LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ROUTE-4-TP-4

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-BF122023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136741.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.157 | 7 | 12 | 19 | rBV | 14831 | 21120 | 1.90% | 0.208% |
| 2 | 5.016 | 495 | 498 | 503 | rBV | 27270 | 28437 | 2.56% | 0.281% |
| 3 | 5.428 | 564 | 568 | 582 | rVB | 1125445 | 1109868 | 100.00% | 10.954% |
| 4 | 6.428 | 734 | 738 | 741 | rBV | 1220674 | 1034876 | 93.24% | 10.214% |
| 5 | 6.781 | 795 | 798 | 804 | rVB | 479854 | 395055 | 35.59% | 3.899% |
| 6 | 6.904 | 814 | 819 | 823 | rBV | 31361 | 30245 | 2.73% | 0.299% |
| 7 | 7.051 | 842 | 844 | 852 | rVB | 31360 | 29913 | 2.70% | 0.295% |
| 8 | 7.122 | 852 | 856 | 858 | rBV | 16580 | 14373 | 1.30% | 0.142% |
| 9 | 7.210 | 868 | 871 | 881 | rVB | 11611 | 13983 | 1.26% | 0.138% |
| 10 | 7.345 | 889 | 894 | 897 | rBV | 730261 | 657450 | 59.24% | 6.489% |
| 11 | 8.057 | 1012 | 1015 | 1019 | rBV | 536651 | 433923 | 39.10% | 4.283% |
| 12 | 9.133 | 1195 | 1198 | 1202 | rBV | 1195120 | 1009561 | 90.96% | 9.964% |
| 13 | 9.816 | 1310 | 1314 | 1317 | rBV | 499806 | 383996 | 34.60% | 3.790% |
| 14 | 10.022 | 1343 | 1349 | 1353 | rBV3 | 12780 | 16434 | 1.48% | 0.162% |
| 15 | 10.363 | 1404 | 1407 | 1413 | rVB3 | 23273 | 25582 | 2.30% | 0.252% |
| 16 | 10.610 | 1445 | 1449 | 1460 | rVB | 591384 | 517489 | 46.63% | 5.108% |
| 17 | 10.733 | 1466 | 1470 | 1475 | rVB6 | 12859 | 14694 | 1.32% | 0.145% |
| 18 | 10.916 | 1495 | 1501 | 1504 | rBV2 | 16671 | 21992 | 1.98% | 0.217% |
| 19 | 11.204 | 1547 | 1550 | 1555 | rVB | 15388 | 14086 | 1.27% | 0.139% |
| 20 | 11.310 | 1564 | 1568 | 1570 | rBV | 417896 | 390660 | 35.20% | 3.856% |
| 21 | 11.333 | 1570 | 1572 | 1575 | rVV | 228721 | 176985 | 15.95% | 1.747% |
| 22 | 11.380 | 1577 | 1580 | 1584 | rVB | 80907 | 68422 | 6.16% | 0.675% |
| 23 | 11.810 | 1650 | 1653 | 1656 | rBV | 47309 | 45091 | 4.06% | 0.445% |
| 24 | 11.839 | 1656 | 1658 | 1663 | rVV | 160950 | 154542 | 13.92% | 1.525% |
| 25 | 11.886 | 1663 | 1666 | 1669 | rVV | 37451 | 40599 | 3.66% | 0.401% |
| 26 | 11.922 | 1669 | 1672 | 1675 | rVV | 78258 | 90040 | 8.11% | 0.889% |
| 27 | 11.945 | 1675 | 1676 | 1683 | rVB | 41823 | 30799 | 2.78% | 0.304% |
| 28 | 12.110 | 1697 | 1704 | 1708 | rBV | 30598 | 43855 | 3.95% | 0.433% |
| 29 | 12.257 | 1724 | 1729 | 1732 | rBV4 | 14488 | 17368 | 1.56% | 0.171% |
| 30 | 12.292 | 1732 | 1735 | 1737 | rBV | 12569 | 12213 | 1.10% | 0.121% |
| 31 | 12.363 | 1742 | 1747 | 1750 | rBV | 45614 | 50069 | 4.51% | 0.494% |
| 32 | 12.404 | 1750 | 1754 | 1759 | rVB4 | 27103 | 40961 | 3.69% | 0.404% |
| 33 | 12.451 | 1759 | 1762 | 1770 | rVB4 | 15139 | 28832 | 2.60% | 0.285% |
| 34 | 12.527 | 1771 | 1775 | 1778 | rBV | 338070 | 272375 | 24.54% | 2.688% |
| 35 | 12.627 | 1789 | 1792 | 1798 | rBV6 | 16357 | 27483 | 2.48% | 0.271% |
| 36 | 12.757 | 1807 | 1814 | 1816 | rBV | 288114 | 298007 | 26.85% | 2.941% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

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-BF122023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.774 | 1816 | 1817 | 1820 | rVV | 36044 | 27962 | 2.52% | 0.276% |
| 38 | 12.810 | 1820 | 1823 | 1827 | rVB2 | 17305 | 24145 | 2.18% | 0.238% |
| 39 | 12.874 | 1832 | 1834 | 1835 | rBV2 | 16821 | 14726 | 1.33% | 0.145% |
| 40 | 12.904 | 1835 | 1839 | 1842 | rVB | 1109504 | 930333 | 83.82% | 9.182% |
| 41 | 12.980 | 1847 | 1852 | 1855 | rBV4 | 25138 | 38302 | 3.45% | 0.378% |
| 42 | 13.086 | 1867 | 1870 | 1873 | rVB | 69669 | 62443 | 5.63% | 0.616% |
| 43 | 13.151 | 1876 | 1881 | 1884 | rBV2 | 63503 | 73351 | 6.61% | 0.724% |
| 44 | 13.192 | 1884 | 1888 | 1891 | rVV2 | 36989 | 37198 | 3.35% | 0.367% |
| 45 | 13.286 | 1901 | 1904 | 1906 | rVB | 20014 | 16352 | 1.47% | 0.161% |
| 46 | 13.316 | 1906 | 1909 | 1913 | rBV2 | 25809 | 22037 | 1.99% | 0.218% |
| 47 | 13.492 | 1935 | 1939 | 1941 | rBV5 | 13825 | 19365 | 1.74% | 0.191% |
| 48 | 13.692 | 1971 | 1973 | 1975 | rBV3 | 10829 | 13595 | 1.22% | 0.134% |
| 49 | 13.739 | 1979 | 1981 | 1983 | rVV | 20863 | 16770 | 1.51% | 0.166% |
| 50 | 13.810 | 1991 | 1993 | 1996 | rVB2 | 18383 | 16779 | 1.51% | 0.166% |
| 51 | 13.863 | 1996 | 2002 | 2004 | rBV6 | 33440 | 71182 | 6.41% | 0.703% |
| 52 | 13.963 | 2014 | 2019 | 2022 | rBV2 | 507427 | 549509 | 49.51% | 5.424% |
| 53 | 13.986 | 2022 | 2023 | 2030 | rVB | 120174 | 98725 | 8.90% | 0.974% |
| 54 | 14.068 | 2034 | 2037 | 2040 | rVB | 39233 | 30317 | 2.73% | 0.299% |
| 55 | 14.351 | 2083 | 2085 | 2088 | rVB | 32274 | 26300 | 2.37% | 0.260% |
| 56 | 14.498 | 2108 | 2110 | 2114 | rVB4 | 19408 | 19622 | 1.77% | 0.194% |
| 57 | 15.010 | 2193 | 2197 | 2200 | rBV | 59346 | 91509 | 8.25% | 0.903% |
| 58 | 15.315 | 2246 | 2249 | 2256 | rVB | 35970 | 51291 | 4.62% | 0.506% |
| 59 | 15.380 | 2256 | 2260 | 2265 | rVB | 53547 | 74047 | 6.67% | 0.731% |
| 60 | 15.445 | 2266 | 2271 | 2274 | rBV | 196090 | 244646 | 22.04% | 2.415% |

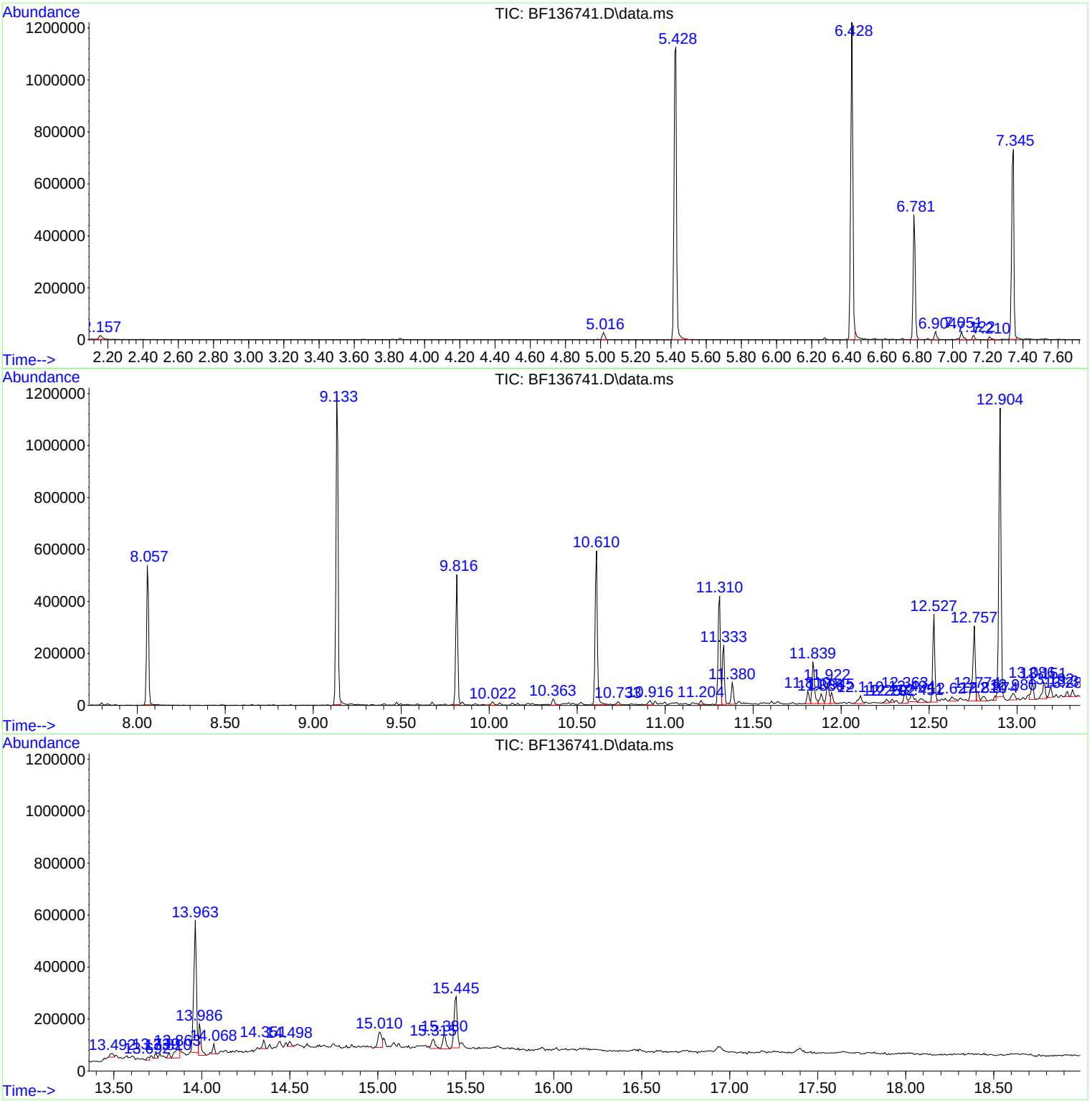
Sum of corrected areas: 10131884

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.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\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

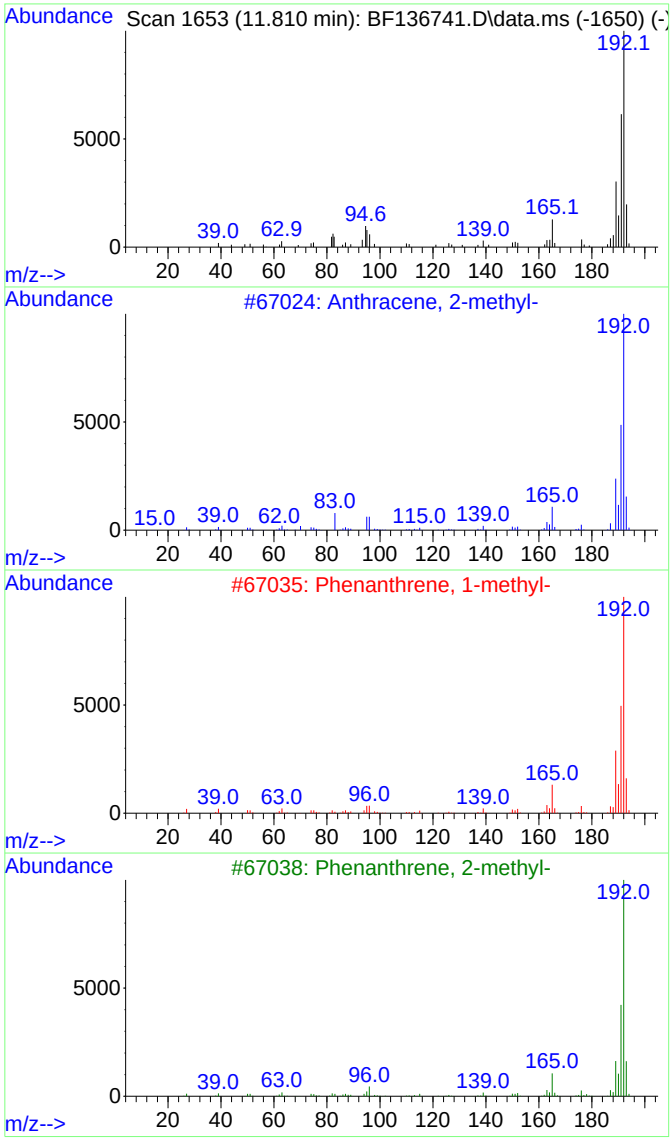
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

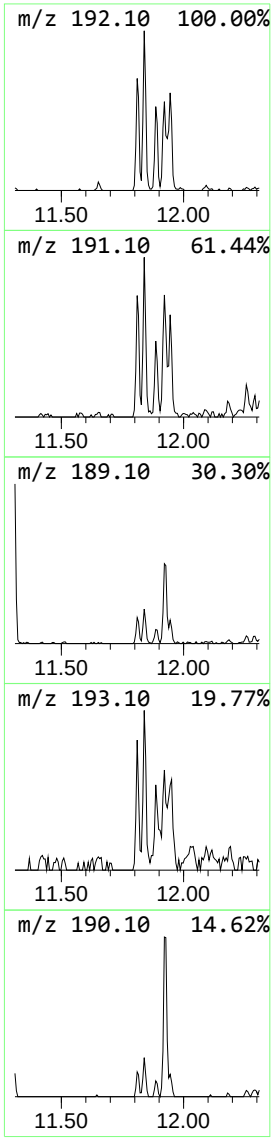
**********

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.810 | 2.31 ng | 45091 | Phenanthrene-d10 | 11.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

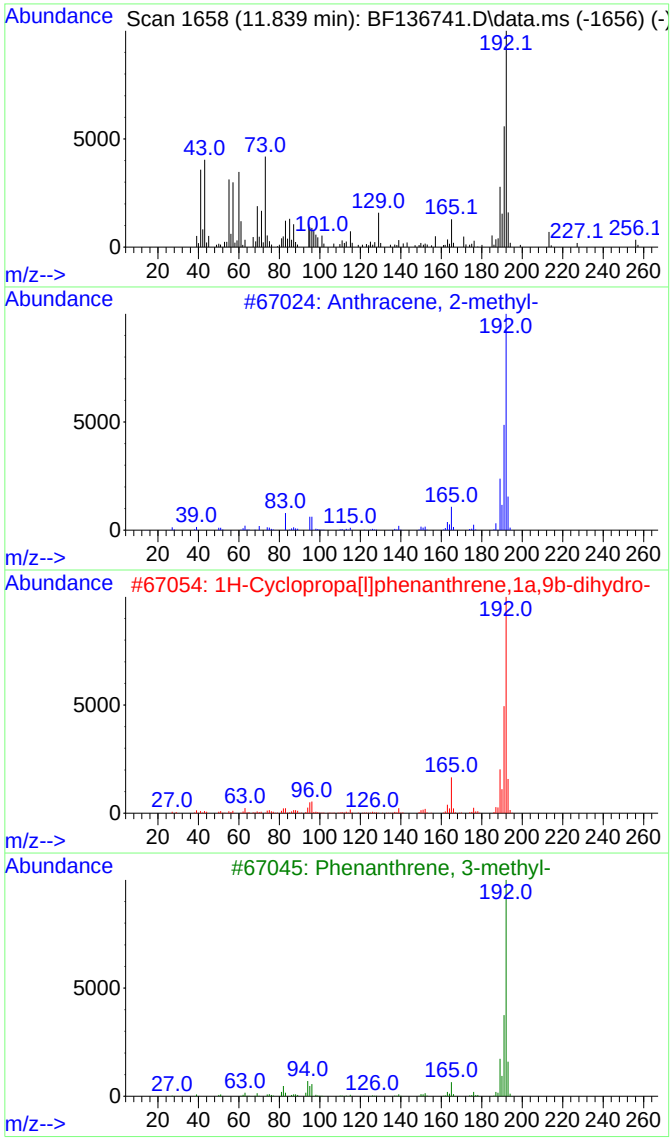
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

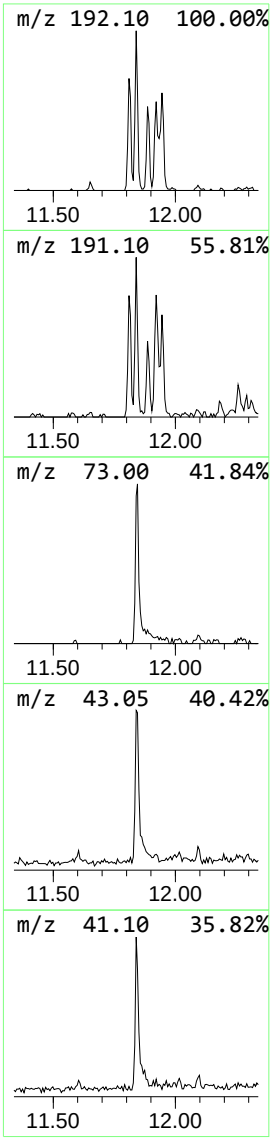
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 1H-Cyclopropa[l]phenanthren... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.839 | 7.91 ng | 154542 | Phenanthrene-d10 | 11.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |
| 3 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 94 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

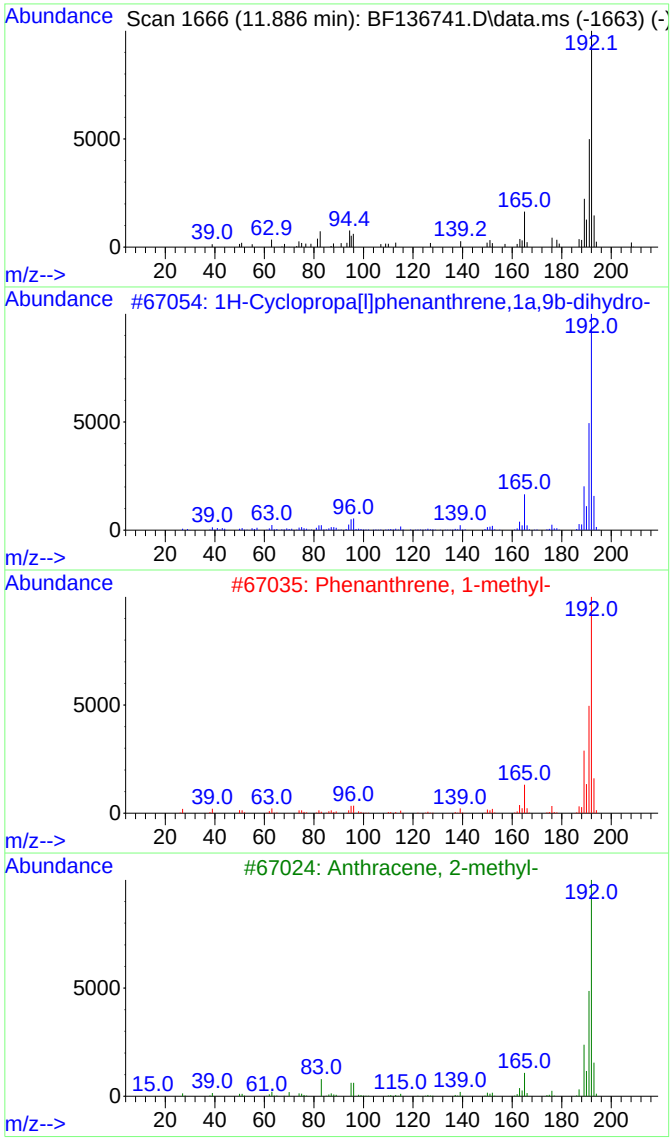
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

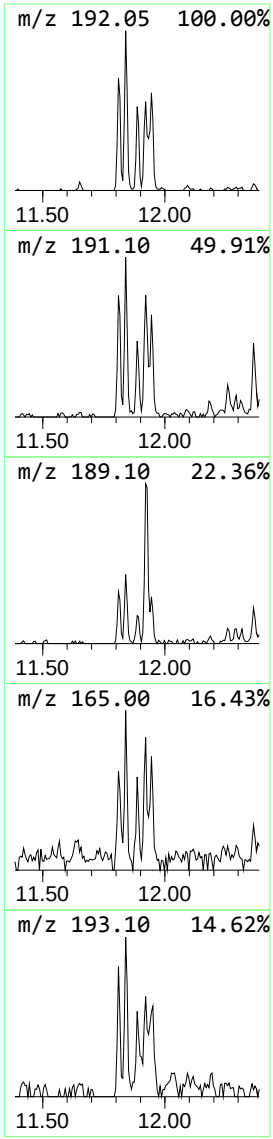
**********

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.886 | 2.08 ng | 40599 | Phenanthrene-d10 | 11.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 97 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

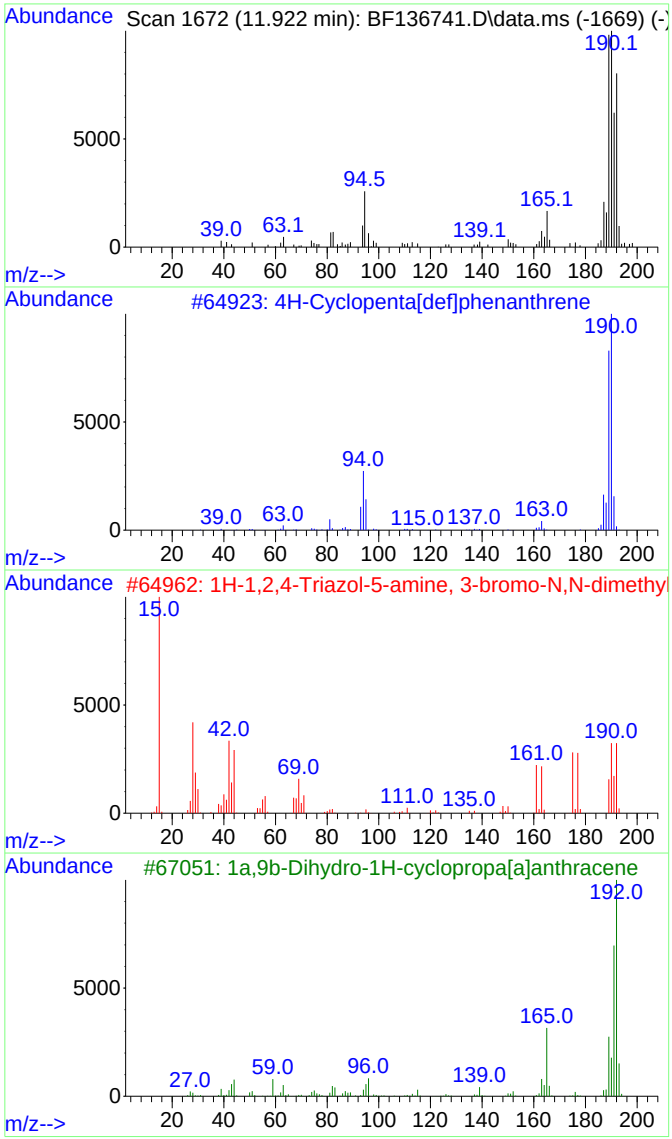
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

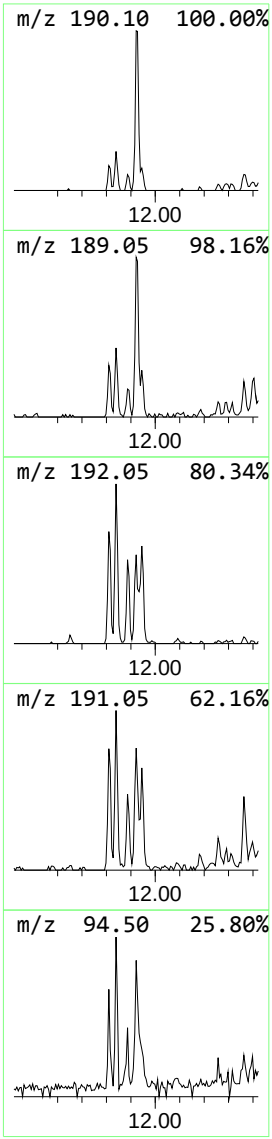
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.922 | 4.61 ng | 90040 | Phenanthrene-d10 | 11.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 90 |
| 2 | 1H-1,2,4-Triazol-5-amine, 3-brom... | 190 | C4H7BrN4 | 1000460-85-7 | 53 |
| 3 | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12 | 006109-24-6 | 42 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 38 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

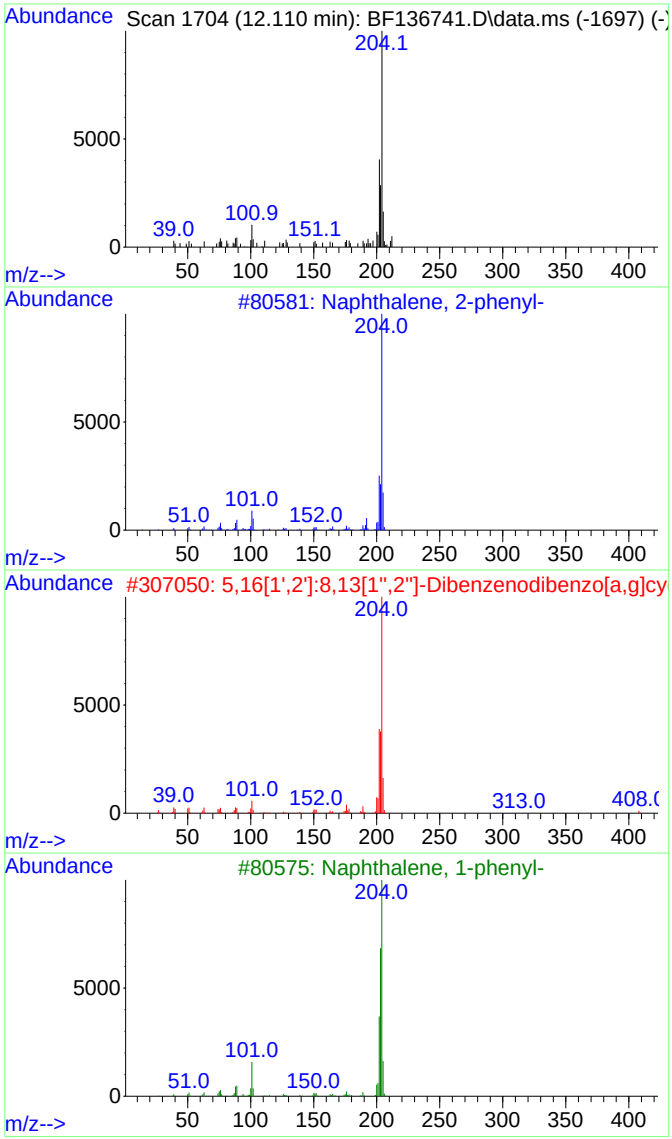
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

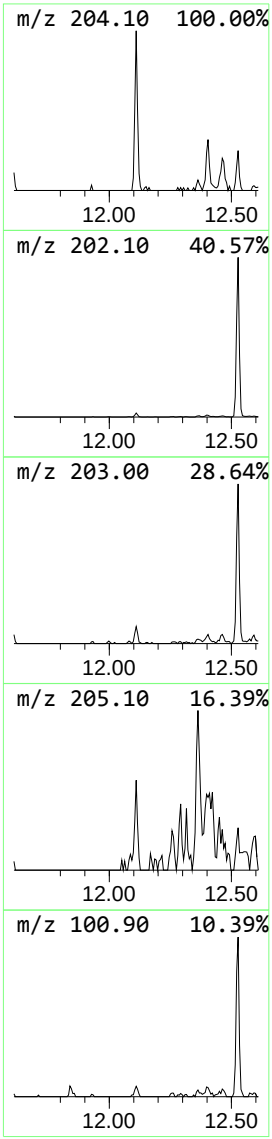
**********

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.110 | 2.25 ng | 43855 | Phenanthrene-d10 | 11.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 86 |
| 3 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 70 |
| 4 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 70 |
| 5 | Benzene, 1,1'-(1-buten-3-yne-1,4... | 204 | C16H12 | 013141-45-2 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

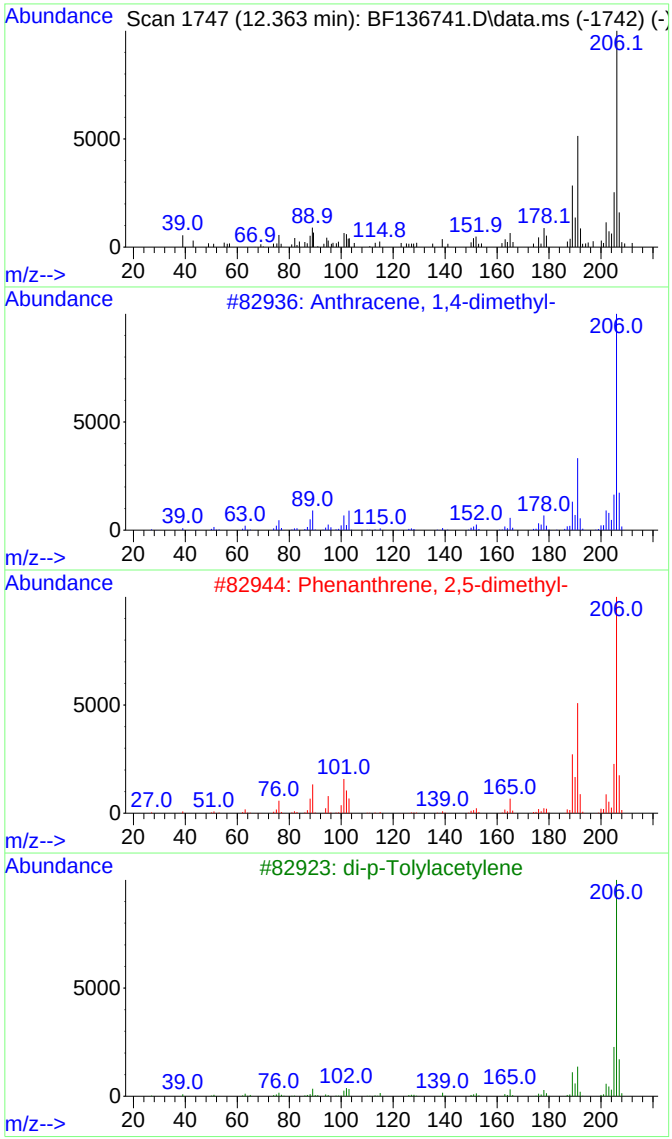
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

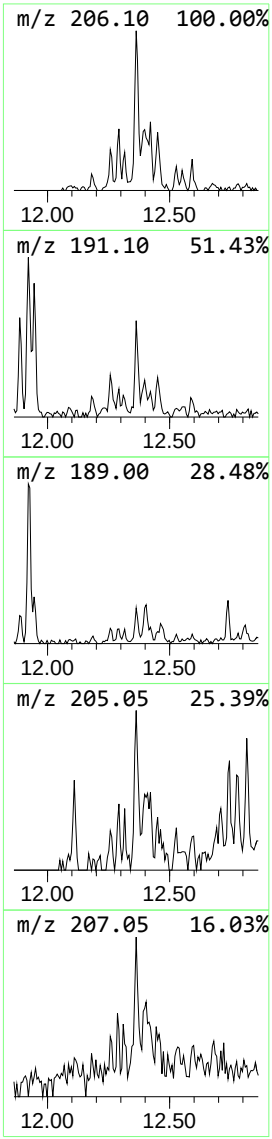
**********

Peak Number 6 Anthracene, 1,4-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.363 | 2.56 ng | 50069 | Phenanthrene-d10 | 11.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 95 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 94 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 91 |
| 5 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

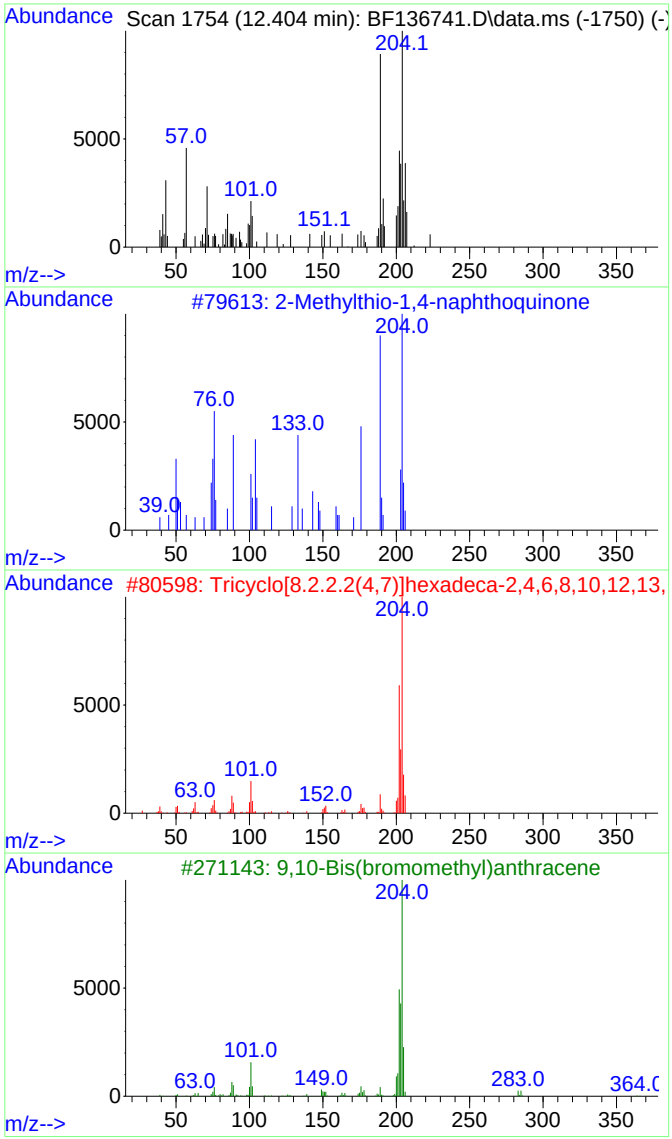
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

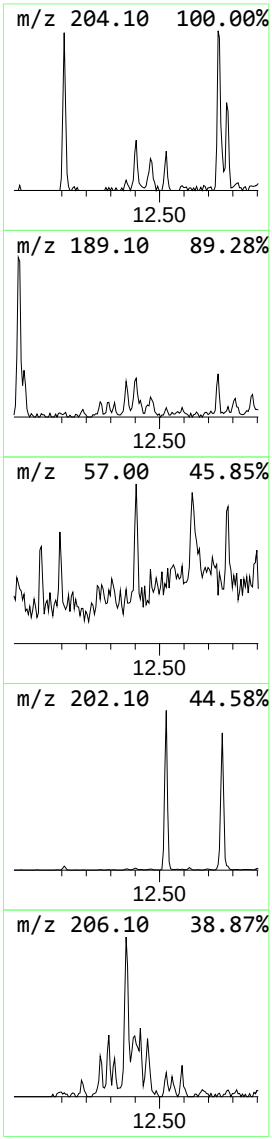
**********

Peak Number 7 unknown12.404 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.404 | 2.10 ng | 40961 | Phenanthrene-d10 | 11.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methylthio-1,4-naphthoquinone | 204 | C11H8O2S | 026037-60-5 | 47 |
| 2 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 46 |
| 3 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 43 |
| 4 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 43 |
| 5 | 1-(5-Nitro-1H-indol-3-yl)ethan-1... | 204 | C10H8N2O3 | 004771-10-2 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

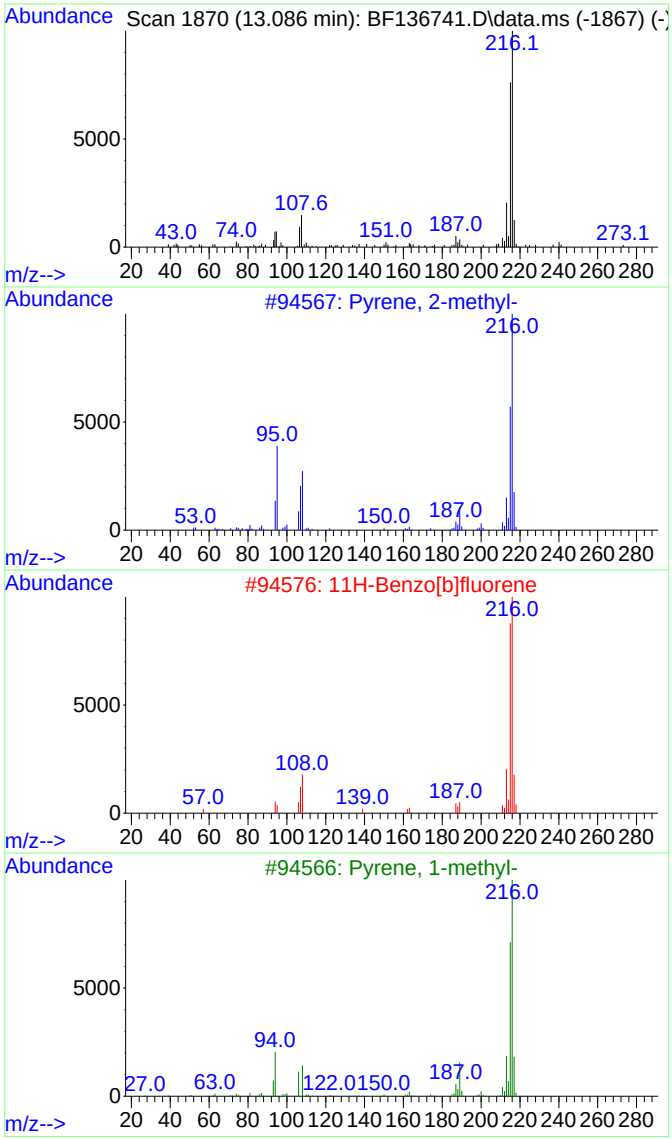
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

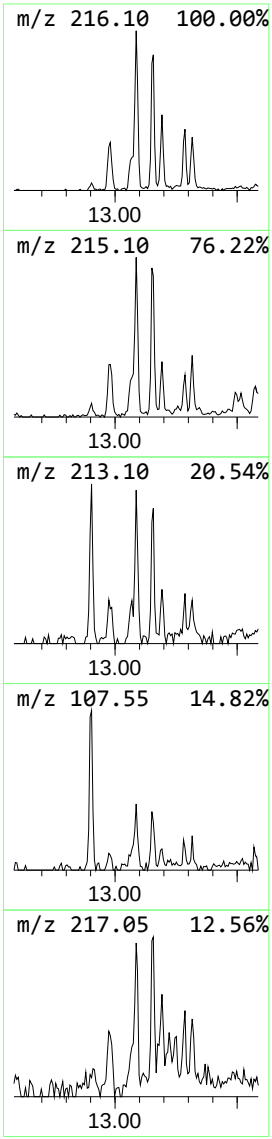
**********

Peak Number 8 Pyrene, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.086 | 2.27 ng | 62443 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 89 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 83 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 74 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

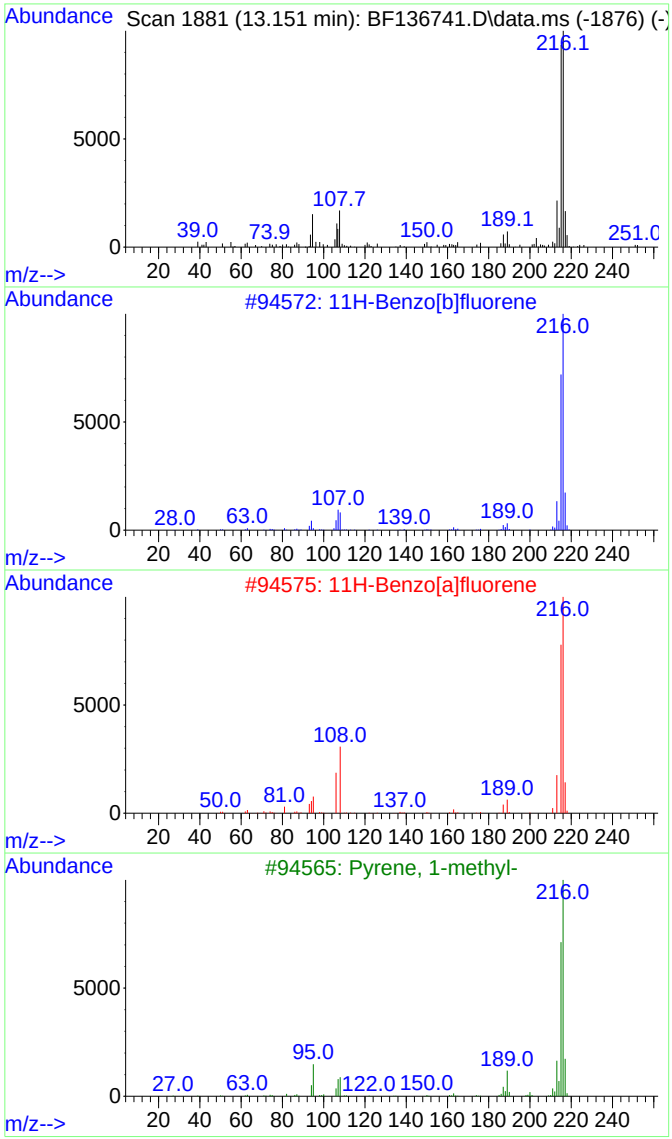
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

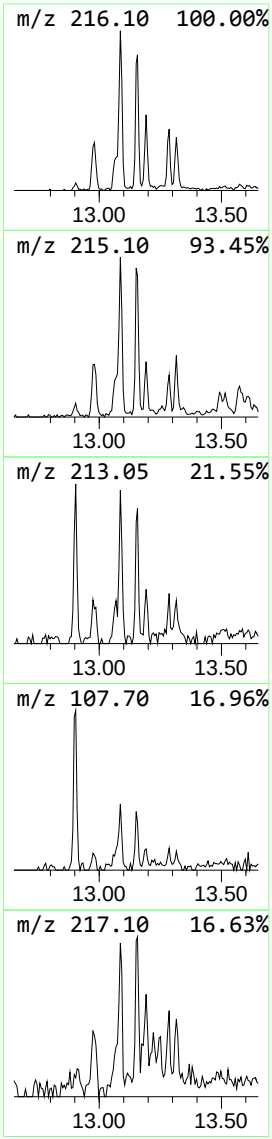
**********

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.151 | 2.67 ng | 73351 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 86 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 74 |
| 5 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.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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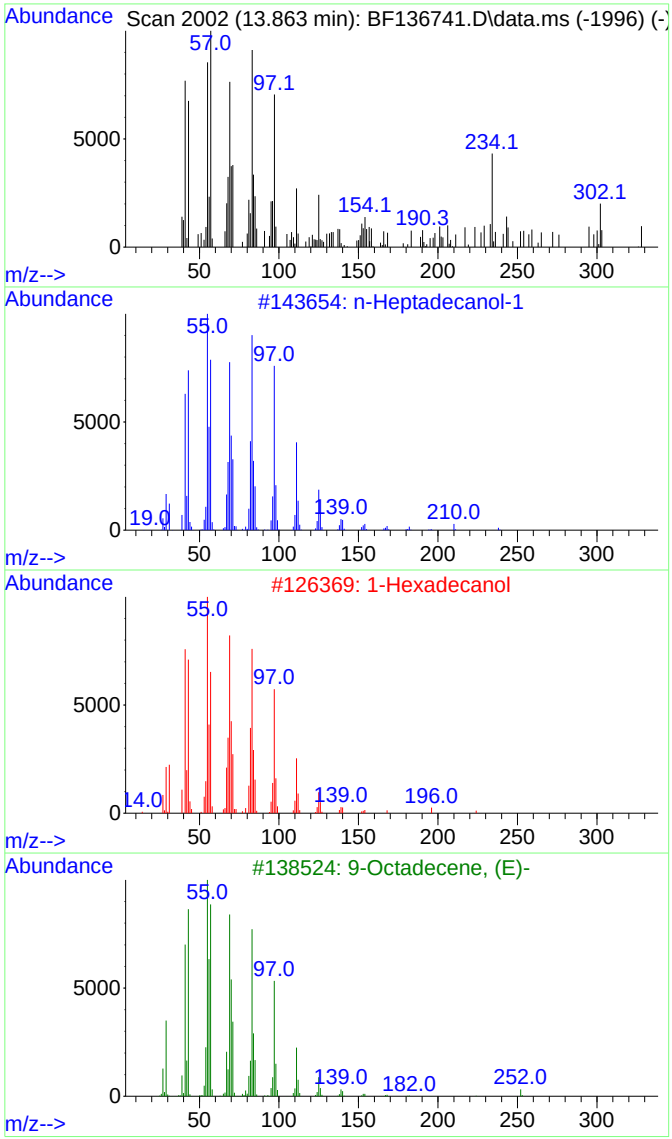
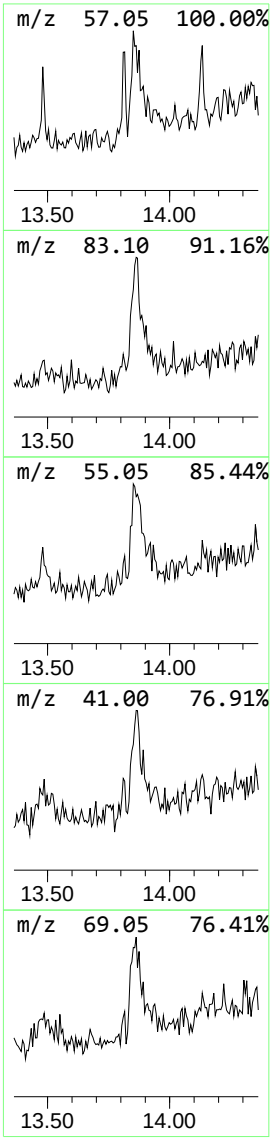
Peak Number 10 n-Heptadecanol-1 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.863 | 2.59 ng | 71182 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Heptadecanol-1 | 256 | C17H36O | 001454-85-9 | 52 |
| 2 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 52 |
| 3 | 9-Octadecene, (E)- | 252 | C18H36 | 007206-25-9 | 52 |
| 4 | 7-Heptadecene, 17-chloro- | 272 | C17H33Cl | 056554-79-1 | 52 |
| 5 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.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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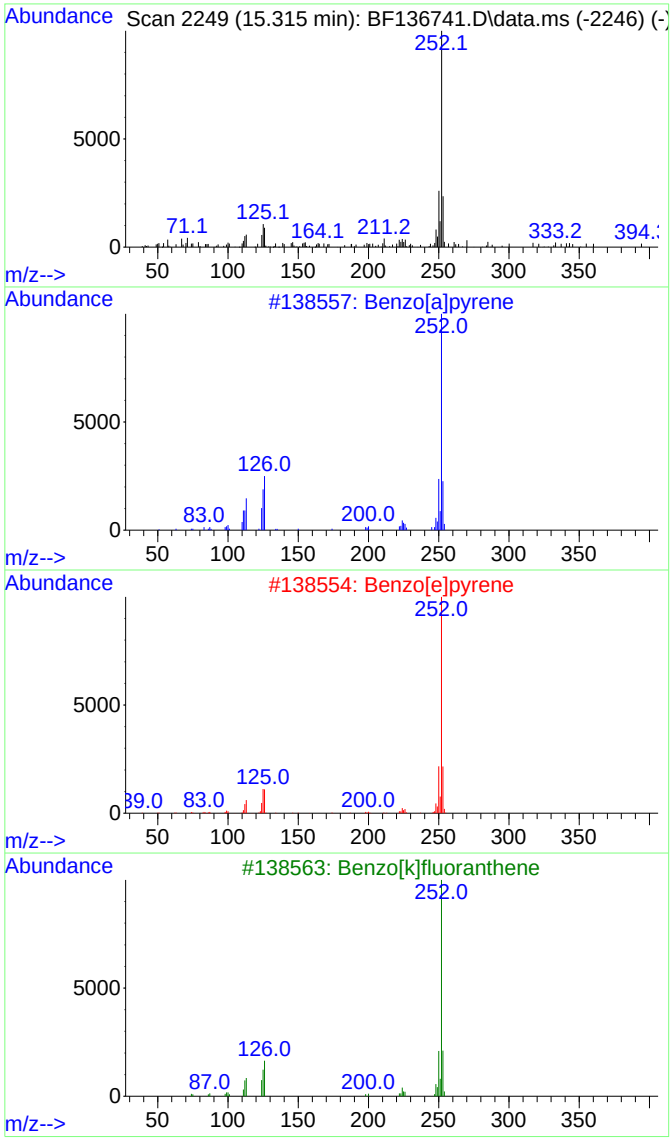
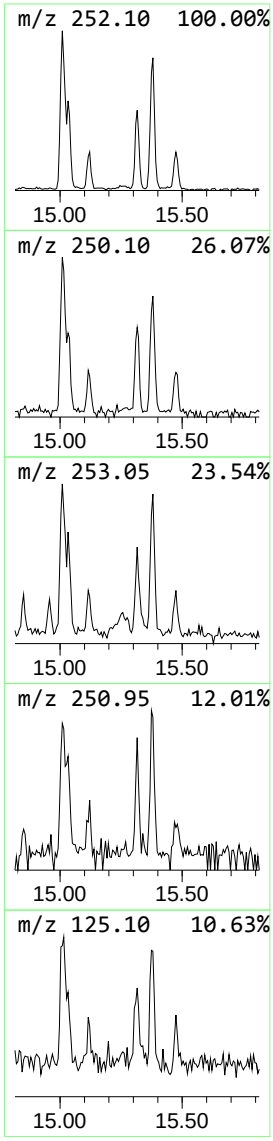
Peak Number 11 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.315 | 4.19 ng | 51291 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 95 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 95 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 90 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136741.D
Acq On : 27 Dec 2023 02:43
Operator : CG\JU
Sample : 05602-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROUTE-4-TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.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 |
| Anthracene, 2-m... | 11.810 | 2.3 | ng | 45091 | 4 | 11.310 | 390660 | 20.0 |
| 1H-Cyclopropa[l... | 11.839 | 7.9 | ng | 154542 | 4 | 11.310 | 390660 | 20.0 |
| Phenanthrene, 1... | 11.886 | 2.1 | ng | 40599 | 4 | 11.310 | 390660 | 20.0 |
| 4H-Cyclopenta[d... | 11.922 | 4.6 | ng | 90040 | 4 | 11.310 | 390660 | 20.0 |
| Naphthalene, 2-... | 12.110 | 2.3 | ng | 43855 | 4 | 11.310 | 390660 | 20.0 |
| Anthracene, 1,4... | 12.363 | 2.6 | ng | 50069 | 4 | 11.310 | 390660 | 20.0 |
| unknown12.404 | 12.404 | 2.1 | ng | 40961 | 4 | 11.310 | 390660 | 20.0 |
| Pyrene, 2-methyl- | 13.086 | 2.3 | ng | 62443 | 5 | 13.963 | 549509 | 20.0 |
| 11H-Benzo[b]flu... | 13.151 | 2.7 | ng | 73351 | 5 | 13.963 | 549509 | 20.0 |
| n-Heptadecanol-1 | 13.863 | 2.6 | ng | 71182 | 5 | 13.963 | 549509 | 20.0 |
| Benzo[e]pyrene | 15.315 | 4.2 | ng | 51291 | 6 | 15.445 | 244646 | 20.0 |