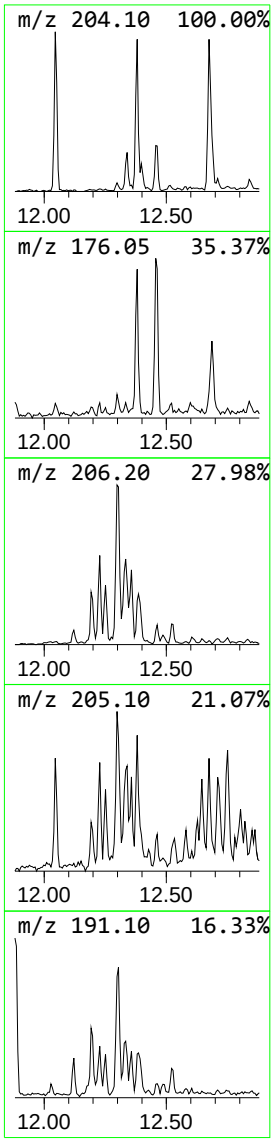
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.380 | 2.43 ng | 175009 | Phenanthrene-d10 | 11.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 94 |
| 2 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 59 |
| 3 | 9-Acridinecarbonitrile | 204 | C14H8N2 | 005326-19-2 | 53 |
| 4 | 2-Hydroxy-5-chlorobiphenyl, acetate | 246 | C14H11ClO2 | 1000447-68-0 | 47 |
| 5 | Pyrimidine, 4-chloro-6-(4-methyl... | 204 | C11H9ClN2 | 1000380-55-8 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

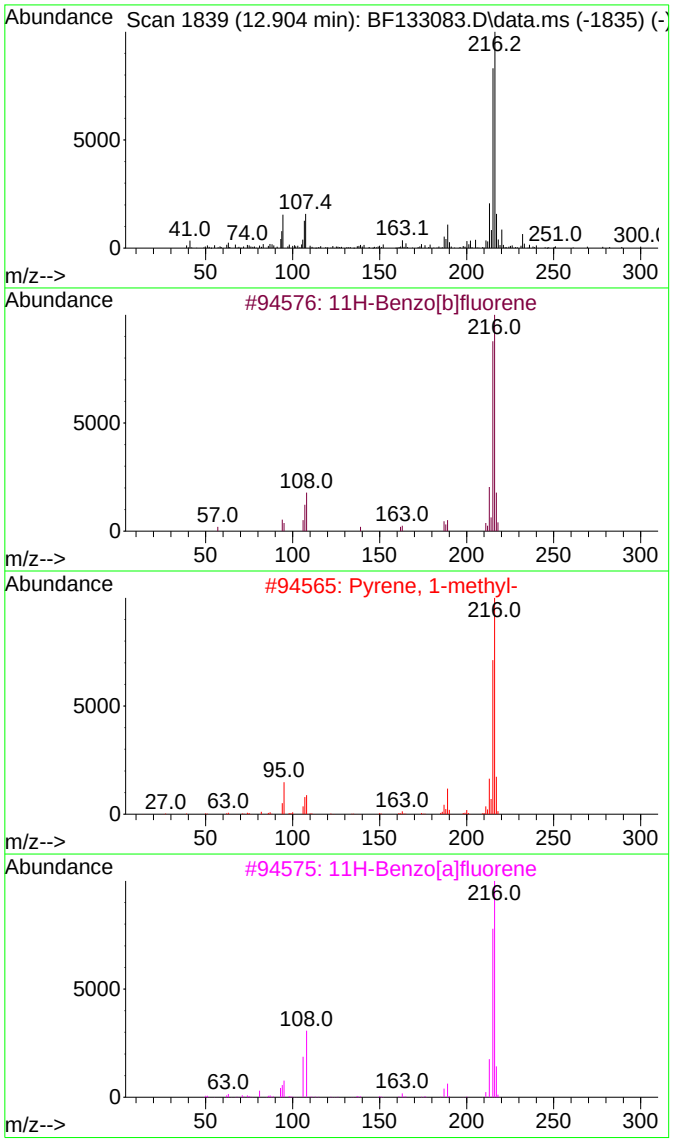
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

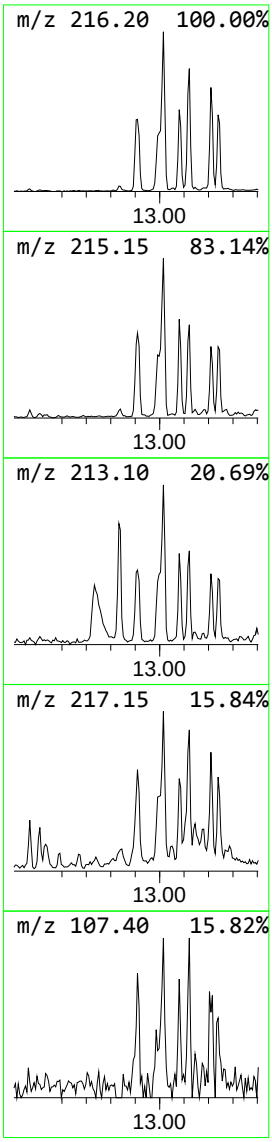
**********

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.904 | 2.05 ng | 200585 | Chrysene-d12 | 13.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 91 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 76 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

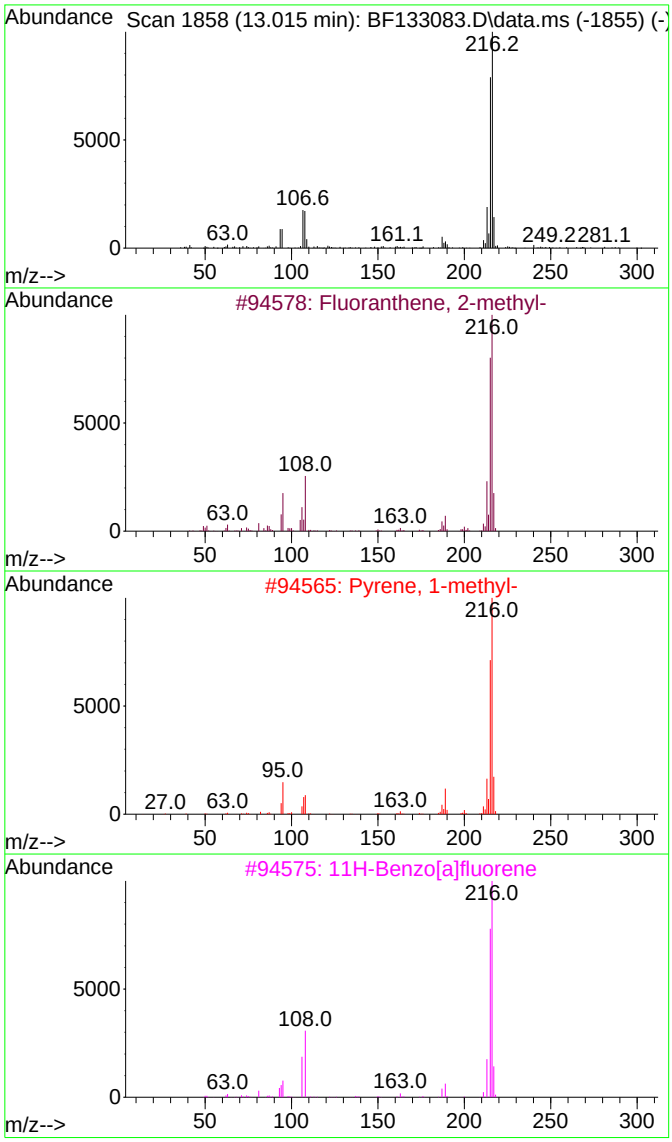
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

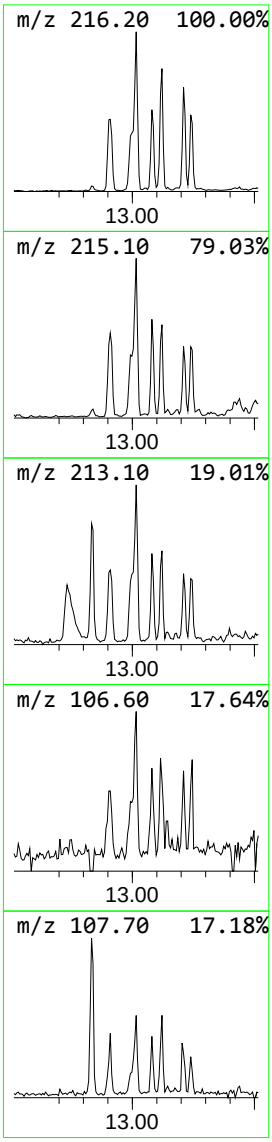
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.015 | 2.58 ng | 252583 | Chrysene-d12 | 13.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

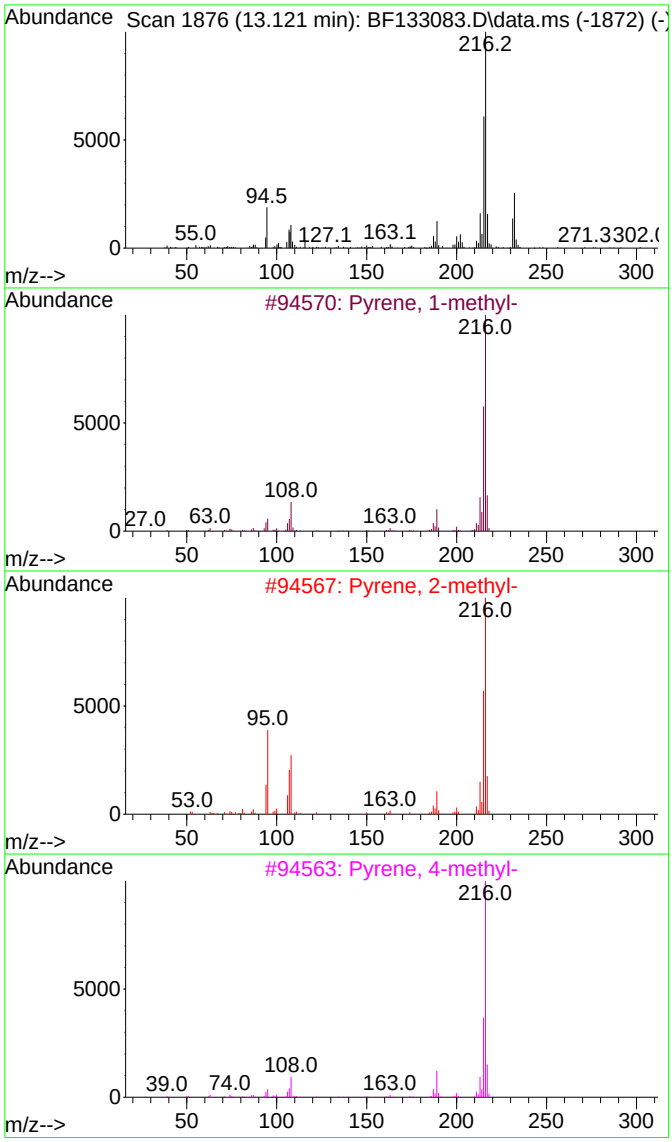
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

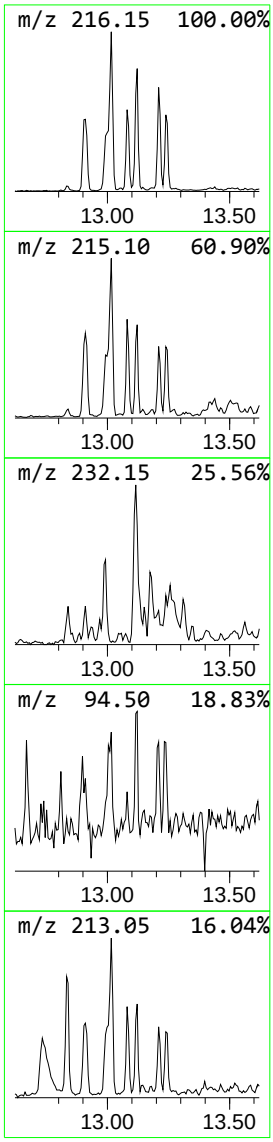
**********

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.121 | 2.27 ng | 221496 | Chrysene-d12 | 13.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 94 |
| 3 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 91 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 86 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

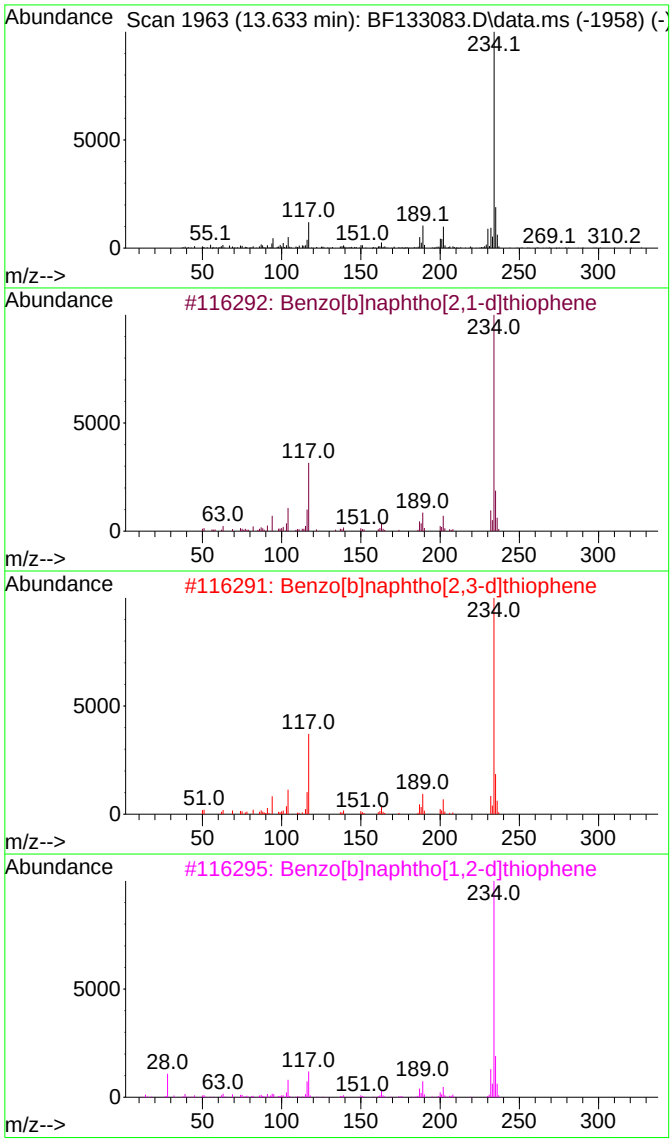
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

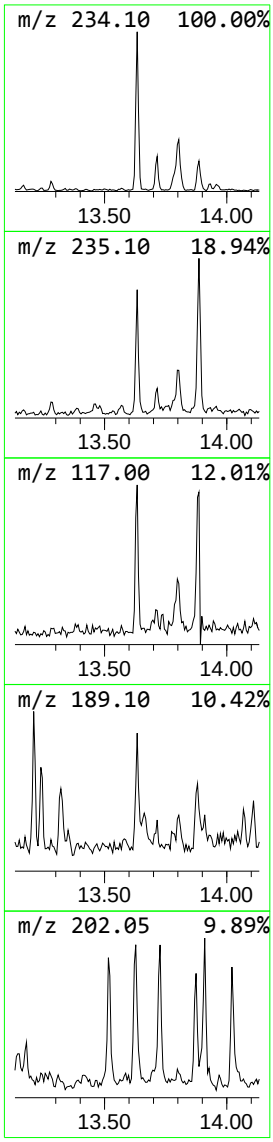
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.633 | 2.64 ng | 258180 | Chrysene-d12 | 13.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 95 |
| 2 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 94 |
| 3 | Benzo[b]naphtho[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 87 |
| 4 | Anthra(2,3-b)thiophene | 234 | C16H10S | 022108-55-0 | 87 |
| 5 | Anthra[1,9a,9-cd:5,10a,10-c'd']d... | 234 | C14H6N2O2 | 000201-91-2 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

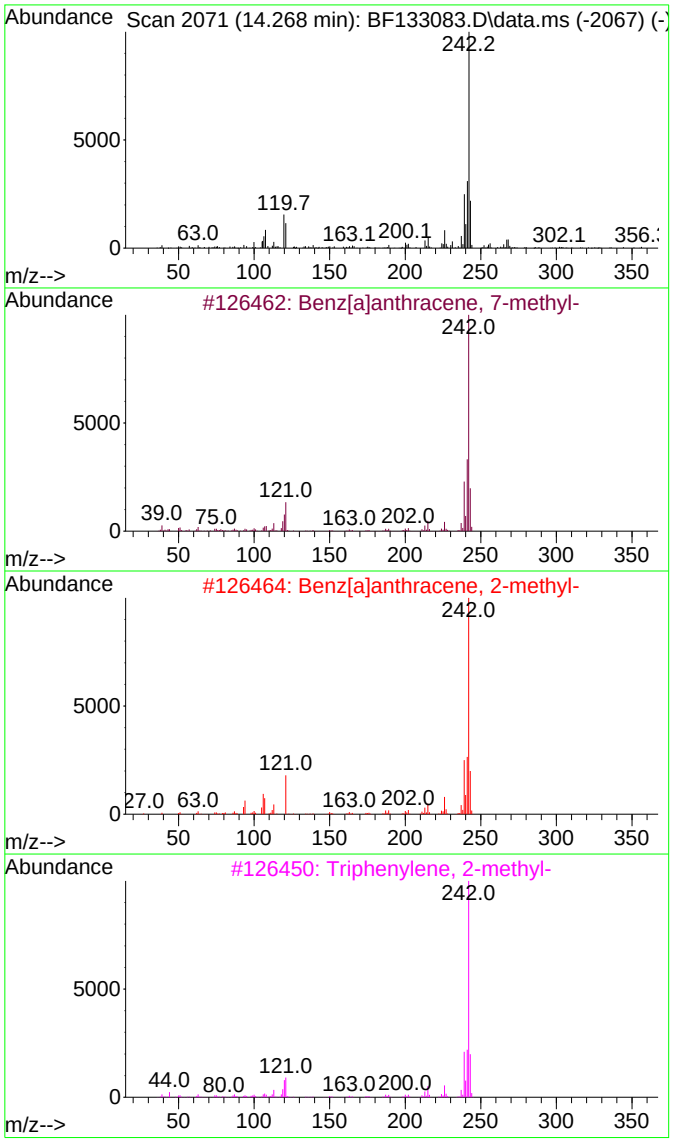
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

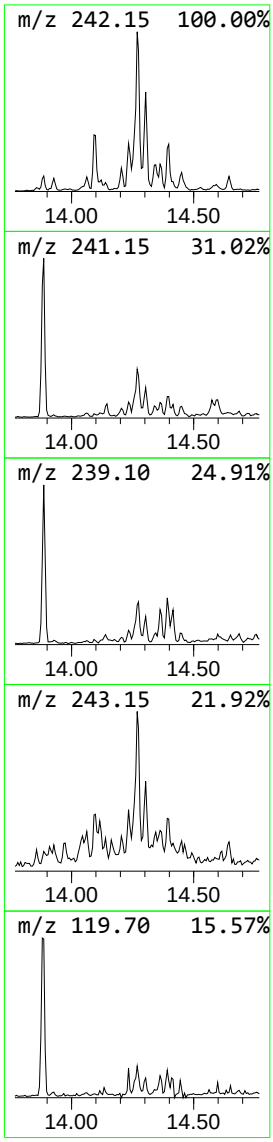
**********

Peak Number 16 Benz[a]anthracene, 7-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.268 | 2.66 ng | 259525 | Chrysene-d12 | 13.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 95 |
| 2 | Benz[a]anthracene, 2-methyl- | 242 | C19H14 | 002498-76-2 | 95 |
| 3 | Triphenylene, 2-methyl- | 242 | C19H14 | 001705-84-6 | 93 |
| 4 | Chrysene, 1-methyl- | 242 | C19H14 | 003351-28-8 | 90 |
| 5 | Benz[a]anthracene, 1-methyl- | 242 | C19H14 | 002498-77-3 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

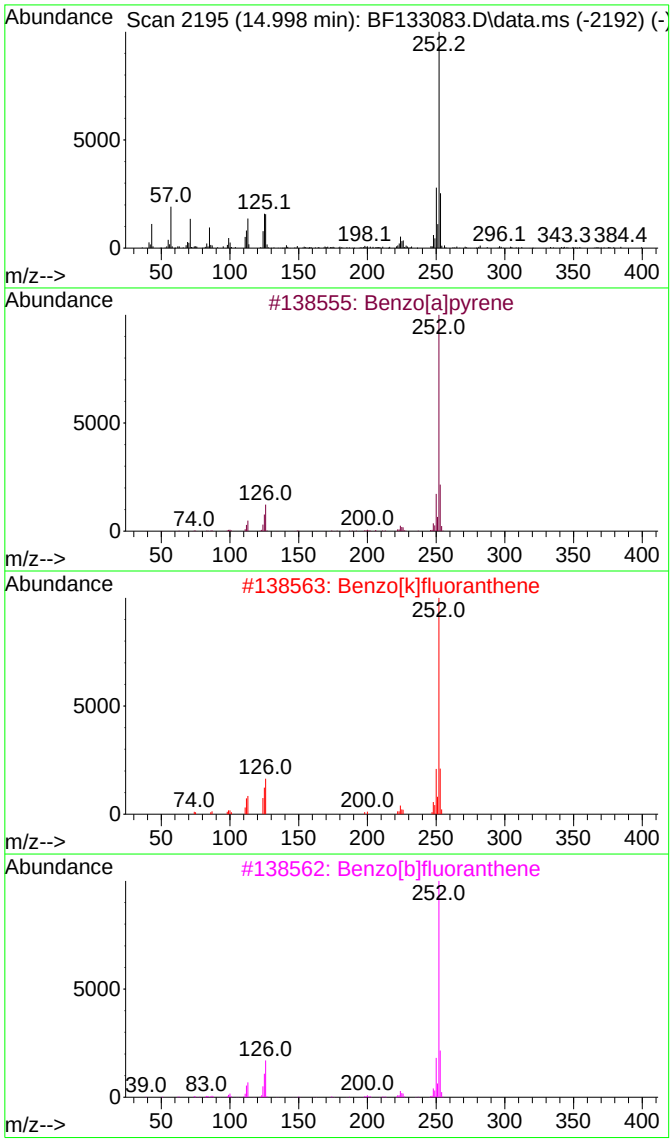
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

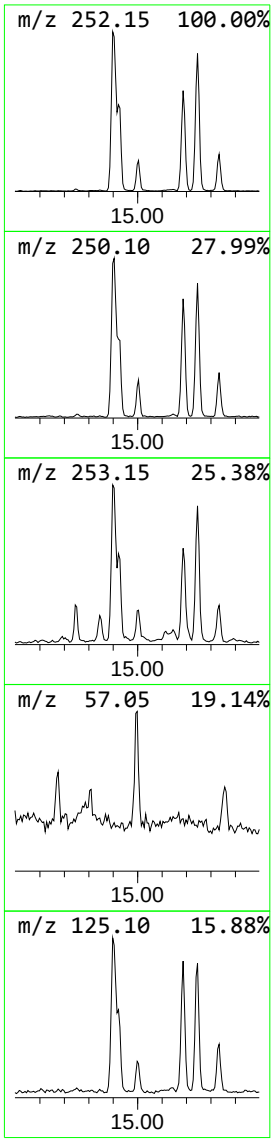
**********

Peak Number 17 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.998 | 4.50 ng | 216787 | Perylene-d12 | 15.304 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 94 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 94 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 4 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 91 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

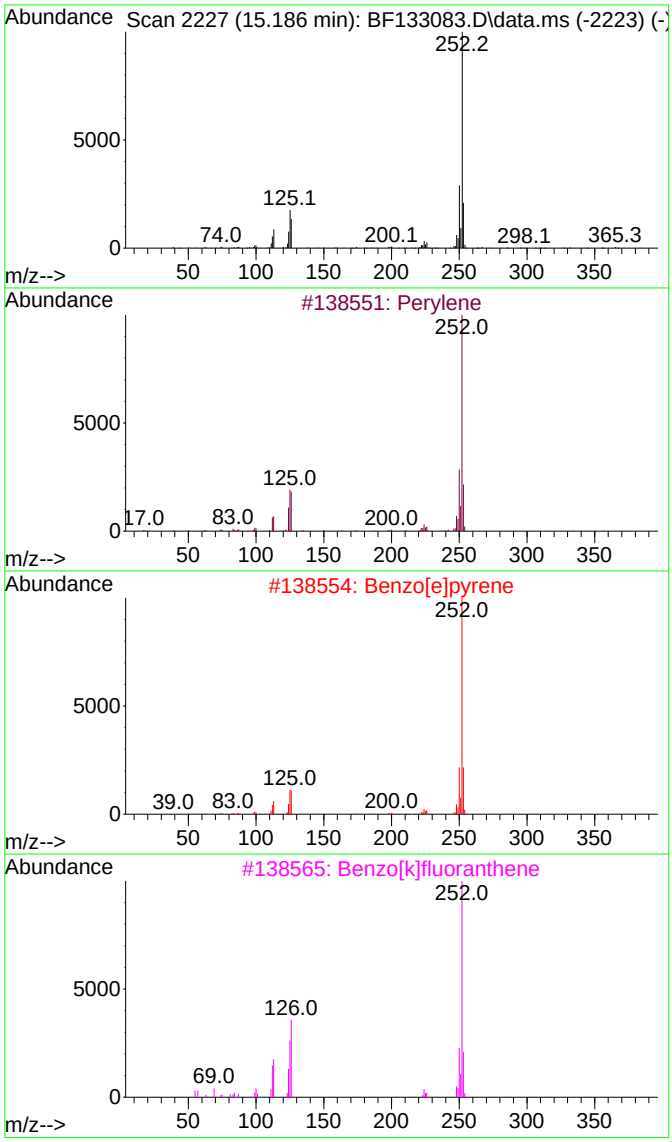
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

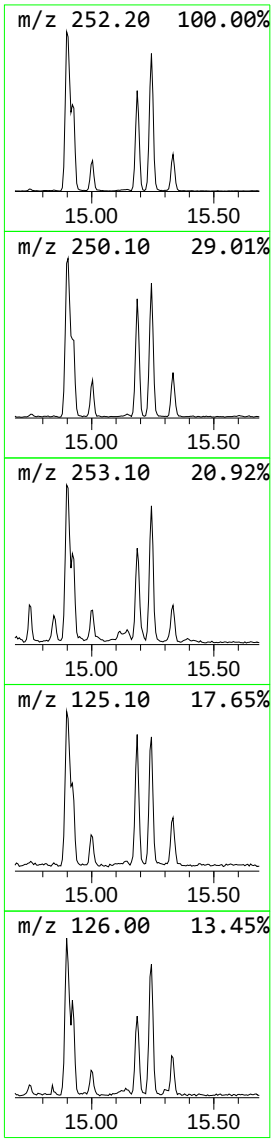
**********

Peak Number 18 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.186 | 12.43 ng | 598344 | Perylene-d12 | 15.304 |

| 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 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-208

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-... | 4.916 | 2.6 | ng | 127281 | 1 | 6.734 | 984958 | 20.0 |
| Benzophenone | 10.480 | 2.7 | ng | 199543 | 3 | 9.769 | 1467910 | 20.0 |
| Phenol, 4-(1,1,... | 10.745 | 2.2 | ng | 155896 | 4 | 11.251 | 1440570 | 20.0 |
| 4-(7-Methylocty... | 10.780 | 2.7 | ng | 192036 | 4 | 11.251 | 1440570 | 20.0 |
| Acetamide, N-(3... | 10.922 | 2.5 | ng | 182838 | 4 | 11.251 | 1440570 | 20.0 |
| 4-(1,1-Dimethyl... | 10.963 | 2.5 | ng | 176123 | 4 | 11.251 | 1440570 | 20.0 |
| Anthracene, 2-m... | 11.751 | 2.5 | ng | 176931 | 4 | 11.251 | 1440570 | 20.0 |
| n-Hexadecanoic ... | 11.786 | 7.8 | ng | 562633 | 4 | 11.251 | 1440570 | 20.0 |
| Phenanthrene, 1... | 11.857 | 4.5 | ng | 320558 | 4 | 11.251 | 1440570 | 20.0 |
| Phenanthrene, 2... | 12.298 | 2.8 | ng | 200964 | 4 | 11.251 | 1440570 | 20.0 |
| Cyclopenta(def)... | 12.380 | 2.4 | ng | 175009 | 4 | 11.251 | 1440570 | 20.0 |
| 11H-Benzo[b]flu... | 12.904 | 2.0 | ng | 200585 | 5 | 13.886 | 1954290 | 20.0 |
| Fluoranthene, 2... | 13.015 | 2.6 | ng | 252583 | 5 | 13.886 | 1954290 | 20.0 |
| Pyrene, 1-methyl- | 13.121 | 2.3 | ng | 221496 | 5 | 13.886 | 1954290 | 20.0 |
| Benzo[b]naphtho... | 13.633 | 2.6 | ng | 258180 | 5 | 13.886 | 1954290 | 20.0 |
| Benz[a]anthrace... | 14.268 | 2.7 | ng | 259525 | 5 | 13.886 | 1954290 | 20.0 |
| Benzo[e]pyrene | 14.998 | 4.5 | ng | 216787 | 6 | 15.304 | 963034 | 20.0 |
| Perylene | 15.186 | 12.4 | ng | 598344 | 6 | 15.304 | 963034 | 20.0 |