LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2803-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131603.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.158 | 6 | 12 | 23 | rVB | 394857 | 488907 | 29.39% | 2.634% |
| 2 | 2.263 | 23 | 30 | 39 | rVB | 31078 | 39500 | 2.37% | 0.213% |
| 3 | 5.104 | 508 | 513 | 522 | rVB | 198661 | 225301 | 13.54% | 1.214% |
| 4 | 5.363 | 554 | 557 | 561 | rVB | 21854 | 20617 | 1.24% | 0.111% |
| 5 | 5.475 | 572 | 576 | 579 | rBV | 55056 | 61874 | 3.72% | 0.333% |
| 6 | 5.516 | 579 | 583 | 586 | rVB | 1484746 | 1331419 | 80.04% | 7.172% |
| 7 | 6.528 | 750 | 755 | 759 | rBV | 1300792 | 1379215 | 82.92% | 7.429% |
| 8 | 6.892 | 813 | 817 | 820 | rBV | 466681 | 358425 | 21.55% | 1.931% |
| 9 | 7.034 | 837 | 841 | 857 | rBV | 270646 | 264917 | 15.93% | 1.427% |
| 10 | 7.457 | 908 | 913 | 916 | rBV | 968287 | 889712 | 53.49% | 4.793% |
| 11 | 8.181 | 1032 | 1036 | 1039 | rBV | 551414 | 449902 | 27.05% | 2.423% |
| 12 | 9.263 | 1215 | 1220 | 1223 | rBV | 2048835 | 1663358 | 100.00% | 8.960% |
| 13 | 9.598 | 1270 | 1277 | 1280 | rBV | 27014 | 25305 | 1.52% | 0.136% |
| 14 | 9.945 | 1331 | 1336 | 1339 | rBV | 613894 | 491158 | 29.53% | 2.646% |
| 15 | 9.981 | 1339 | 1342 | 1345 | rVB | 56044 | 50240 | 3.02% | 0.271% |
| 16 | 10.151 | 1365 | 1371 | 1374 | rVB2 | 29570 | 30361 | 1.83% | 0.164% |
| 17 | 10.498 | 1424 | 1430 | 1435 | rBV | 54833 | 54671 | 3.29% | 0.294% |
| 18 | 10.663 | 1454 | 1458 | 1462 | rVB2 | 25019 | 35939 | 2.16% | 0.194% |
| 19 | 10.739 | 1467 | 1471 | 1474 | rBV | 933257 | 750916 | 45.14% | 4.045% |
| 20 | 11.045 | 1516 | 1523 | 1526 | rBV4 | 25917 | 39360 | 2.37% | 0.212% |
| 21 | 11.245 | 1554 | 1557 | 1560 | rVB | 26946 | 23973 | 1.44% | 0.129% |
| 22 | 11.298 | 1560 | 1566 | 1570 | rVV4 | 20676 | 33689 | 2.03% | 0.181% |
| 23 | 11.339 | 1570 | 1573 | 1579 | rVB | 35163 | 34761 | 2.09% | 0.187% |
| 24 | 11.445 | 1587 | 1591 | 1593 | rBV | 501758 | 474290 | 28.51% | 2.555% |
| 25 | 11.469 | 1593 | 1595 | 1598 | rVV | 619022 | 450627 | 27.09% | 2.427% |
| 26 | 11.516 | 1598 | 1603 | 1606 | rVV | 134803 | 117935 | 7.09% | 0.635% |
| 27 | 11.545 | 1606 | 1608 | 1612 | rVV2 | 29802 | 31132 | 1.87% | 0.168% |
| 28 | 11.675 | 1623 | 1630 | 1637 | rBV2 | 58691 | 72988 | 4.39% | 0.393% |
| 29 | 11.739 | 1637 | 1641 | 1645 | rVV3 | 20358 | 23757 | 1.43% | 0.128% |
| 30 | 11.775 | 1645 | 1647 | 1651 | rVB2 | 33362 | 27948 | 1.68% | 0.151% |
| 31 | 11.945 | 1670 | 1676 | 1678 | rBV | 134981 | 116688 | 7.02% | 0.629% |
| 32 | 11.975 | 1678 | 1681 | 1684 | rVV2 | 189513 | 178863 | 10.75% | 0.963% |
| 33 | 12.004 | 1684 | 1686 | 1692 | rVV2 | 140568 | 161548 | 9.71% | 0.870% |
| 34 | 12.057 | 1692 | 1695 | 1698 | rVV2 | 168149 | 198822 | 11.95% | 1.071% |
| 35 | 12.080 | 1698 | 1699 | 1702 | rVB | 96283 | 55965 | 3.36% | 0.301% |
| 36 | 12.133 | 1704 | 1708 | 1710 | rBV5 | 15278 | 21823 | 1.31% | 0.118% |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.245 | 1724 | 1727 | 1729 | rBV | 73909 | 59660 | 3.59% | 0.321% |
| 38 | 12.269 | 1729 | 1731 | 1734 | rVB | 68322 | 53637 | 3.22% | 0.289% |
| 39 | 12.392 | 1750 | 1752 | 1755 | rVV2 | 31569 | 22457 | 1.35% | 0.121% |
| 40 | 12.422 | 1755 | 1757 | 1759 | rVB | 29581 | 21731 | 1.31% | 0.117% |
| 41 | 12.498 | 1766 | 1770 | 1773 | rBV | 81474 | 87139 | 5.24% | 0.469% |
| 42 | 12.533 | 1773 | 1776 | 1779 | rVV2 | 49068 | 64218 | 3.86% | 0.346% |
| 43 | 12.586 | 1782 | 1785 | 1790 | rBV2 | 54857 | 72757 | 4.37% | 0.392% |
| 44 | 12.663 | 1794 | 1798 | 1802 | rVB | 863211 | 688908 | 41.42% | 3.711% |
| 45 | 12.710 | 1802 | 1806 | 1807 | rBV2 | 20146 | 21575 | 1.30% | 0.116% |
| 46 | 12.792 | 1816 | 1820 | 1822 | rBV3 | 26149 | 32375 | 1.95% | 0.174% |
| 47 | 12.816 | 1822 | 1824 | 1827 | rVB | 29968 | 23975 | 1.44% | 0.129% |
| 48 | 12.898 | 1831 | 1838 | 1841 | rBV | 669048 | 766730 | 46.10% | 4.130% |
| 49 | 13.039 | 1858 | 1862 | 1868 | rVB | 1387933 | 1265984 | 76.11% | 6.819% |
| 50 | 13.110 | 1869 | 1874 | 1878 | rBV2 | 61565 | 100861 | 6.06% | 0.543% |
| 51 | 13.198 | 1886 | 1889 | 1890 | rBV2 | 48540 | 49584 | 2.98% | 0.267% |
| 52 | 13.221 | 1890 | 1893 | 1896 | rVB | 110796 | 111628 | 6.71% | 0.601% |
| 53 | 13.263 | 1896 | 1900 | 1902 | rBV4 | 25443 | 31403 | 1.89% | 0.169% |
| 54 | 13.292 | 1902 | 1905 | 1907 | rVV | 68229 | 58147 | 3.50% | 0.313% |
| 55 | 13.327 | 1907 | 1911 | 1914 | rBV2 | 89373 | 85141 | 5.12% | 0.459% |
| 56 | 13.421 | 1924 | 1927 | 1929 | rBV | 53343 | 46307 | 2.78% | 0.249% |
| 57 | 13.451 | 1929 | 1932 | 1935 | rBV | 62448 | 58047 | 3.49% | 0.313% |
| 58 | 13.627 | 1960 | 1962 | 1968 | rVB6 | 30192 | 43669 | 2.63% | 0.235% |
| 59 | 13.733 | 1977 | 1980 | 1984 | rVB | 67255 | 69371 | 4.17% | 0.374% |
| 60 | 13.845 | 1994 | 1999 | 2002 | rBV2 | 78396 | 123352 | 7.42% | 0.664% |
| 61 | 13.874 | 2002 | 2004 | 2006 | rVV | 77483 | 68858 | 4.14% | 0.371% |
| 62 | 13.898 | 2006 | 2008 | 2012 | rVV2 | 48558 | 66951 | 4.03% | 0.361% |
| 63 | 13.945 | 2012 | 2016 | 2024 | rVB4 | 108235 | 204562 | 12.30% | 1.102% |
| 64 | 14.098 | 2037 | 2042 | 2045 | rBV2 | 504904 | 714991 | 42.98% | 3.851% |
| 65 | 14.121 | 2045 | 2046 | 2052 | rVB | 326536 | 290452 | 17.46% | 1.565% |
| 66 | 14.198 | 2054 | 2059 | 2063 | rBV3 | 75299 | 102398 | 6.16% | 0.552% |
| 67 | 14.257 | 2065 | 2069 | 2071 | rBV3 | 22158 | 33237 | 2.00% | 0.179% |
| 68 | 14.357 | 2083 | 2086 | 2088 | rBV4 | 26348 | 27049 | 1.63% | 0.146% |
| 69 | 14.486 | 2105 | 2108 | 2111 | rVB | 93213 | 93208 | 5.60% | 0.502% |
| 70 | 14.521 | 2111 | 2114 | 2117 | rVB | 52150 | 47325 | 2.85% | 0.255% |
| 71 | 14.563 | 2118 | 2121 | 2122 | rBV3 | 26328 | 25805 | 1.55% | 0.139% |
| 72 | 14.610 | 2127 | 2129 | 2131 | rVV | 45915 | 43776 | 2.63% | 0.236% |
| 73 | 14.633 | 2131 | 2133 | 2137 | rVB3 | 38071 | 32740 | 1.97% | 0.176% |
| 74 | 14.804 | 2158 | 2162 | 2164 | rBV3 | 27221 | 37147 | 2.23% | 0.200% |
| 75 | 14.886 | 2173 | 2176 | 2179 | rBV4 | 25776 | 26356 | 1.58% | 0.142% |
| 76 | 15.163 | 2218 | 2223 | 2226 | rBV | 288420 | 427298 | 25.69% | 2.302% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 15.239 | 2234 | 2236 | 2239 | rVB2 | 27063 | 22294 | 1.34% | 0.120% |
| 78 | 15.274 | 2239 | 2242 | 2245 | rBV | 50335 | 55579 | 3.34% | 0.299% |
| 79 | 15.480 | 2272 | 2277 | 2283 | rVB | 171958 | 242193 | 14.56% | 1.305% |
| 80 | 15.545 | 2283 | 2288 | 2294 | rVB | 252910 | 319092 | 19.18% | 1.719% |
| 81 | 15.610 | 2294 | 2299 | 2303 | rBV | 294950 | 403019 | 24.23% | 2.171% |
| 82 | 15.645 | 2303 | 2305 | 2311 | rVB2 | 75905 | 96625 | 5.81% | 0.520% |
| 83 | 16.104 | 2380 | 2383 | 2388 | rVB7 | 18494 | 30104 | 1.81% | 0.162% |
| 84 | 16.198 | 2395 | 2399 | 2411 | rVB7 | 34156 | 86709 | 5.21% | 0.467% |
| 85 | 17.139 | 2553 | 2559 | 2569 | rVB2 | 105870 | 224994 | 13.53% | 1.212% |
| 86 | 17.327 | 2587 | 2591 | 2596 | rBV2 | 23209 | 44918 | 2.70% | 0.242% |
| 87 | 17.604 | 2632 | 2638 | 2646 | rBV | 76853 | 162069 | 9.74% | 0.873% |

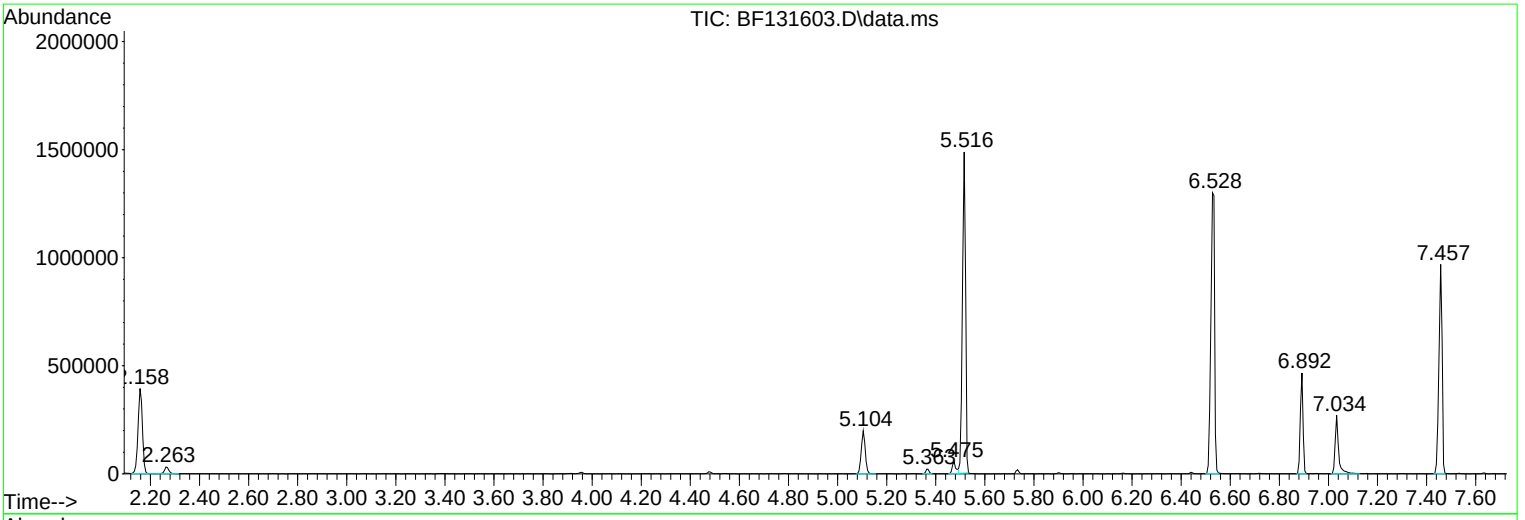
Sum of corrected areas: 18564311

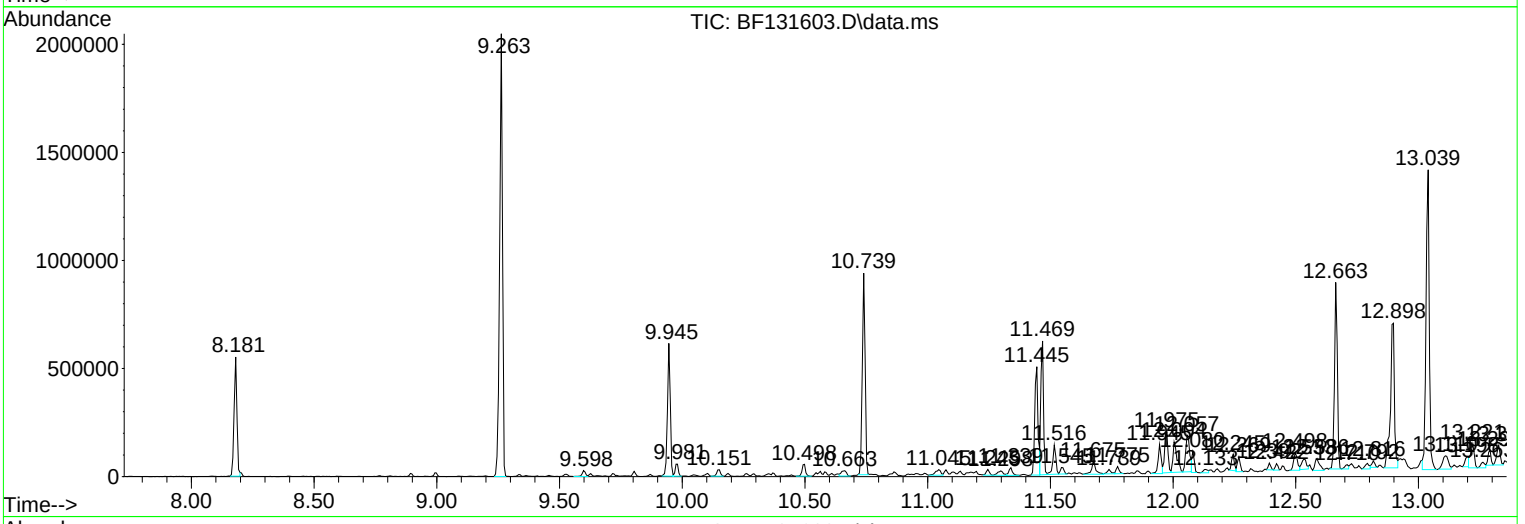
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

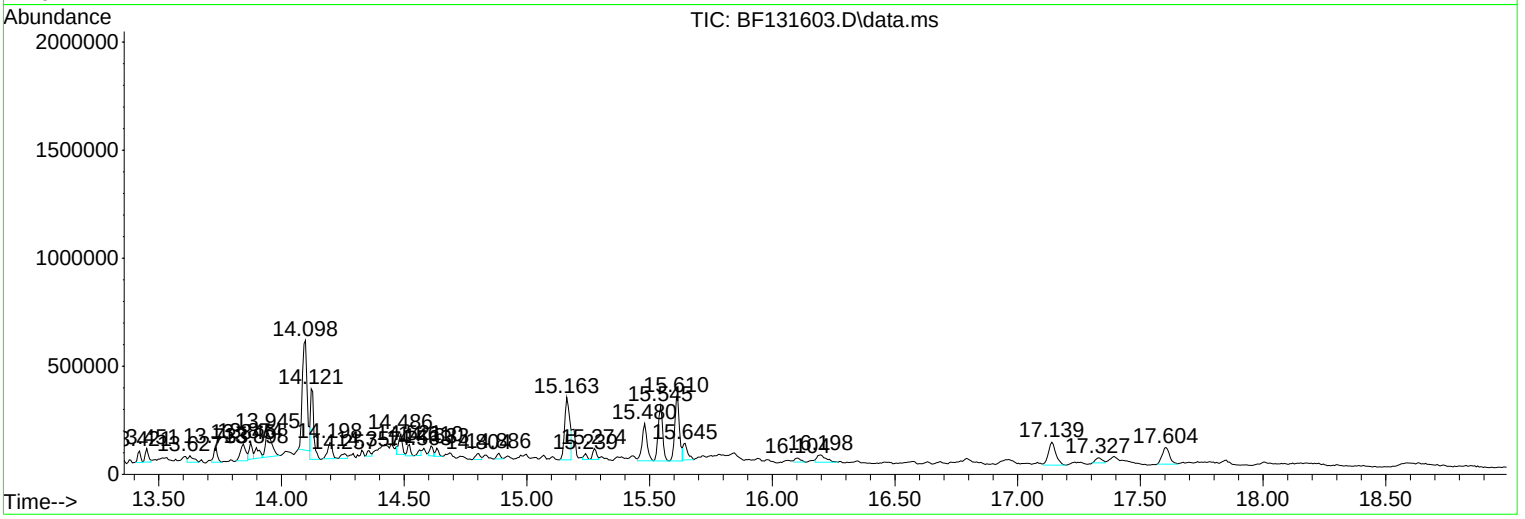
**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.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\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

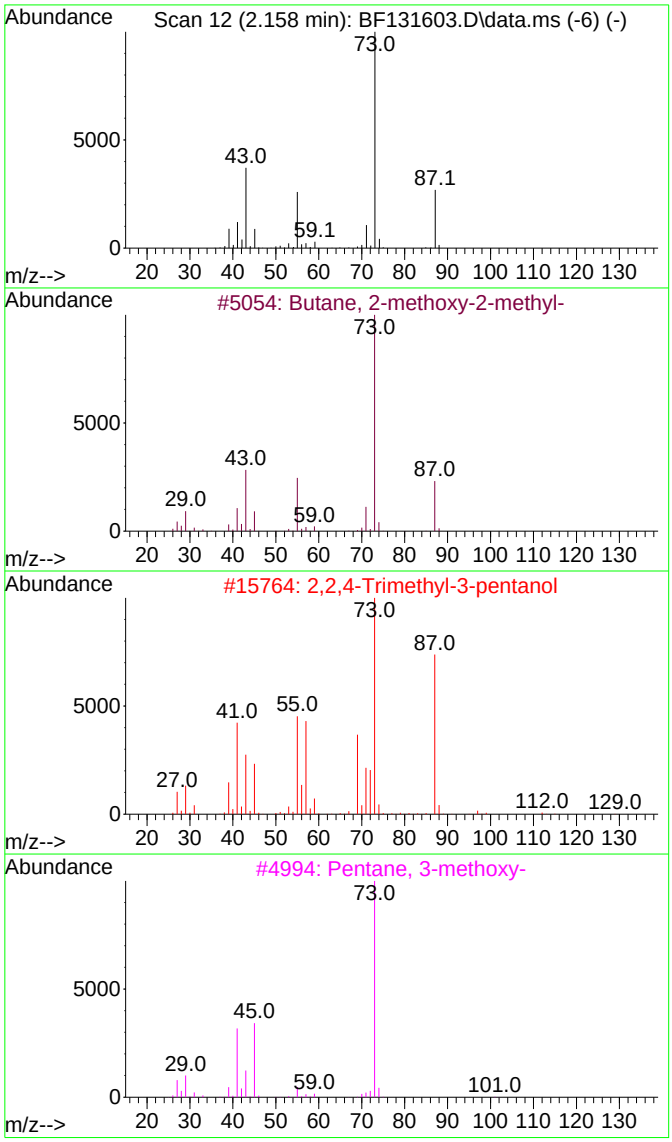
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

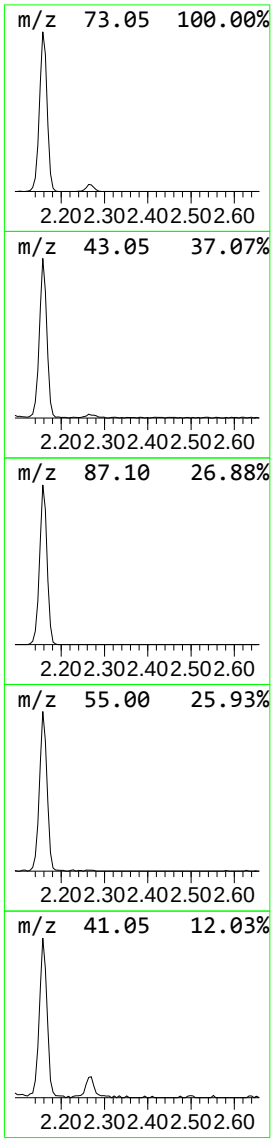
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.158 | 27.28 ng | 488907 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 17 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

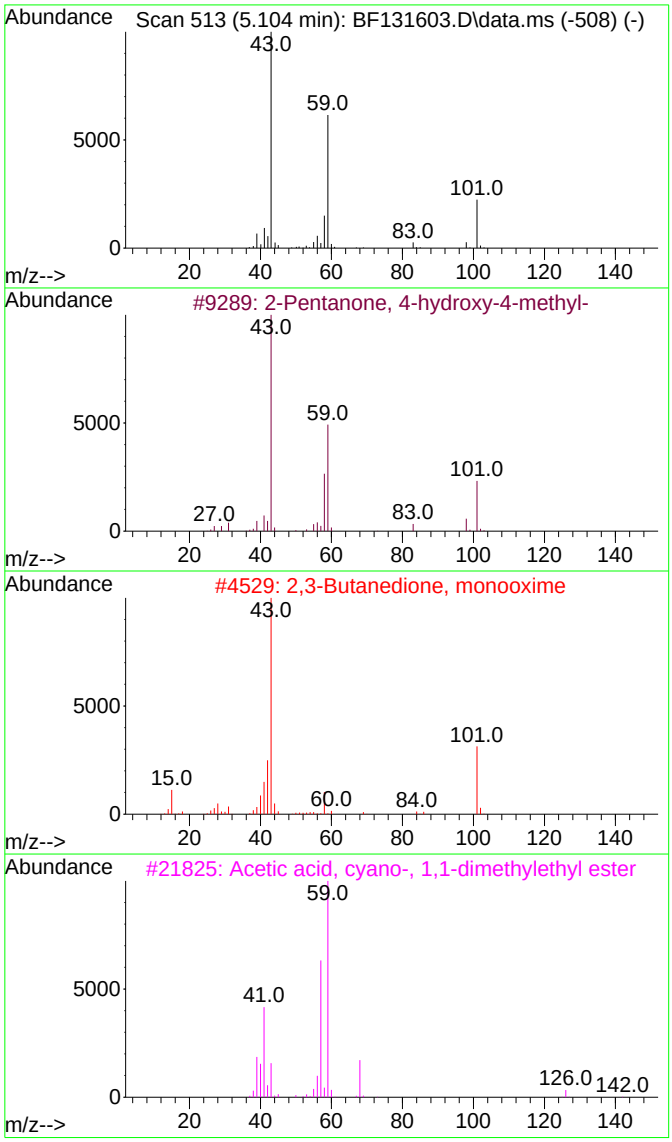
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

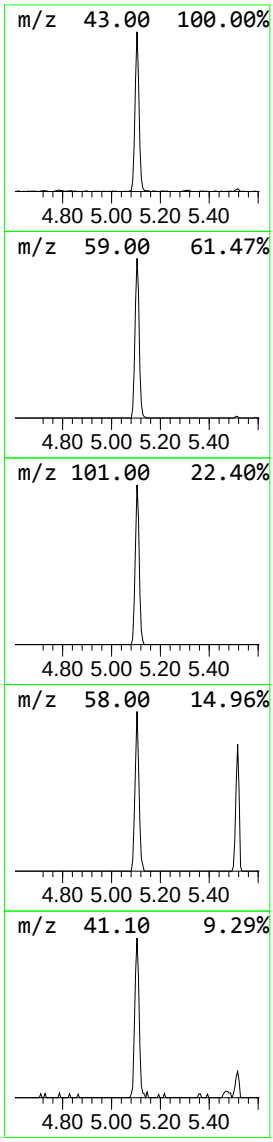
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.104 | 12.57 ng | 225301 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 25 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 4 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

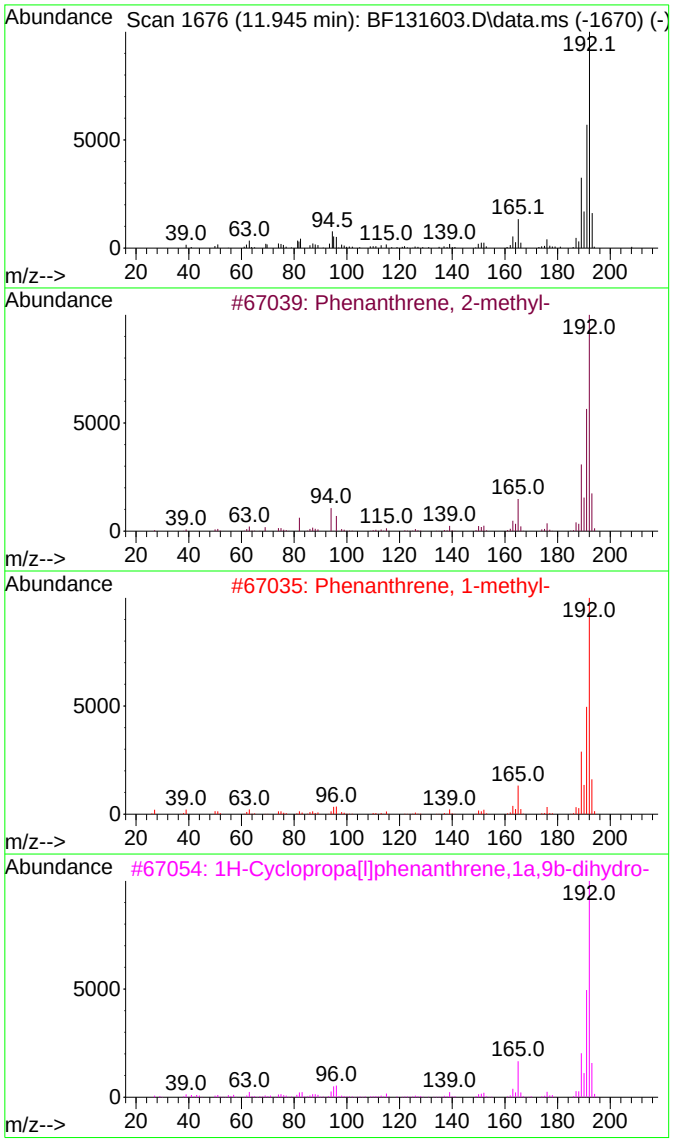
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

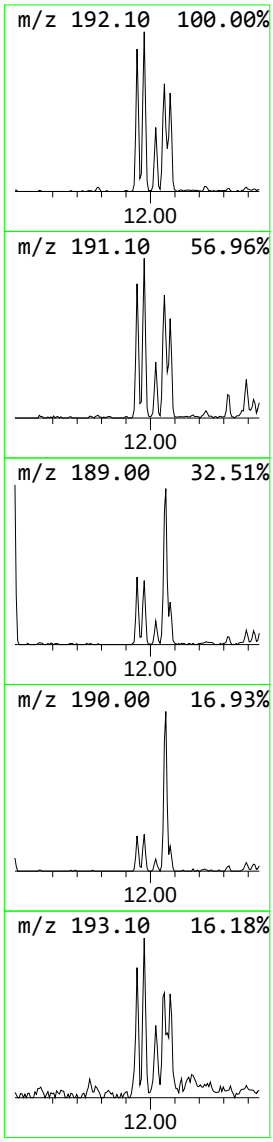
**********

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.945 | 4.92 ng | 116688 | Phenanthrene-d10 | 11.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

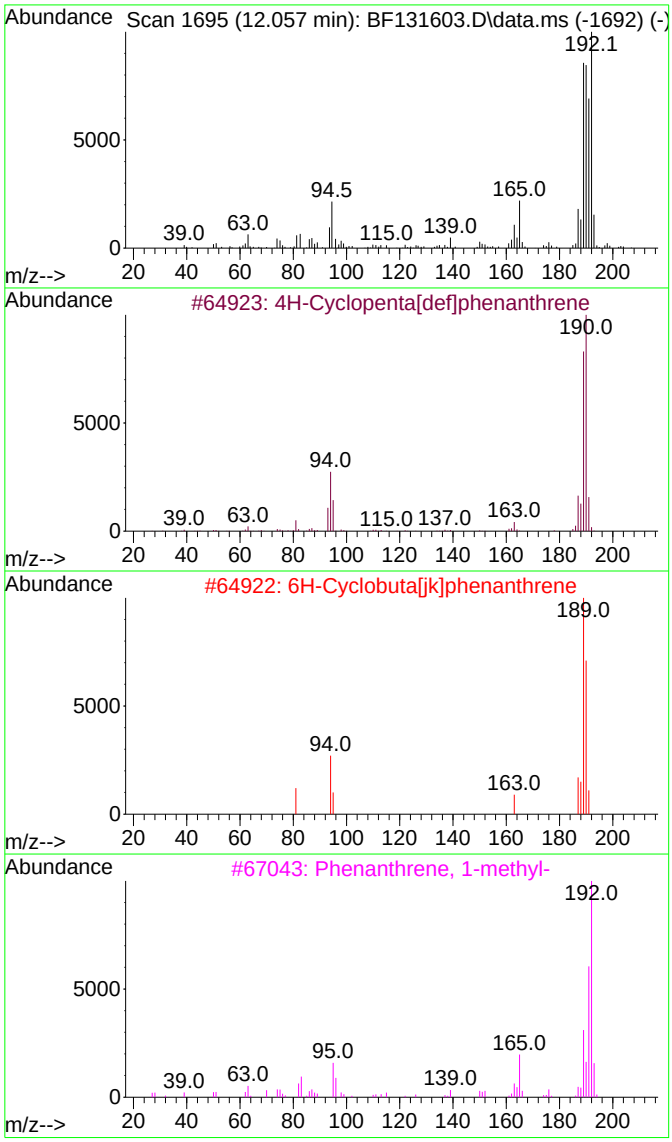
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

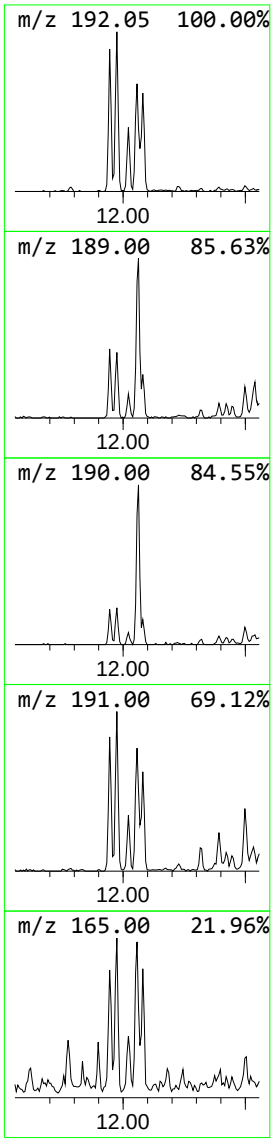
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.057 | 8.38 ng | 198822 | Phenanthrene-d10 | 11.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 60 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 49 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 46 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 46 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

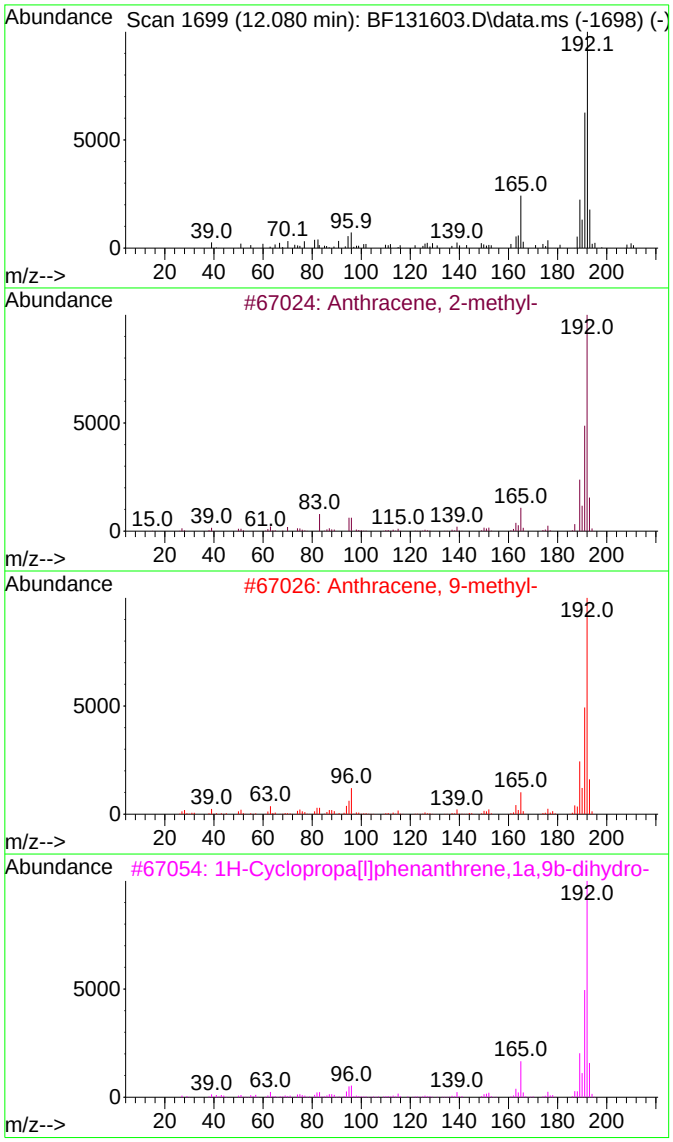
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

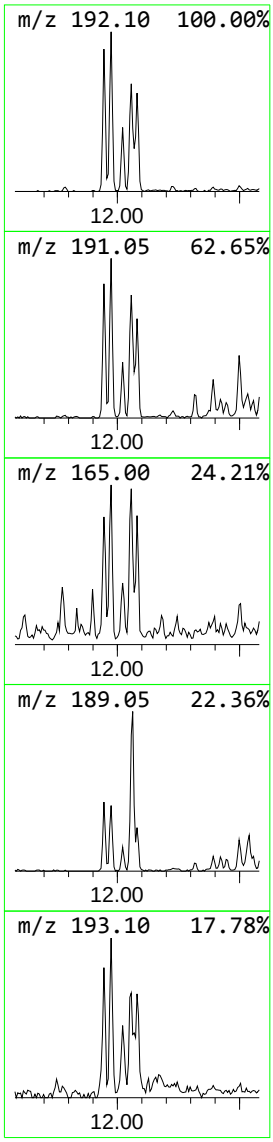
**********

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.080 | 2.36 ng | 55965 | Phenanthrene-d10 | 11.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 90 |
| 5 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 87 |



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Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

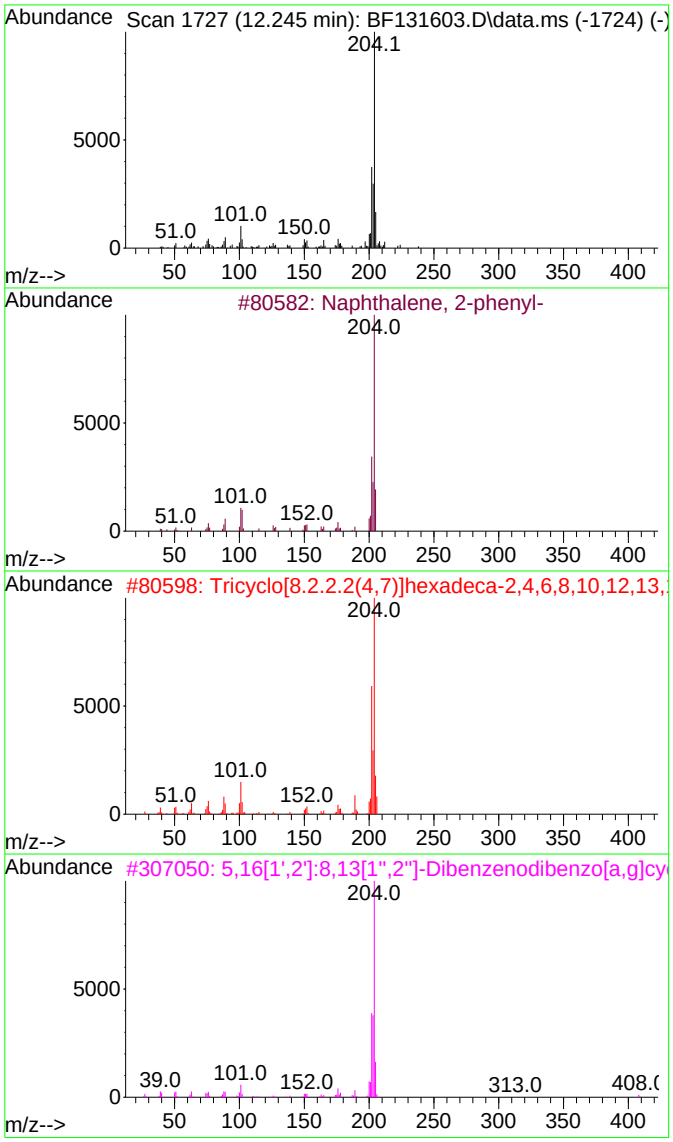
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

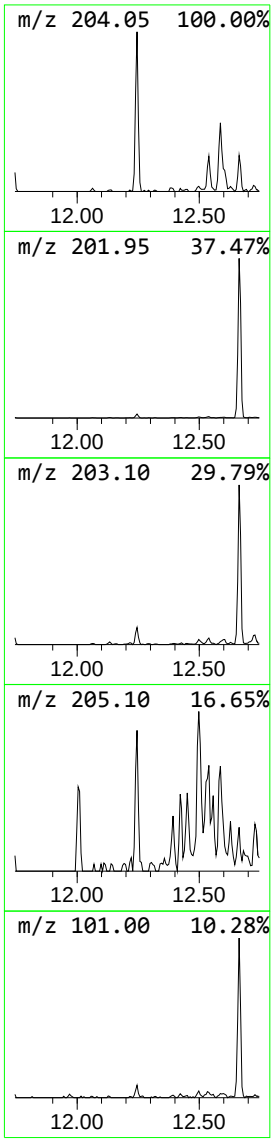
**********

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.245 | 2.52 ng | 59660 | Phenanthrene-d10 | 11.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 93 |
| 2 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 89 |
| 3 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 4 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 53 |
| 5 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 52 |



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Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

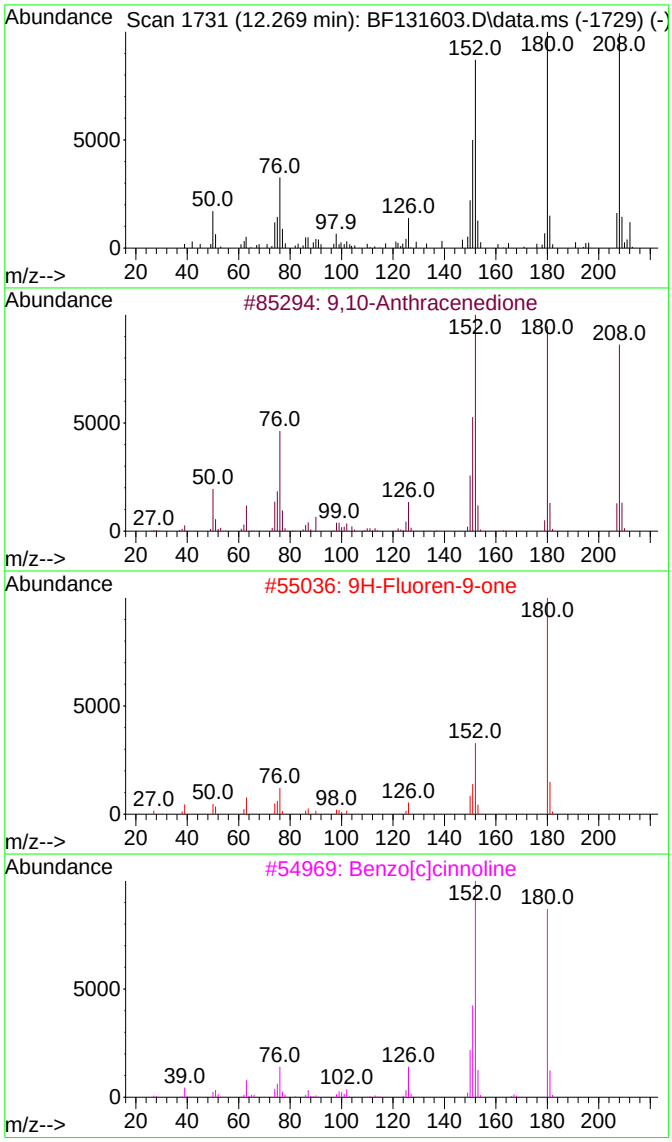
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

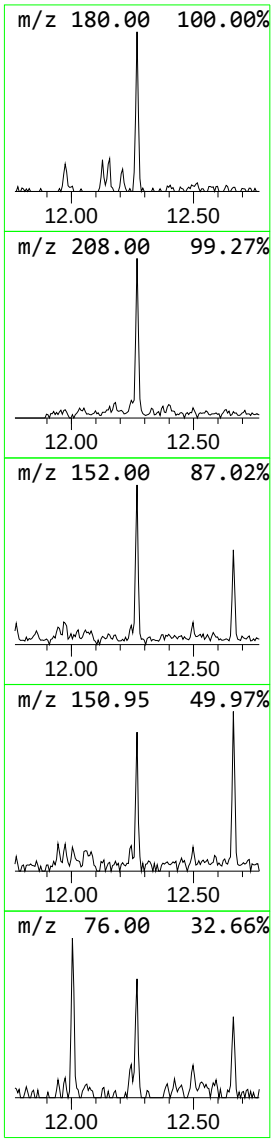
**********

Peak Number 7 9,10-Anthracenedione Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.269 | 2.26 ng | 53637 | Phenanthrene-d10 | 11.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 98 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 83 |
| 3 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 70 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 60 |
| 5 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 60 |



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Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

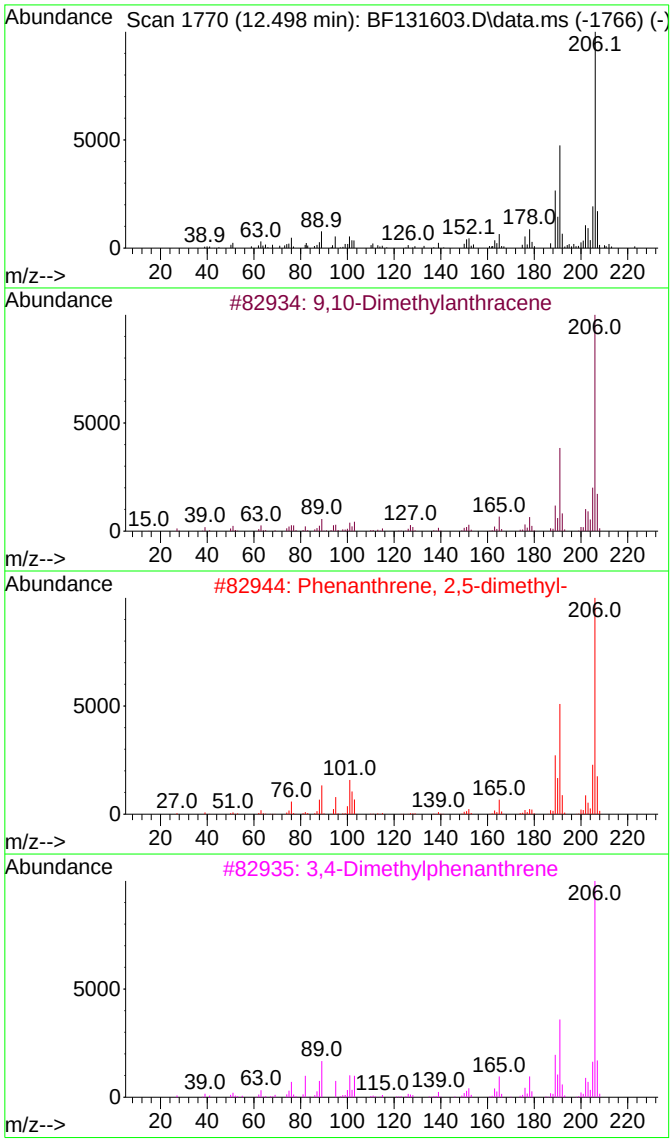
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

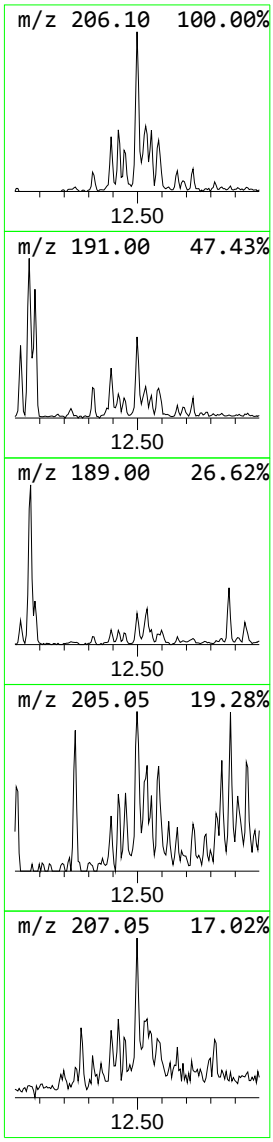
**********

Peak Number 8 9,10-Dimethylanthracene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.498 | 3.67 ng | 87139 | Phenanthrene-d10 | 11.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 94 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 3 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 93 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 87 |
| 5 | 1H-Indene, 2-methyl-3-phenyl- | 206 | C16H14 | 035099-60-6 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
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Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

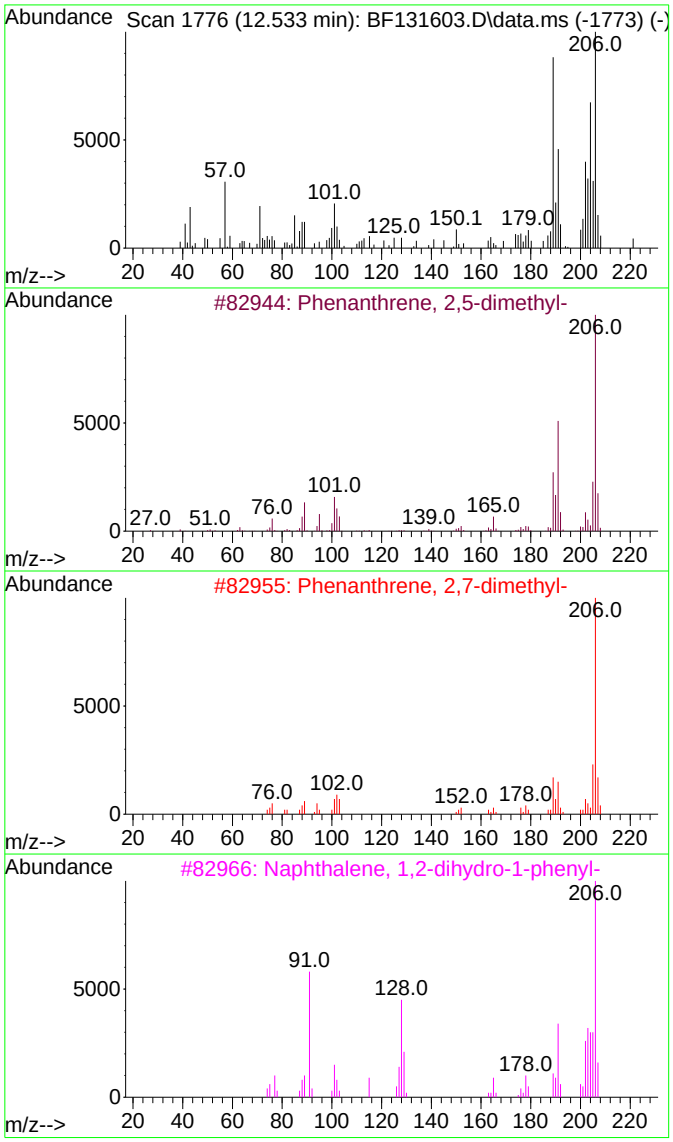
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

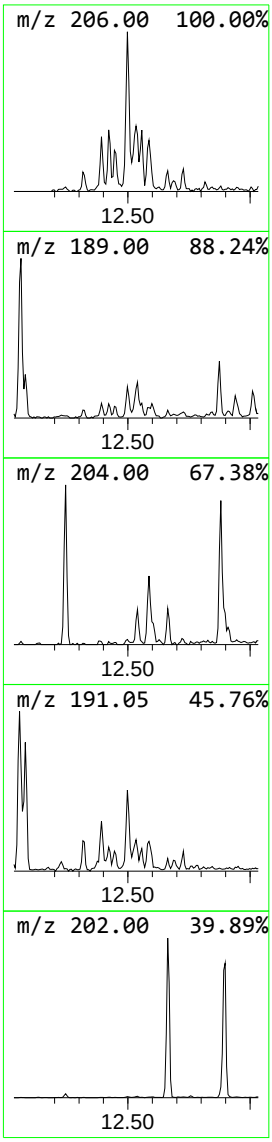
**********

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.533 | 2.71 ng | 64218 | Phenanthrene-d10 | 11.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 55 |
| 2 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 53 |
| 3 | Naphthalene, 1,2-dihydro-1-phenyl- | 206 | C16H14 | 016606-46-5 | 50 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 49 |
| 5 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 43 |



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Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

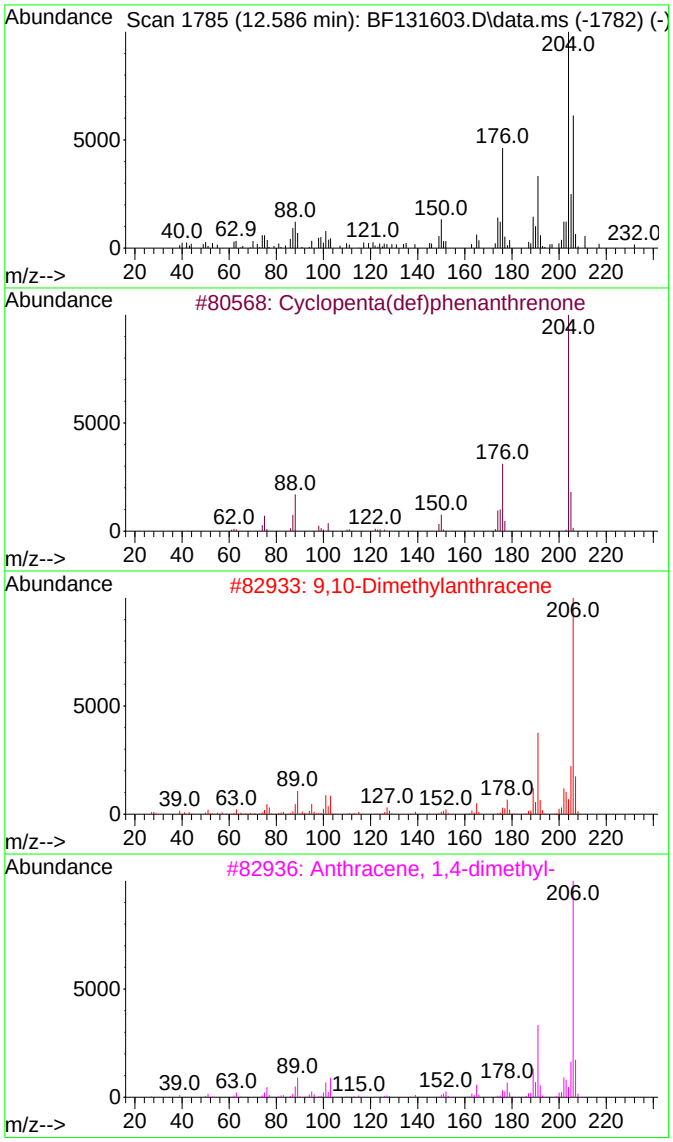
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

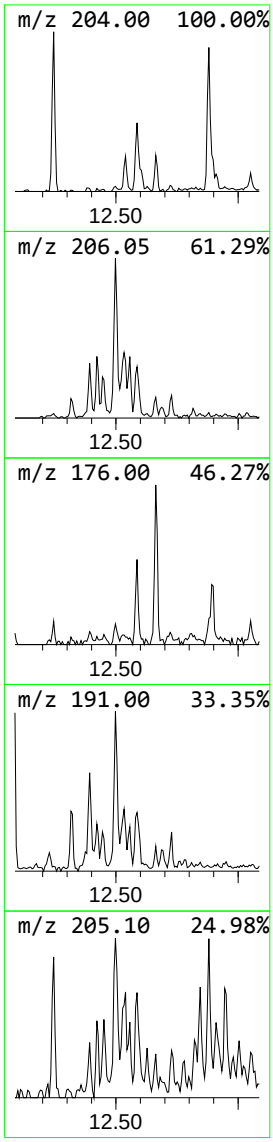
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.586 | 3.07 ng | 72757 | Phenanthrene-d10 | 11.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 70 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 46 |
| 3 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 42 |
| 4 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 38 |
| 5 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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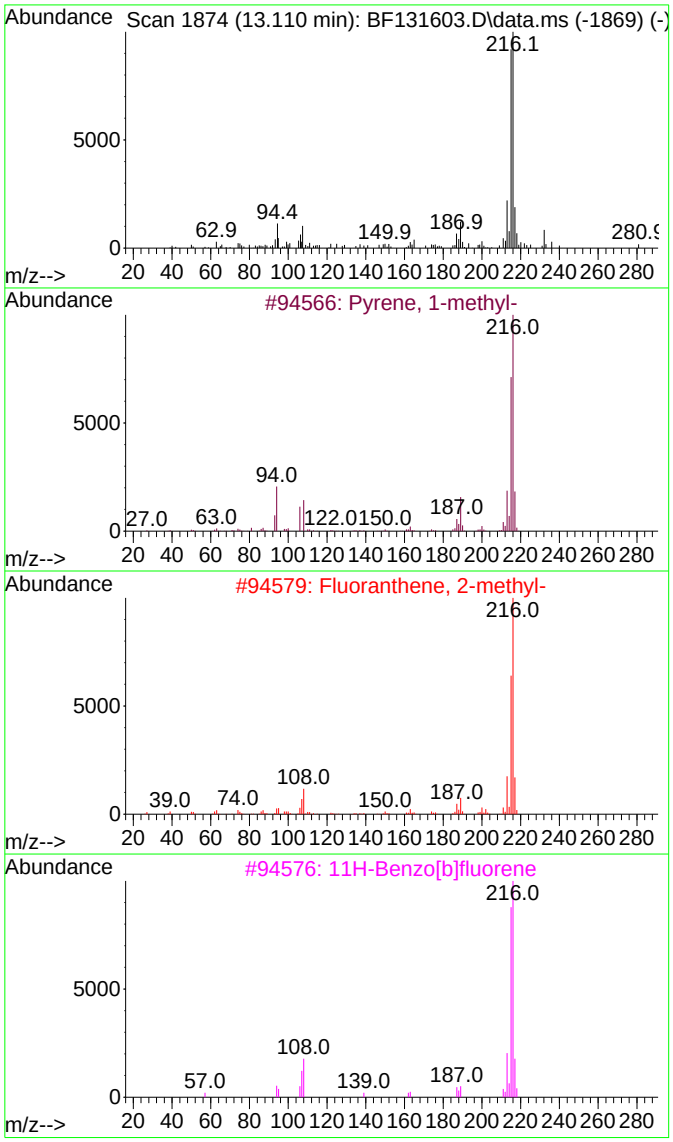
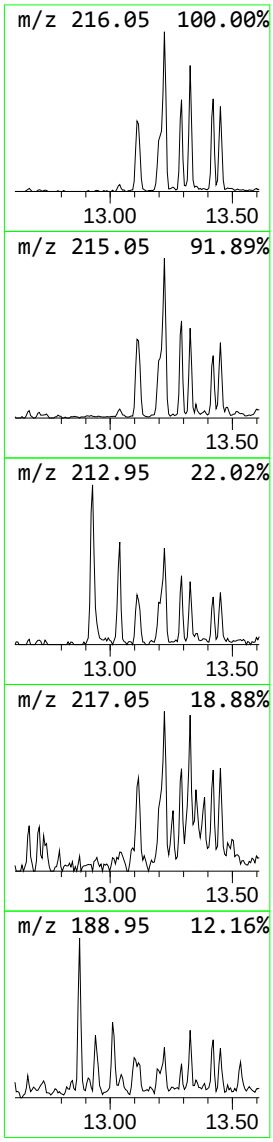
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.110 | 2.82 ng | 100861 | Chrysene-d12 | 14.098 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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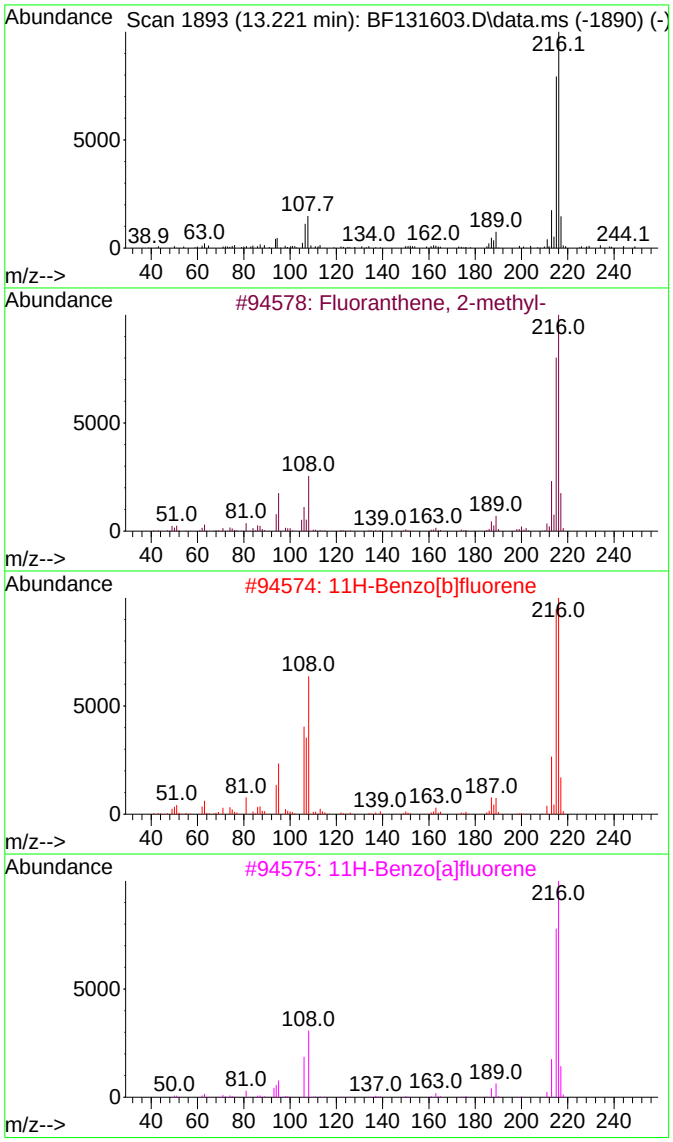
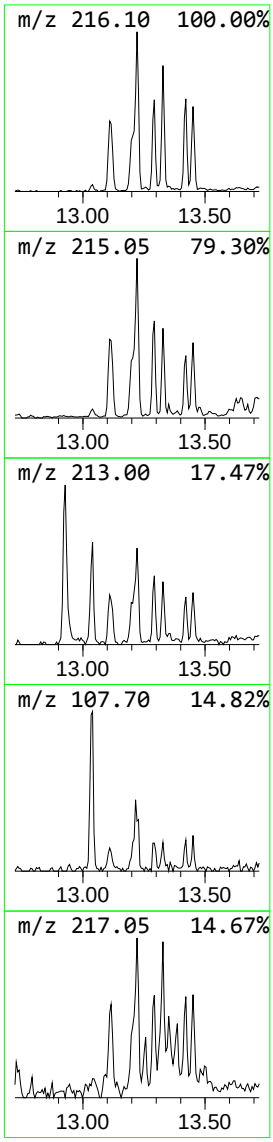
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.222 | 3.12 ng | 111628 | Chrysene-d12 | 14.098 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |
| 4 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 87 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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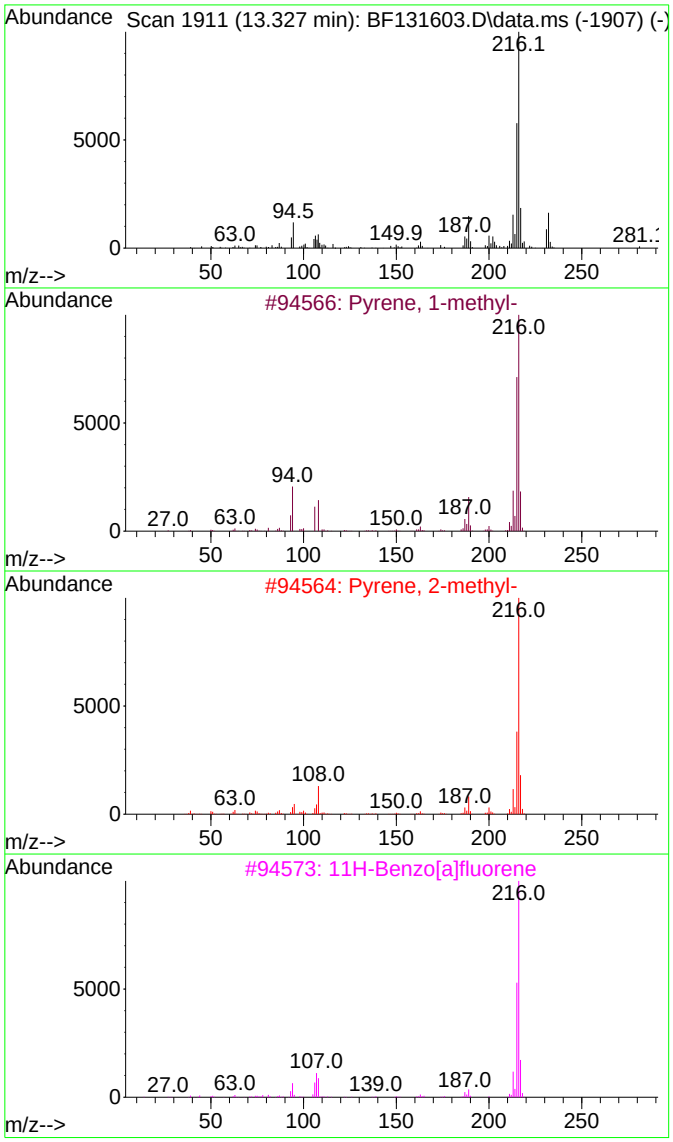
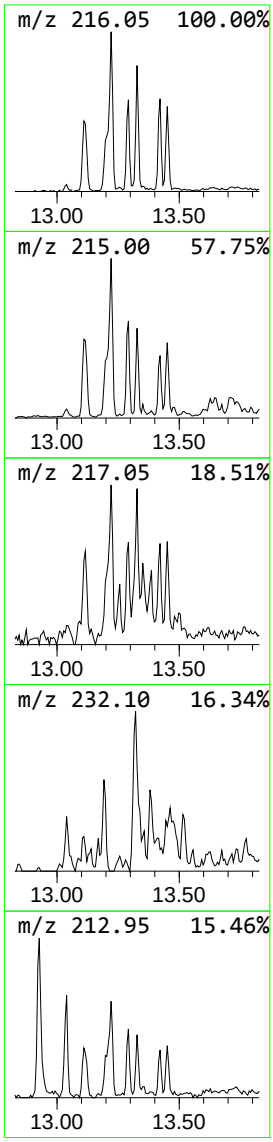
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.327 | 2.38 ng | 85141 | Chrysene-d12 | 14.098 |

| 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 | 93 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 4 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 89 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

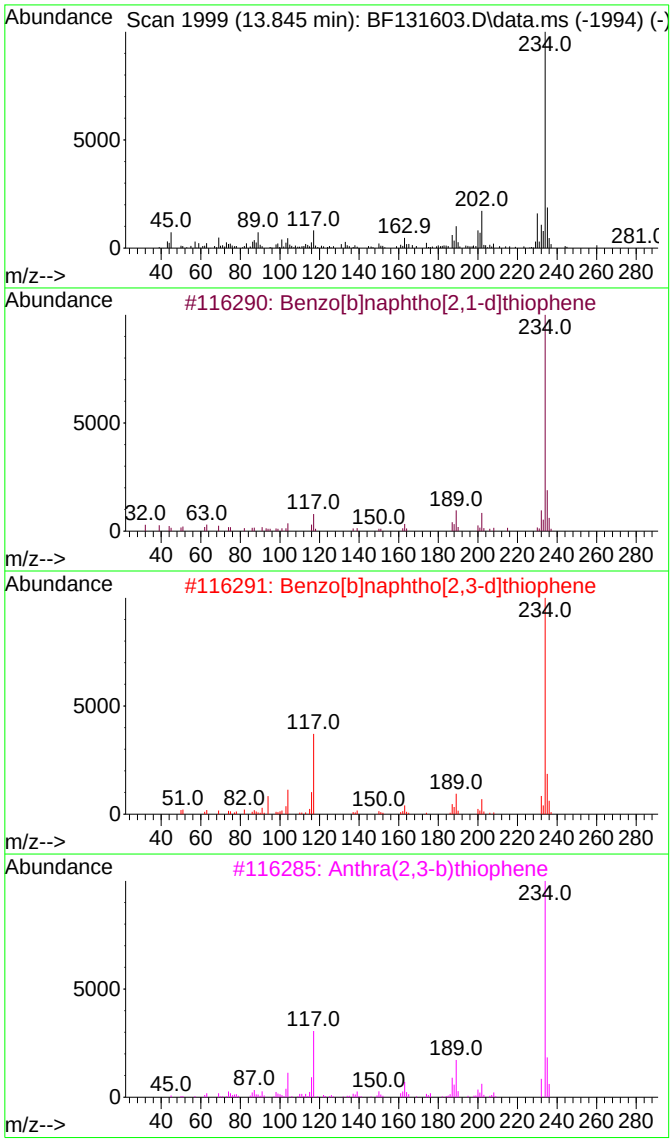
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

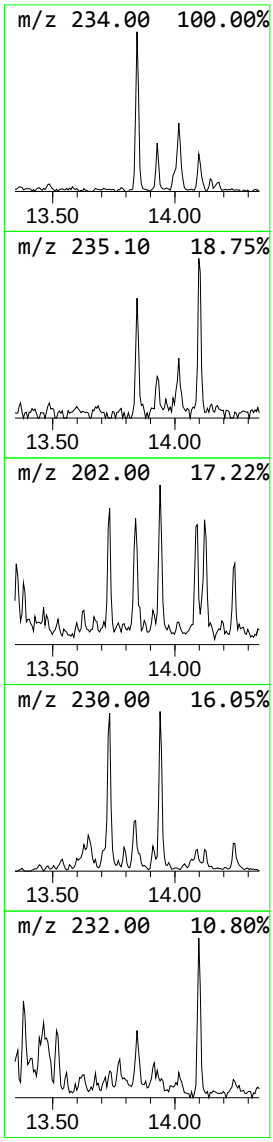
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.845 | 3.45 ng | 123352 | Chrysene-d12 | 14.098 |

| 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 | 87 |
| 3 | Anthra(2,3-b)thiophene | 234 | C16H10S | 022108-55-0 | 87 |
| 4 | Benzo[b]naphtho[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 72 |
| 5 | Quinoxalino[2,3-b]quinoxaline, 5... | 234 | C14H10N4 | 000531-46-4 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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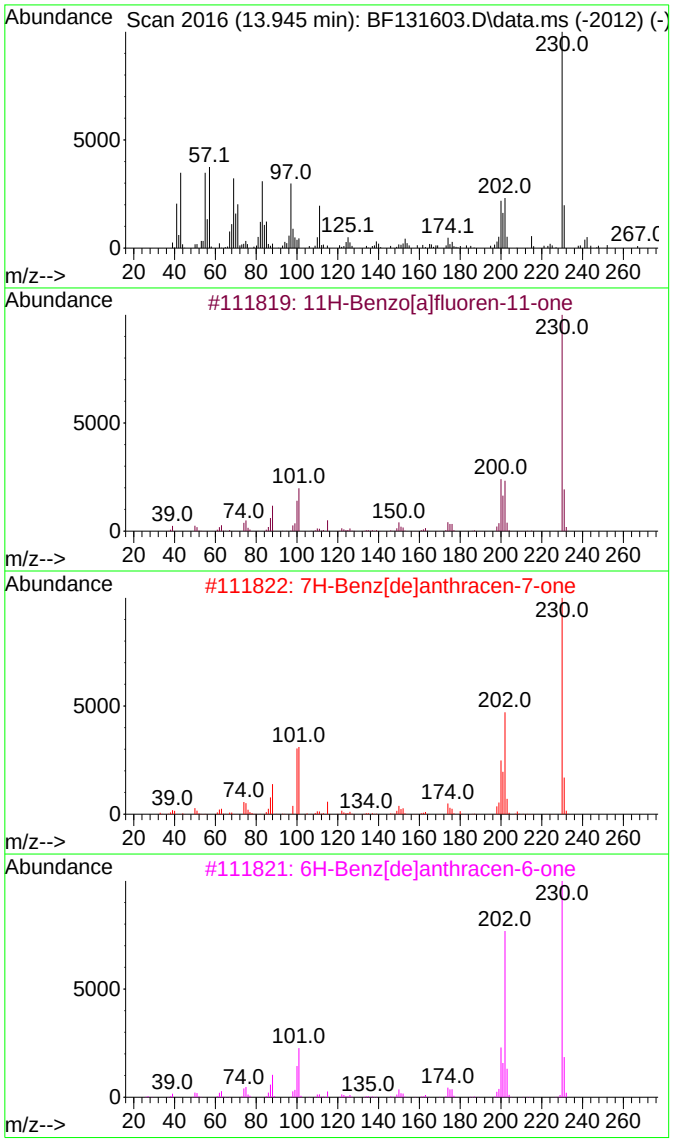
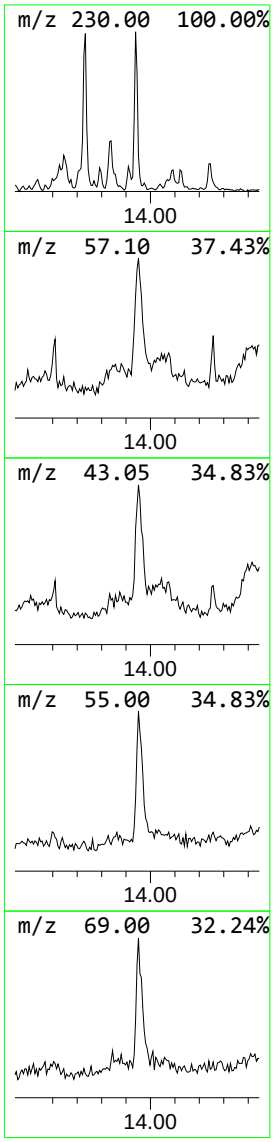
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.945 | 5.72 ng | 204562 | Chrysene-d12 | 14.098 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 83 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 53 |
| 3 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 49 |
| 4 | 4-Pyrenecarbaldehyde | 230 | C17H10O | 022245-51-8 | 47 |
| 5 | o-Terphenyl | 230 | C18H14 | 000084-15-1 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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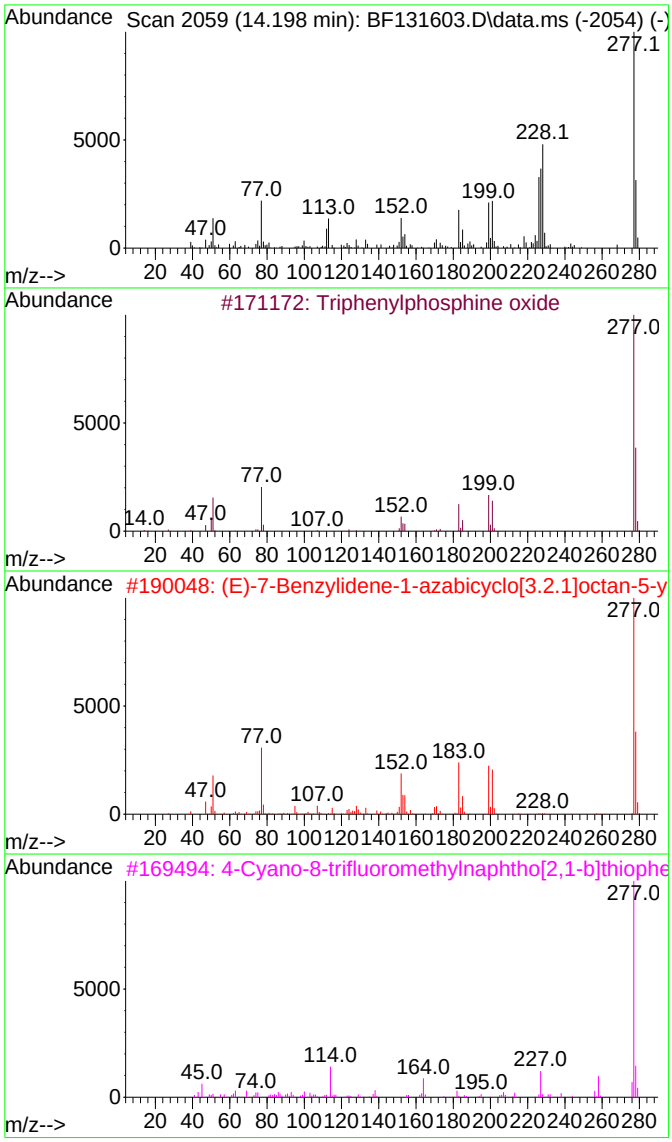
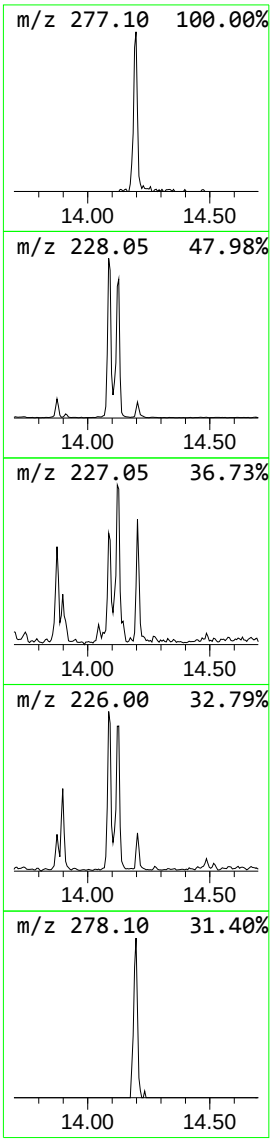
Peak Number 16 Triphenylphosphine oxide Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.198 | 2.86 ng | 102398 | Chrysene-d12 | 14.098 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylphosphine oxide | 278 | C18H15OP | 000791-28-6 | 97 |
| 2 | (E)-7-Benzylidene-1-azabicyclo[3... | 293 | C15H19NO3S | 1000483-83-4 | 49 |
| 3 | 4-Cyano-8-trifluoromethylnaphtho... | 277 | C14H6F3NS | 037094-50-1 | 35 |
| 4 | Formaldehyde, (triphenylphosphor... | 304 | C19H17N2P | 015990-54-2 | 32 |
| 5 | Vanadium, cycloheptatrienyl-(pen... | 277 | C17H22V | 1000155-20-5 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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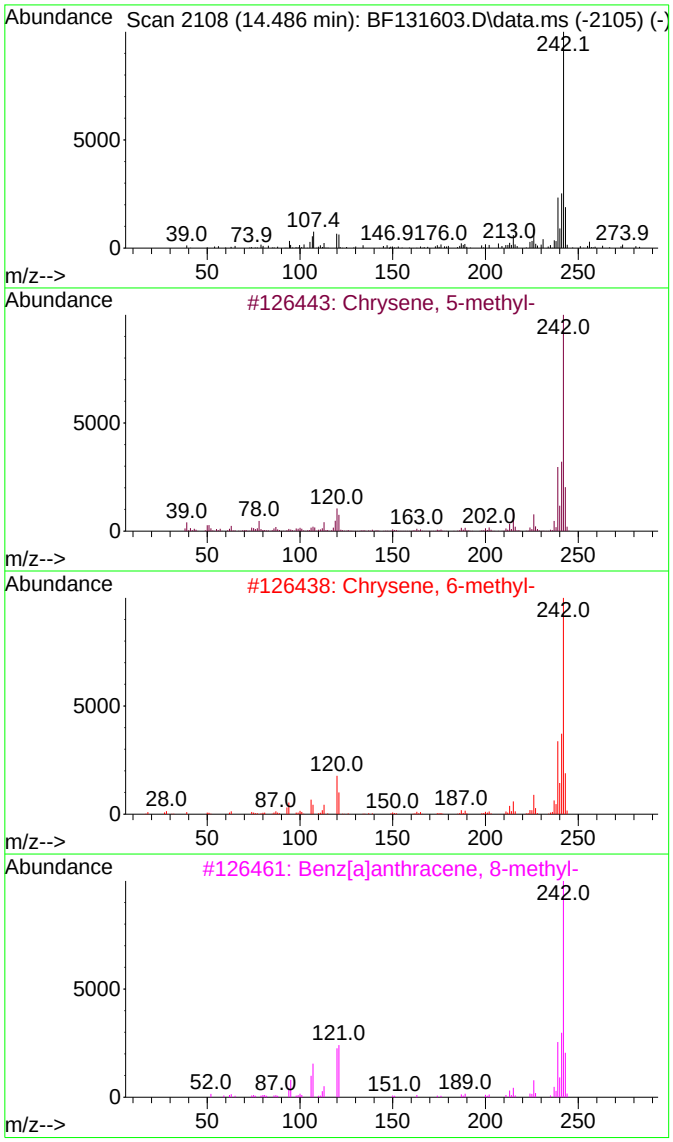
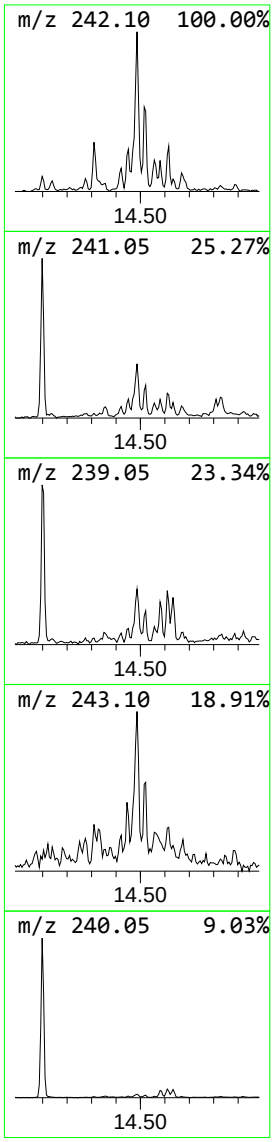
Peak Number 17 Chrysene, 5-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.486 | 2.61 ng | 93208 | Chrysene-d12 | 14.098 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chrysene, 5-methyl- | 242 | C19H14 | 003697-24-3 | 95 |
| 2 | Chrysene, 6-methyl- | 242 | C19H14 | 001705-85-7 | 93 |
| 3 | Benz[a]anthracene, 8-methyl- | 242 | C19H14 | 002381-31-9 | 93 |
| 4 | Triphenylene, 2-methyl- | 242 | C19H14 | 001705-84-6 | 89 |
| 5 | Chrysene, 1-methyl- | 242 | C19H14 | 003351-28-8 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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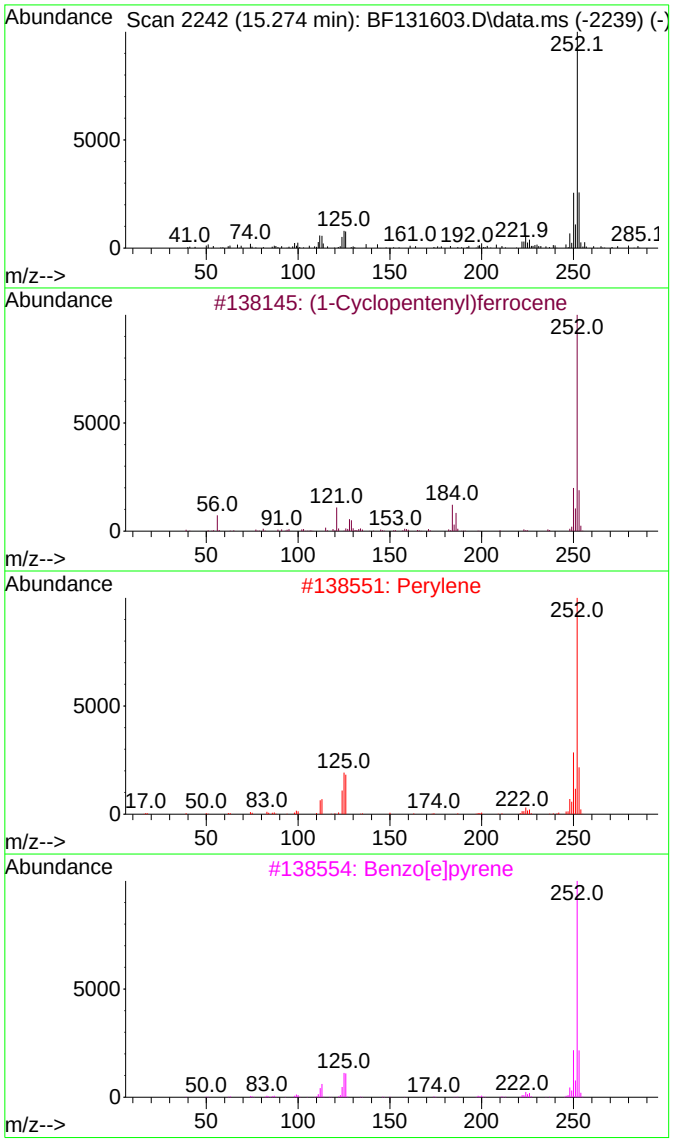
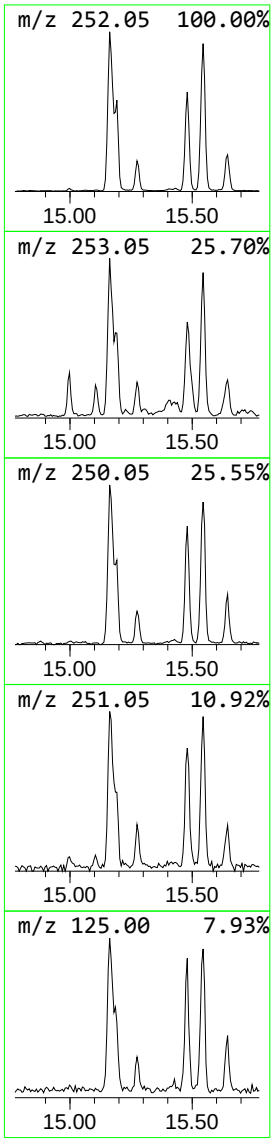
Peak Number 18 (1-Cyclopentenyl)ferrocene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.274 | 2.76 ng | 55579 | Perylene-d12 | 15.610 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (1-Cyclopentenyl)ferrocene | 252 | C15H16Fe | 012260-67-2 | 86 |
| 2 | Perylene | 252 | C20H12 | 000198-55-0 | 81 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 81 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 76 |
| 5 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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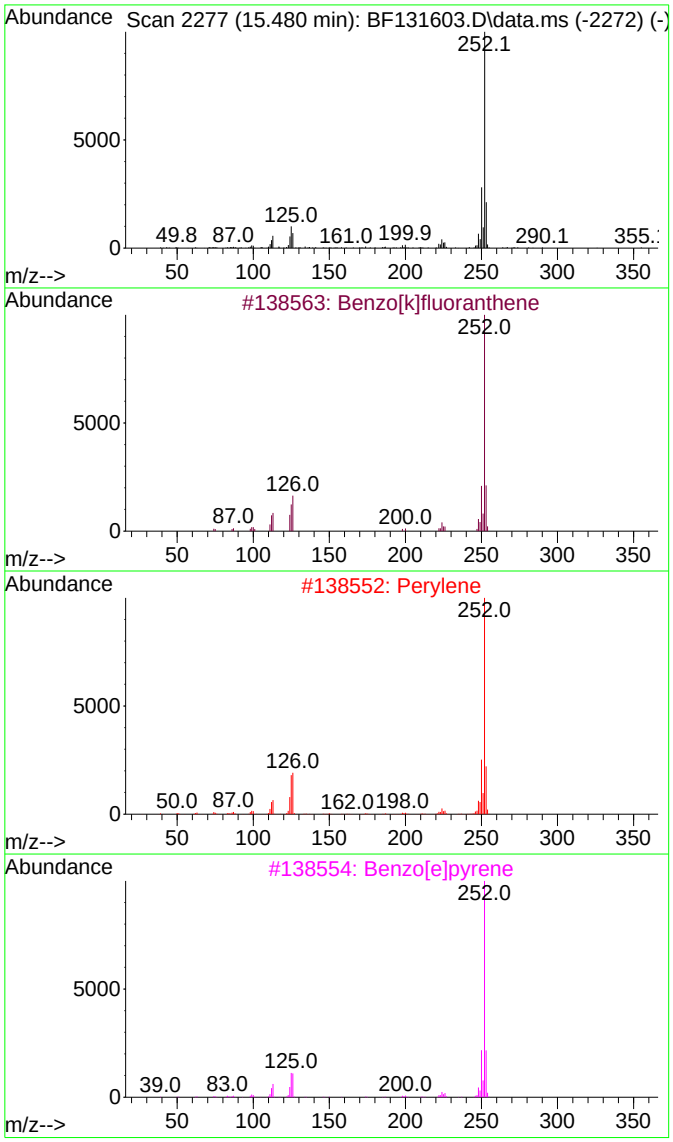
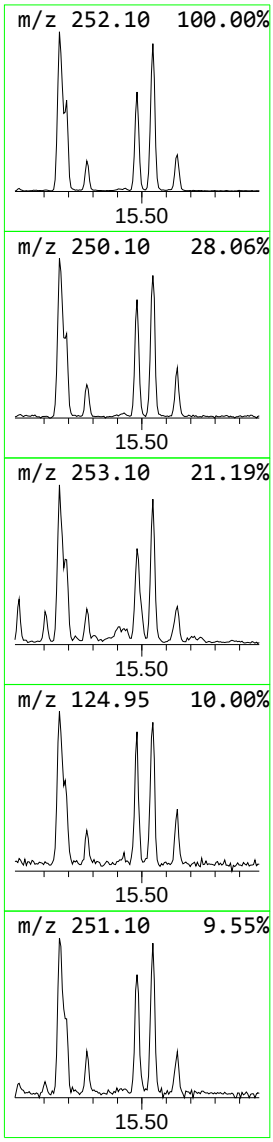
Peak Number 19 Perylene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.480 | 12.02 ng | 242193 | Perylene-d12 | 15.610 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 2 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 91 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 91 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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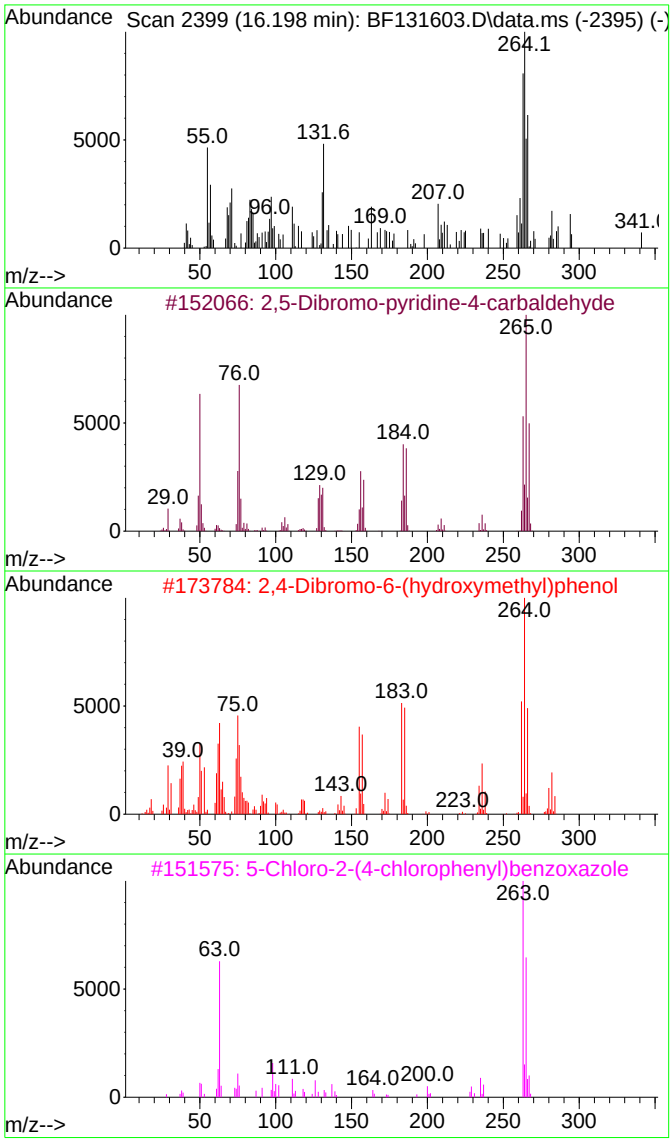
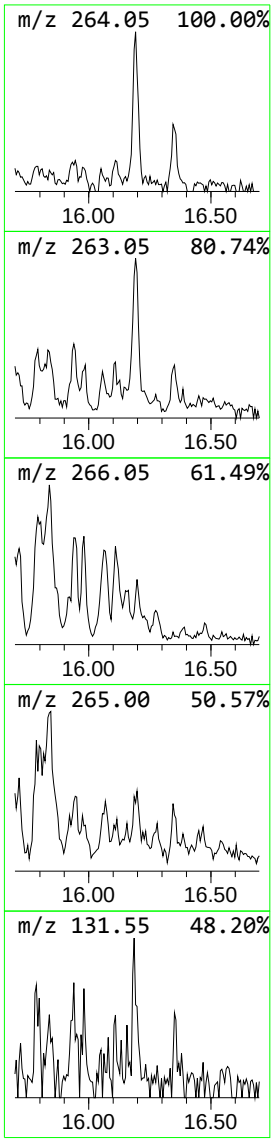
Peak Number 20 unknown16.198 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.198 | 4.30 ng | 86709 | Perylene-d12 | 15.610 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,5-Dibromo-pyridine-4-carbaldehyde | 263 | C6H3Br2NO | 959244-28-1 | 49 |
| 2 | 2,4-Dibromo-6-(hydroxymethyl)phenol | 280 | C7H6Br2O2 | 002183-54-2 | 30 |
| 3 | 5-Chloro-2-(4-chlorophenyl)benzo... | 263 | C13H7Cl2NO | 000955-77-1 | 25 |
| 4 | 2,3-Dichlorophenazine 5-oxide | 264 | C12H6Cl2N2O | 053601-83-5 | 22 |
| 5 | 5,6-Dichloro-3-phenyl-benzo[c]is... | 263 | C13H7Cl2NO | 000837-57-0 | 22 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
Data File : BF131603.D
Acq On : 12 Dec 2022 20:47
Operator : CG\JU
Sample : N5997-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
2803-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.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 |
| Butane, 2-metho... | 2.158 | 27.3 | ng | 488907 | 1 | 6.892 | 358425 | 20.0 |
| 2-Pentanone, 4-... | 5.104 | 12.6 | ng | 225301 | 1 | 6.892 | 358425 | 20.0 |
| Phenanthrene, 2... | 11.945 | 4.9 | ng | 116688 | 4 | 11.445 | 474290 | 20.0 |
| 4H-Cyclopenta[d... | 12.057 | 8.4 | ng | 198822 | 4 | 11.445 | 474290 | 20.0 |
| Anthracene, 2-m... | 12.080 | 2.4 | ng | 55965 | 4 | 11.445 | 474290 | 20.0 |
| Naphthalene, 2-... | 12.245 | 2.5 | ng | 59660 | 4 | 11.445 | 474290 | 20.0 |
| 9,10-Anthracene... | 12.269 | 2.3 | ng | 53637 | 4 | 11.445 | 474290 | 20.0 |
| 9,10-Dimethylan... | 12.498 | 3.7 | ng | 87139 | 4 | 11.445 | 474290 | 20.0 |
| Phenanthrene, 2... | 12.533 | 2.7 | ng | 64218 | 4 | 11.445 | 474290 | 20.0 |
| Cyclopenta(def)... | 12.586 | 3.1 | ng | 72757 | 4 | 11.445 | 474290 | 20.0 |
| Pyrene, 1-methyl- | 13.110 | 2.8 | ng | 100861 | 5 | 14.098 | 714991 | 20.0 |
| Fluoranthene, 2... | 13.222 | 3.1 | ng | 111628 | 5 | 14.098 | 714991 | 20.0 |
| Pyrene, 2-methyl- | 13.327 | 2.4 | ng | 85141 | 5 | 14.098 | 714991 | 20.0 |
| Benzo[b]naphtho... | 13.845 | 3.5 | ng | 123352 | 5 | 14.098 | 714991 | 20.0 |
| 11H-Benzo[a]flu... | 13.945 | 5.7 | ng | 204562 | 5 | 14.098 | 714991 | 20.0 |
| Triphenylphosph... | 14.198 | 2.9 | ng | 102398 | 5 | 14.098 | 714991 | 20.0 |
| Chrysene, 5-met... | 14.486 | 2.6 | ng | 93208 | 5 | 14.098 | 714991 | 20.0 |
| (1-Cyclopenteny... | 15.274 | 2.8 | ng | 55579 | 6 | 15.610 | 403019 | 20.0 |
| Perylene | 15.480 | 12.0 | ng | 242193 | 6 | 15.610 | 403019 | 20.0 |
| unknown16.198 | 16.198 | 4.3 | ng | 86709 | 6 | 15.610 | 403019 | 20.0 |