LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133709.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.051 | 497 | 504 | 514 | rVB | 38977 | 54444 | 2.50% | 0.265% |
| 2 | 5.451 | 566 | 572 | 575 | rBV | 2109728 | 2017799 | 92.65% | 9.817% |
| 3 | 6.463 | 738 | 744 | 747 | rBV | 2144576 | 2071050 | 95.09% | 10.077% |
| 4 | 6.828 | 803 | 806 | 810 | rBV | 548800 | 473783 | 21.75% | 2.305% |
| 5 | 7.398 | 898 | 903 | 906 | rBV | 1448333 | 1354559 | 62.19% | 6.591% |
| 6 | 8.116 | 1021 | 1025 | 1028 | rBV | 691660 | 587936 | 26.99% | 2.861% |
| 7 | 9.192 | 1204 | 1208 | 1211 | rBV | 2697246 | 2177960 | 100.00% | 10.597% |
| 8 | 9.869 | 1317 | 1323 | 1326 | rBV | 768928 | 597776 | 27.45% | 2.908% |
| 9 | 9.898 | 1326 | 1328 | 1332 | rVB | 51203 | 43503 | 2.00% | 0.212% |
| 10 | 10.075 | 1354 | 1358 | 1362 | rBV2 | 27492 | 26495 | 1.22% | 0.129% |
| 11 | 10.416 | 1412 | 1416 | 1421 | rVB | 42481 | 39043 | 1.79% | 0.190% |
| 12 | 10.580 | 1440 | 1444 | 1448 | rVB2 | 150237 | 137899 | 6.33% | 0.671% |
| 13 | 10.657 | 1453 | 1457 | 1461 | rBV | 1476317 | 1273311 | 58.46% | 6.195% |
| 14 | 11.251 | 1556 | 1558 | 1564 | rVB | 32774 | 30873 | 1.42% | 0.150% |
| 15 | 11.357 | 1572 | 1576 | 1578 | rBV | 649287 | 526262 | 24.16% | 2.560% |
| 16 | 11.380 | 1578 | 1580 | 1584 | rVV | 554728 | 411873 | 18.91% | 2.004% |
| 17 | 11.433 | 1584 | 1589 | 1592 | rVB | 119382 | 104886 | 4.82% | 0.510% |
| 18 | 11.586 | 1609 | 1615 | 1617 | rBV2 | 37751 | 36789 | 1.69% | 0.179% |
| 19 | 11.857 | 1656 | 1661 | 1663 | rBV | 64230 | 66286 | 3.04% | 0.323% |
| 20 | 11.886 | 1663 | 1666 | 1670 | rVV2 | 192141 | 201310 | 9.24% | 0.979% |
| 21 | 11.933 | 1671 | 1674 | 1677 | rVV2 | 43843 | 45429 | 2.09% | 0.221% |
| 22 | 11.968 | 1677 | 1680 | 1683 | rVV2 | 109745 | 130293 | 5.98% | 0.634% |
| 23 | 11.992 | 1683 | 1684 | 1689 | rVB | 55928 | 37033 | 1.70% | 0.180% |
| 24 | 12.157 | 1709 | 1712 | 1714 | rBV | 51693 | 43799 | 2.01% | 0.213% |
| 25 | 12.180 | 1714 | 1716 | 1719 | rVB2 | 33567 | 28238 | 1.30% | 0.137% |
| 26 | 12.410 | 1752 | 1755 | 1758 | rBV | 51437 | 55447 | 2.55% | 0.270% |
| 27 | 12.451 | 1758 | 1762 | 1763 | rVV2 | 36965 | 43806 | 2.01% | 0.213% |
| 28 | 12.492 | 1767 | 1769 | 1774 | rVB3 | 37817 | 42686 | 1.96% | 0.208% |
| 29 | 12.574 | 1779 | 1783 | 1786 | rVB | 800358 | 677950 | 31.13% | 3.299% |
| 30 | 12.668 | 1796 | 1799 | 1801 | rBV2 | 39457 | 32840 | 1.51% | 0.160% |
| 31 | 12.804 | 1816 | 1822 | 1827 | rBV | 722565 | 748861 | 34.38% | 3.644% |
| 32 | 12.851 | 1827 | 1830 | 1835 | rVB3 | 38696 | 54451 | 2.50% | 0.265% |
| 33 | 12.921 | 1839 | 1842 | 1843 | rBV | 35700 | 32194 | 1.48% | 0.157% |
| 34 | 12.945 | 1843 | 1846 | 1850 | rVV | 1744976 | 1656363 | 76.05% | 8.059% |
| 35 | 13.015 | 1853 | 1858 | 1862 | rBV2 | 46116 | 83385 | 3.83% | 0.406% |
| 36 | 13.104 | 1866 | 1873 | 1874 | rBV4 | 44959 | 53633 | 2.46% | 0.261% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.127 | 1875 | 1877 | 1880 | rVB | 93859 | 87113 | 4.00% | 0.424% |
| 38 | 13.174 | 1880 | 1885 | 1887 | rBV4 | 36663 | 47874 | 2.20% | 0.233% |
| 39 | 13.198 | 1887 | 1889 | 1891 | rVB | 75809 | 54924 | 2.52% | 0.267% |
| 40 | 13.233 | 1891 | 1895 | 1898 | rBV2 | 80997 | 81723 | 3.75% | 0.398% |
| 41 | 13.327 | 1908 | 1911 | 1914 | rBV | 41908 | 35557 | 1.63% | 0.173% |
| 42 | 13.357 | 1914 | 1916 | 1920 | rBV | 45879 | 39239 | 1.80% | 0.191% |
| 43 | 13.521 | 1939 | 1944 | 1946 | rBV3 | 53501 | 73363 | 3.37% | 0.357% |
| 44 | 13.639 | 1961 | 1964 | 1969 | rVB | 49528 | 57814 | 2.65% | 0.281% |
| 45 | 13.751 | 1978 | 1983 | 1986 | rBV3 | 65521 | 96964 | 4.45% | 0.472% |
| 46 | 13.780 | 1986 | 1988 | 1990 | rVV | 75209 | 64776 | 2.97% | 0.315% |
| 47 | 13.804 | 1990 | 1992 | 1996 | rVV2 | 54840 | 81804 | 3.76% | 0.398% |
| 48 | 13.845 | 1996 | 1999 | 2006 | rVB2 | 169044 | 195999 | 9.00% | 0.954% |
| 49 | 14.004 | 2018 | 2026 | 2028 | rBV2 | 670664 | 952319 | 43.73% | 4.633% |
| 50 | 14.027 | 2028 | 2030 | 2036 | rVB | 368254 | 333765 | 15.32% | 1.624% |
| 51 | 14.110 | 2041 | 2044 | 2046 | rVB | 67454 | 57688 | 2.65% | 0.281% |
| 52 | 14.168 | 2051 | 2054 | 2056 | rBV2 | 52074 | 46087 | 2.12% | 0.224% |
| 53 | 14.386 | 2089 | 2091 | 2095 | rVB | 69803 | 64082 | 2.94% | 0.312% |
| 54 | 14.421 | 2095 | 2097 | 2101 | rVB | 41453 | 36202 | 1.66% | 0.176% |
| 55 | 14.474 | 2103 | 2106 | 2110 | rBV2 | 70270 | 89850 | 4.13% | 0.437% |
| 56 | 14.515 | 2110 | 2113 | 2115 | rVV | 43631 | 46203 | 2.12% | 0.225% |
| 57 | 14.533 | 2115 | 2116 | 2120 | rVB3 | 45411 | 36733 | 1.69% | 0.179% |
| 58 | 14.780 | 2155 | 2158 | 2161 | rBV2 | 47326 | 48395 | 2.22% | 0.235% |
| 59 | 15.039 | 2198 | 2202 | 2205 | rBV | 270175 | 413594 | 18.99% | 2.012% |
| 60 | 15.115 | 2213 | 2215 | 2217 | rBV | 43540 | 39665 | 1.82% | 0.193% |
| 61 | 15.145 | 2218 | 2220 | 2226 | rVB | 65740 | 71932 | 3.30% | 0.350% |
| 62 | 15.339 | 2250 | 2253 | 2259 | rVB | 170050 | 223985 | 10.28% | 1.090% |
| 63 | 15.404 | 2259 | 2264 | 2270 | rBV | 251008 | 318019 | 14.60% | 1.547% |
| 64 | 15.468 | 2270 | 2275 | 2278 | rVV | 337432 | 450763 | 20.70% | 2.193% |
| 65 | 15.498 | 2278 | 2280 | 2286 | rVB2 | 103642 | 119108 | 5.47% | 0.580% |
| 66 | 16.921 | 2517 | 2522 | 2529 | rVB2 | 95713 | 192165 | 8.82% | 0.935% |
| 67 | 17.356 | 2593 | 2596 | 2601 | rVB2 | 58447 | 95238 | 4.37% | 0.463% |

Sum of corrected areas: 20553188

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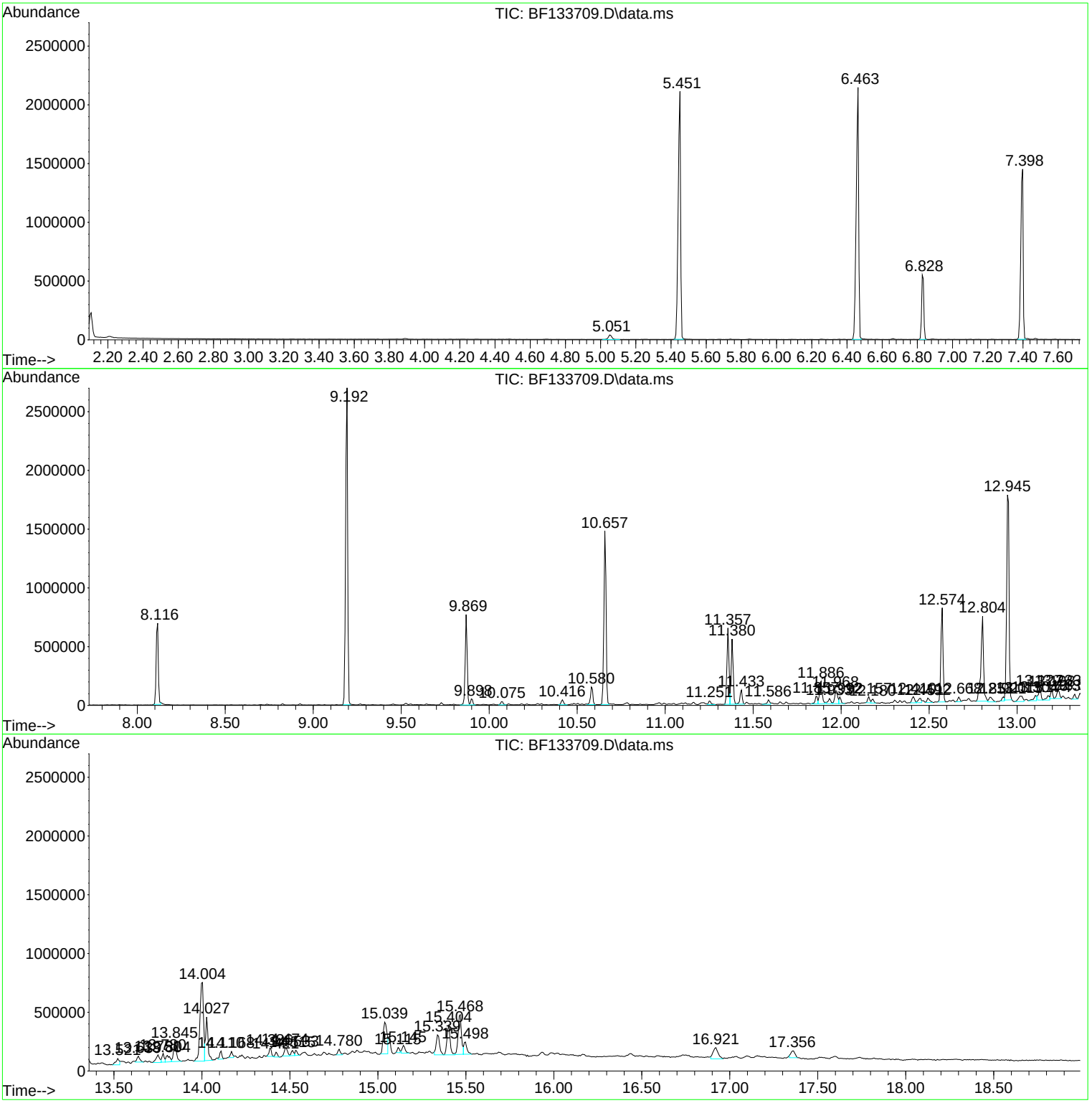
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

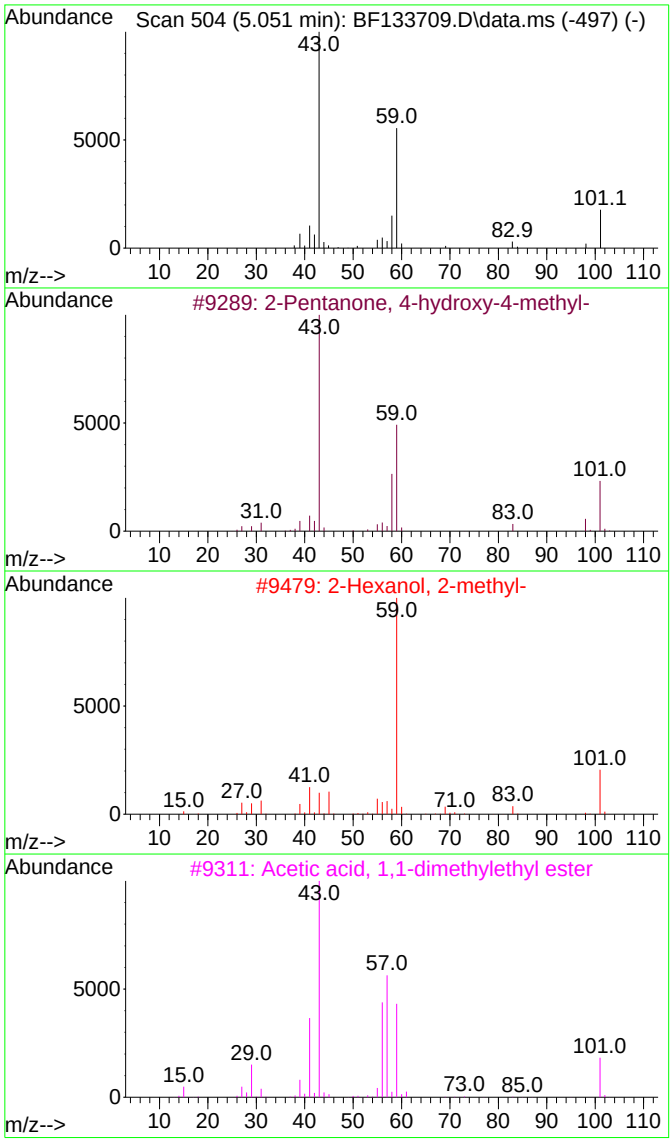
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

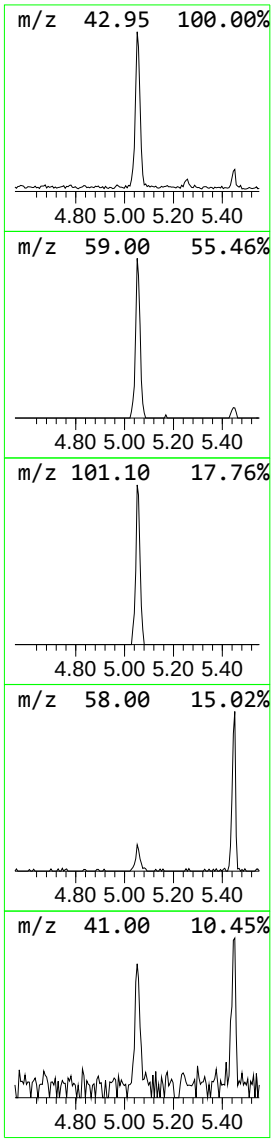
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.051 | 2.30 ng | 54444 | 1,4-Dichlorobenzene-d4 | 6.834 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 47 |
| 3 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 4 | 2-Nonanone, 9-hydroxy- | 158 | C9H18O2 | 025368-56-3 | 33 |
| 5 | Silane, trimethyl- | 74 | C3H10Si | 000993-07-7 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

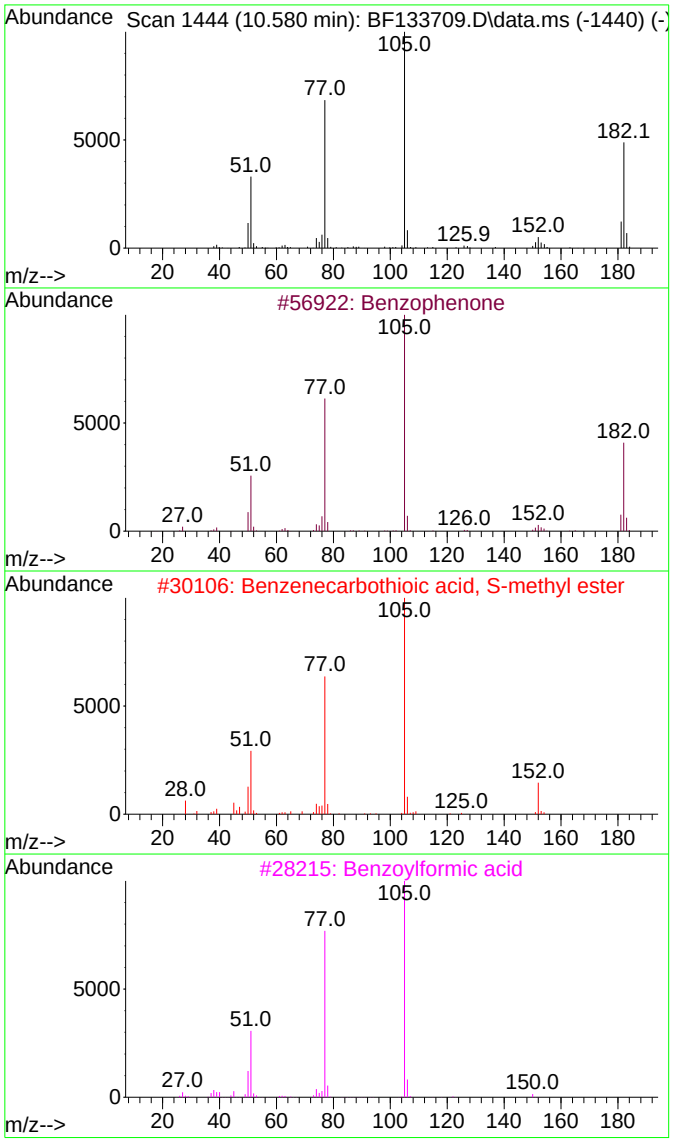
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

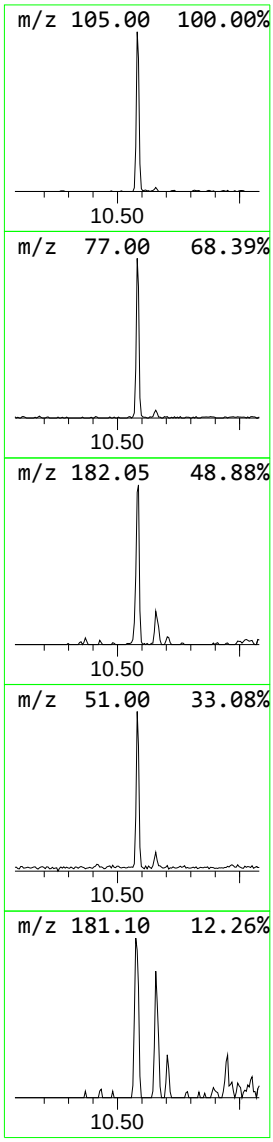
**********

Peak Number 2 Benzophenone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.580 | 4.61 ng | 137899 | Acenaphthene-d10 | 9.869 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS | 005925-68-8 | 52 |
| 3 | Benzoylformic acid | 150 | C8H6O3 | 000611-73-4 | 49 |
| 4 | Benzoyl chloride | 140 | C7H5ClO | 000098-88-4 | 47 |
| 5 | 1-Propanone, 3-chloro-1-phenyl- | 168 | C9H9ClO | 000936-59-4 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

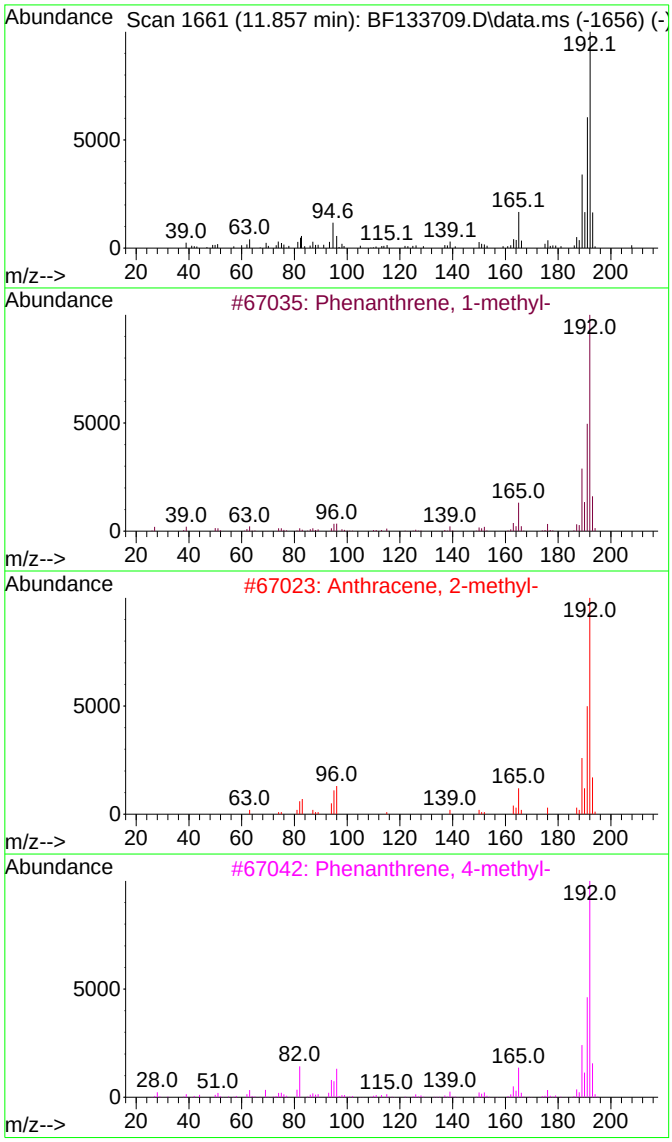
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

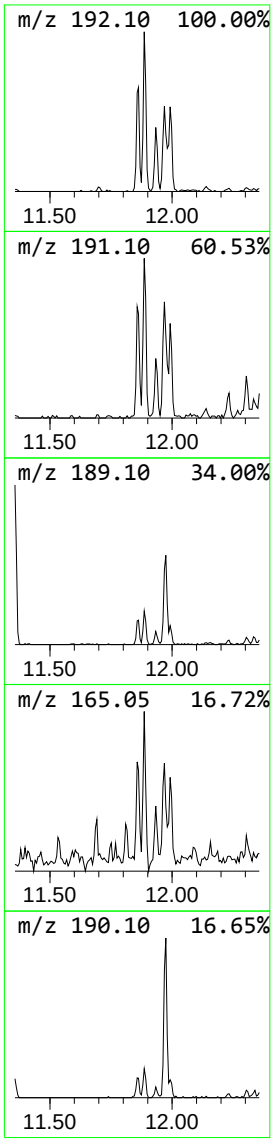
**********

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.857 | 2.52 ng | 66286 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 91 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

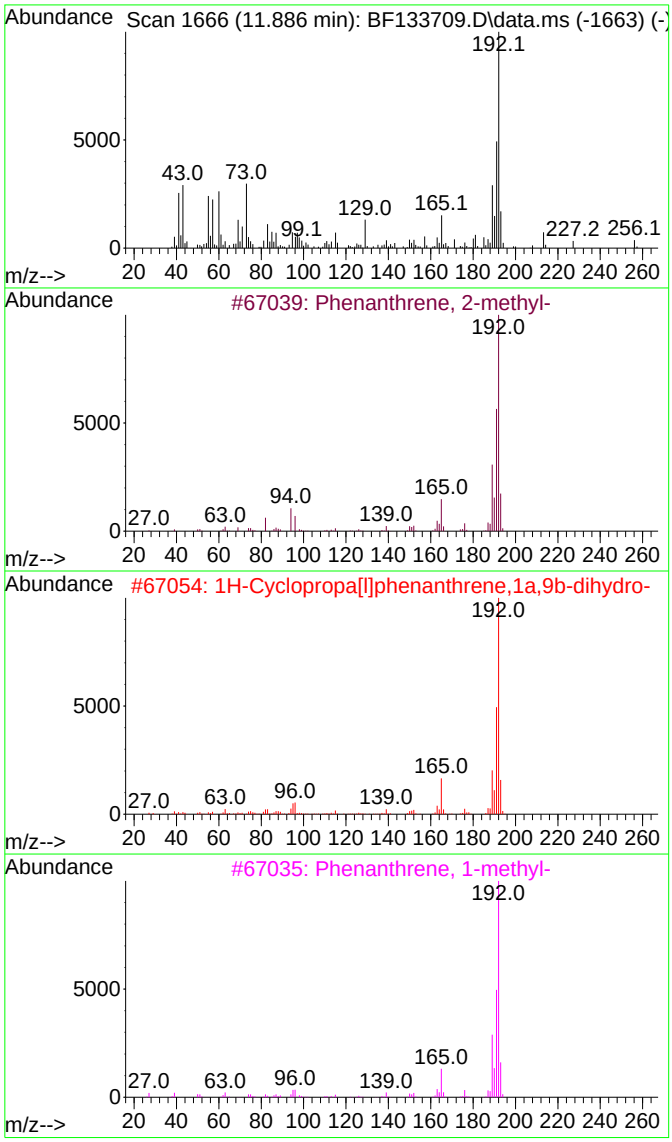
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

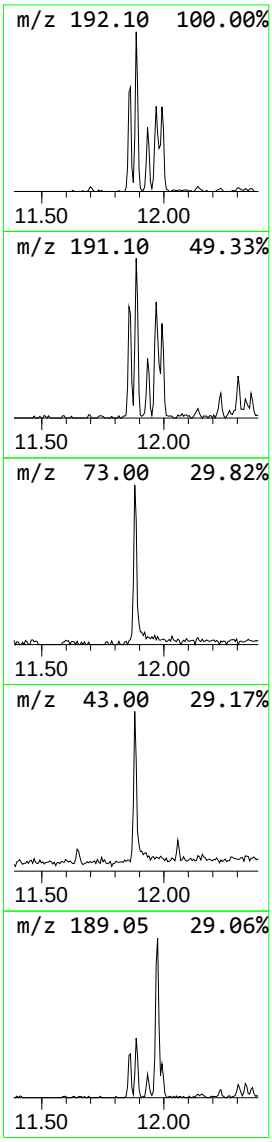
**********

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.886 | 7.65 ng | 201310 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 92 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

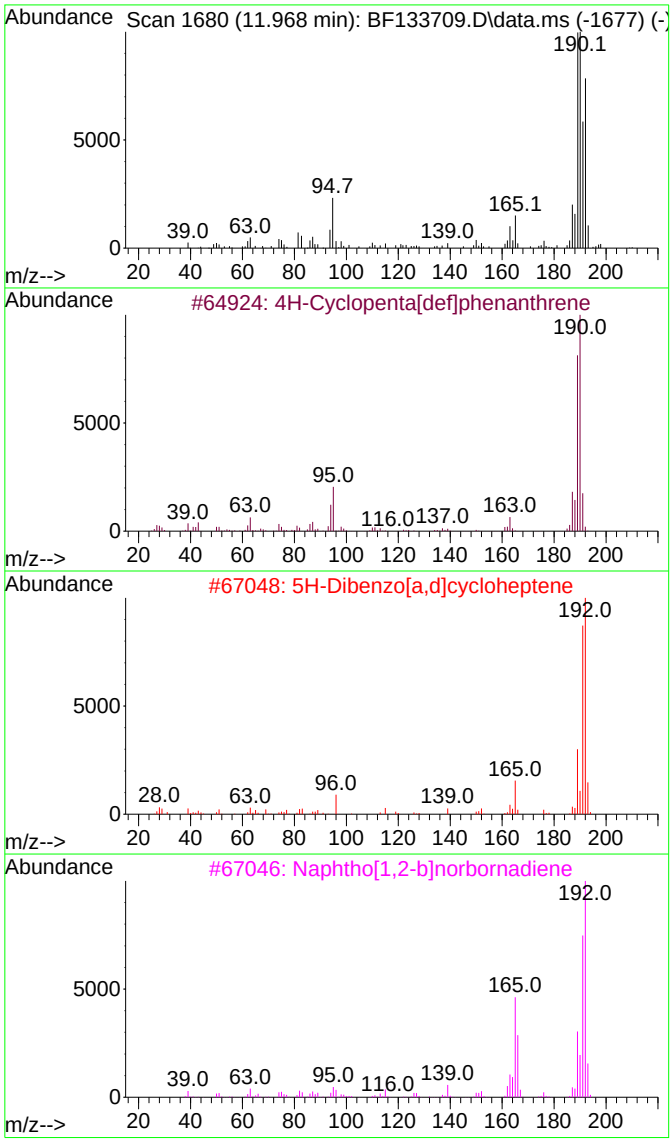
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

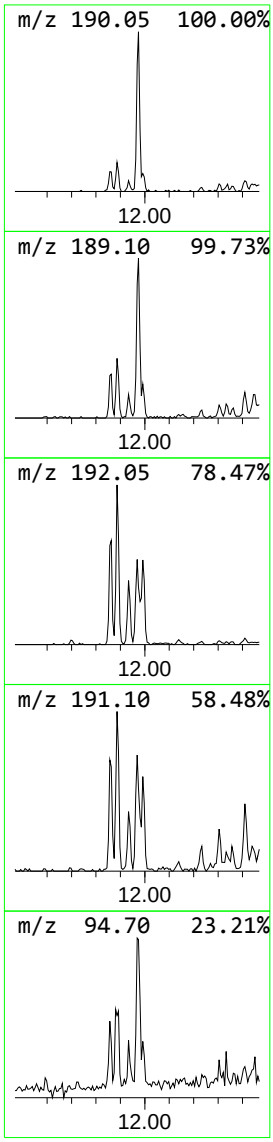
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.969 | 4.95 ng | 130293 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 42 |
| 3 | Naphtho[1,2-b]norbornadiene | 192 | C15H12 | 1000210-14-8 | 41 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 38 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

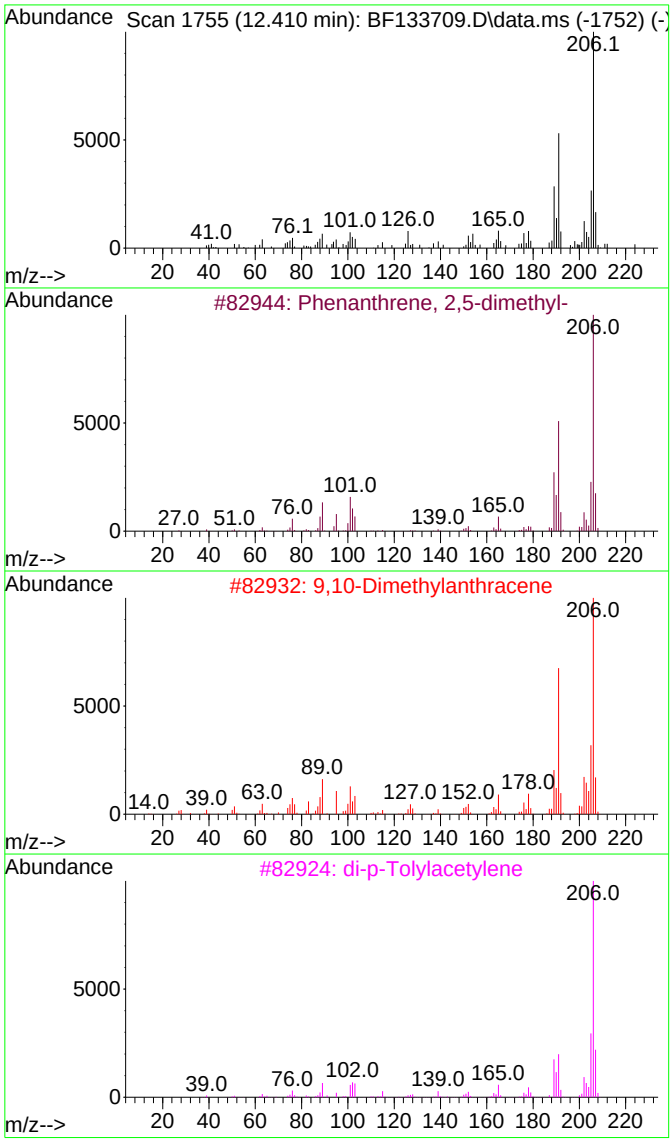
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

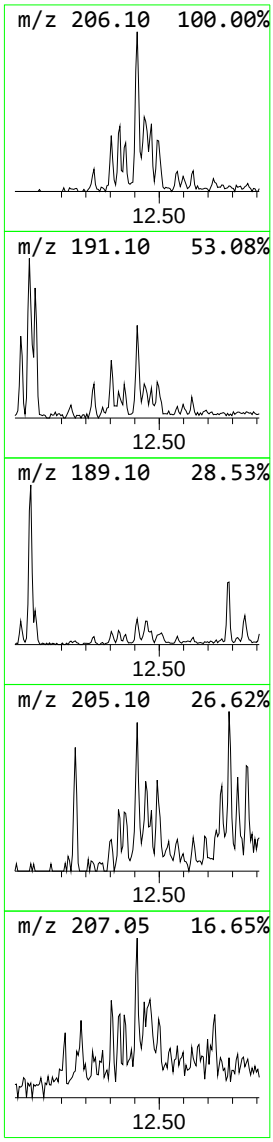
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.410 | 2.11 ng | 55447 | Phenanthrene-d10 | 11.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 96 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 93 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 92 |
| 4 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 91 |
| 5 | 3-Methyl-1-phenyl-1H-indene | 206 | C16H14 | 022360-63-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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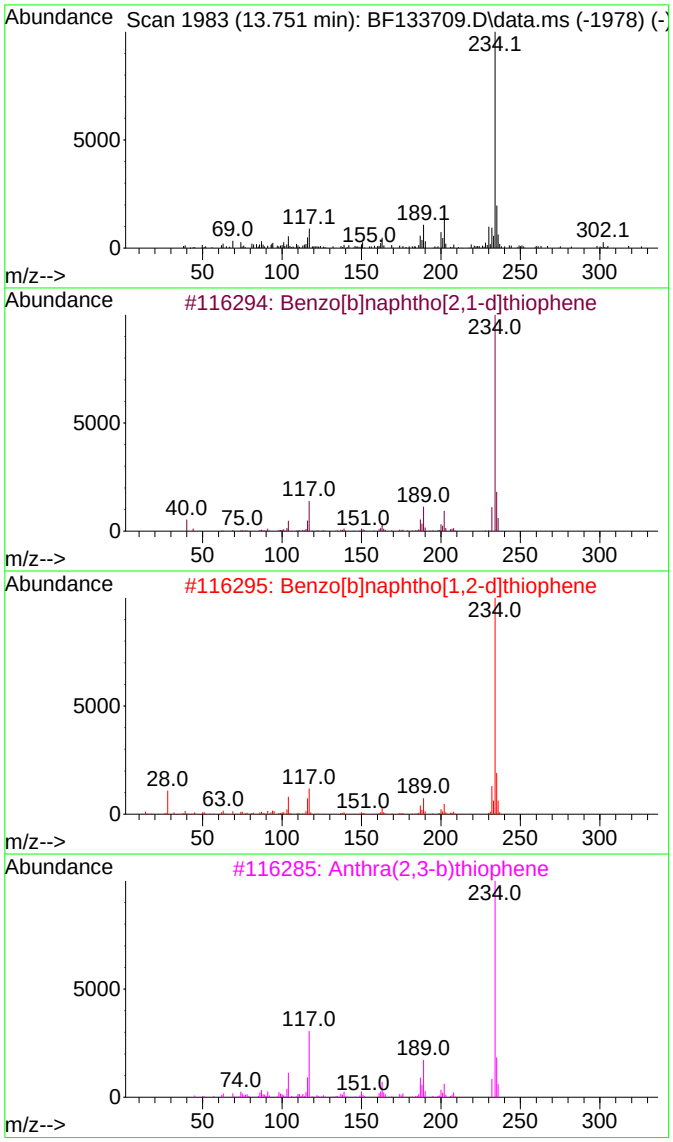
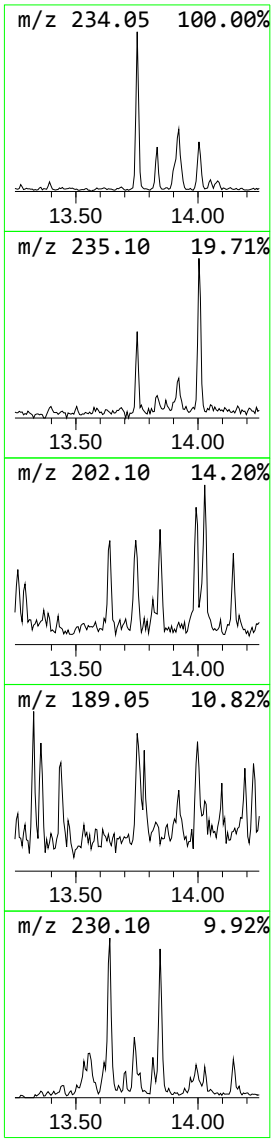
Peak Number 7 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.751 | 2.04 ng | 96964 | Chrysene-d12 | 14.004 |

| 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[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 94 |
| 3 | Anthra(2,3-b)thiophene | 234 | C16H10S | 022108-55-0 | 94 |
| 4 | Phenanthro(2,1-b)thiophene | 234 | C16H10S | 000219-25-0 | 93 |
| 5 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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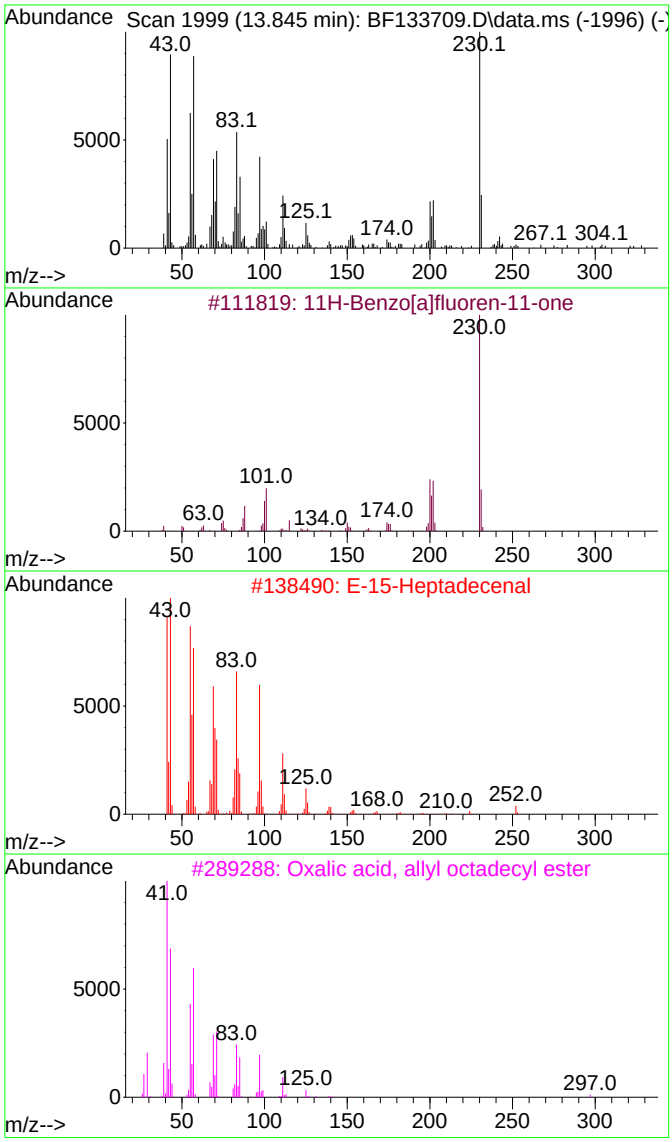
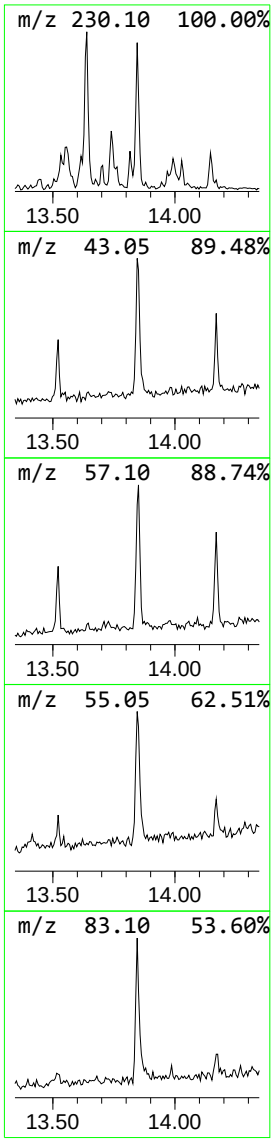
Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.845 | 4.12 ng | 195999 | Chrysene-d12 | 14.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 89 |
| 2 | E-15-Heptadecenal | 252 | C17H32O | 1000130-97-9 | 64 |
| 3 | Oxalic acid, allyl octadecyl ester | 382 | C23H42O4 | 1000309-24-5 | 50 |
| 4 | Propionic acid, 3-iodo-, octadec... | 452 | C21H41IO2 | 1000406-24-9 | 49 |
| 5 | Propionic acid, 3-iodo-, heptade... | 438 | C20H39IO2 | 1000406-24-8 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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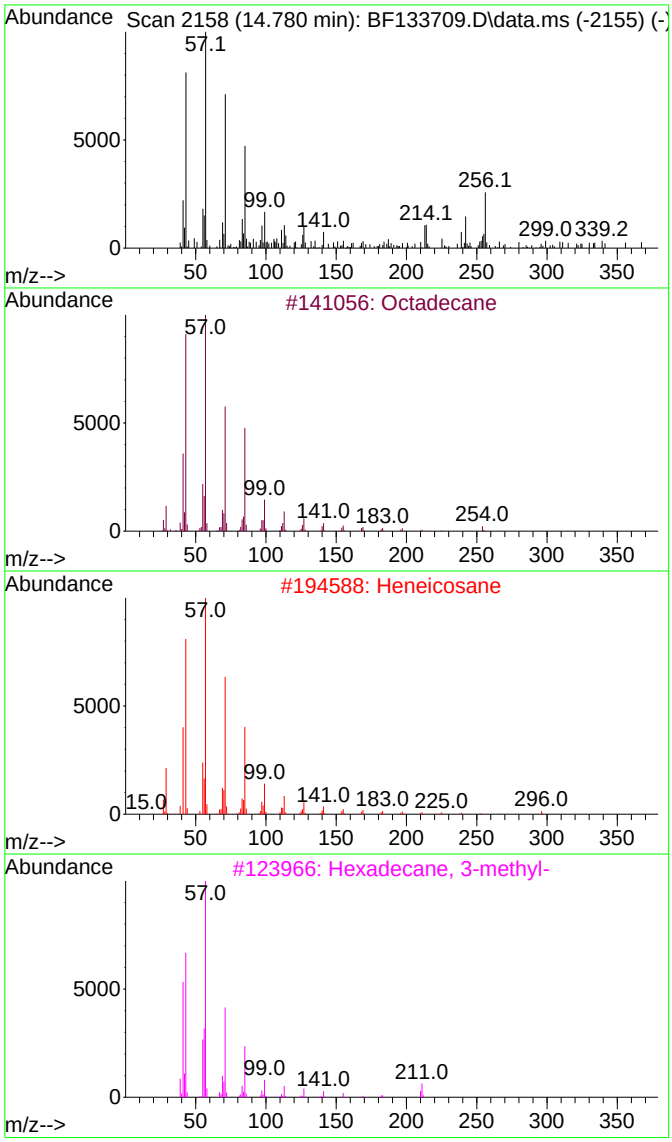
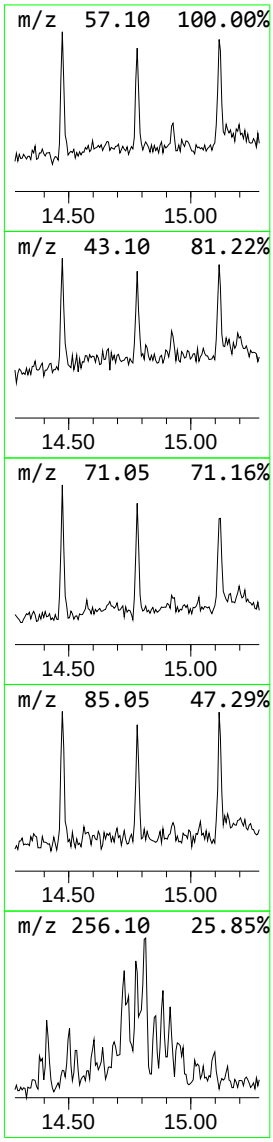
Peak Number 9 Octadecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.780 | 2.15 ng | 48395 | Perylene-d12 | 15.468 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 89 |
| 3 | Hexadecane, 3-methyl- | 240 | C17H36 | 006418-43-5 | 55 |
| 4 | Tricosane | 324 | C23H48 | 000638-67-5 | 55 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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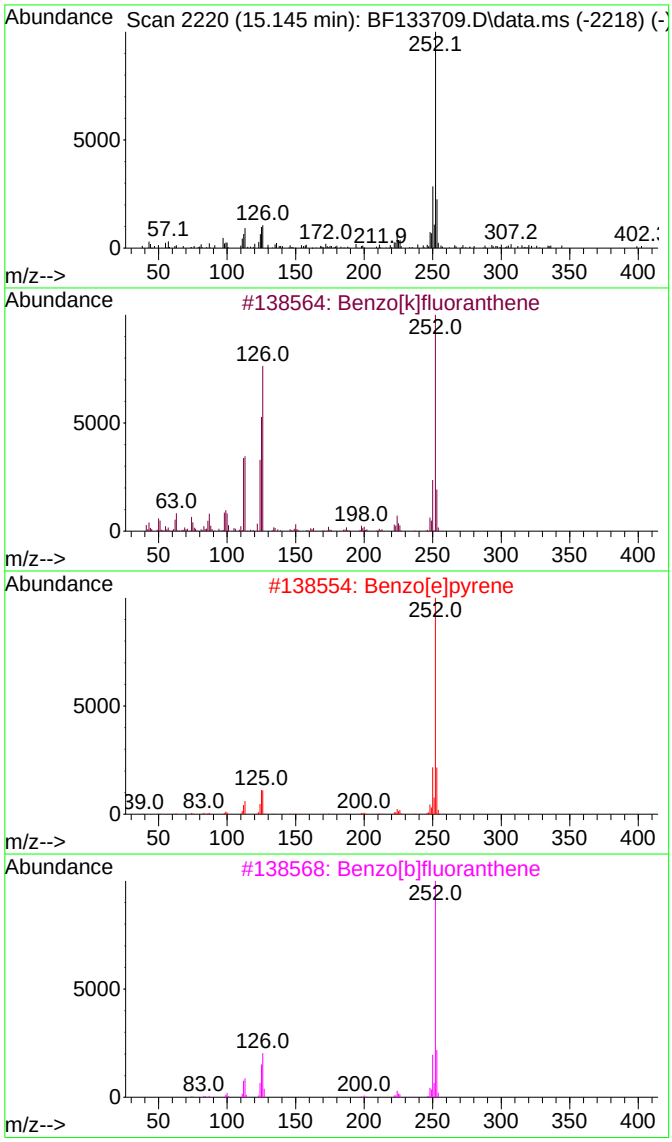
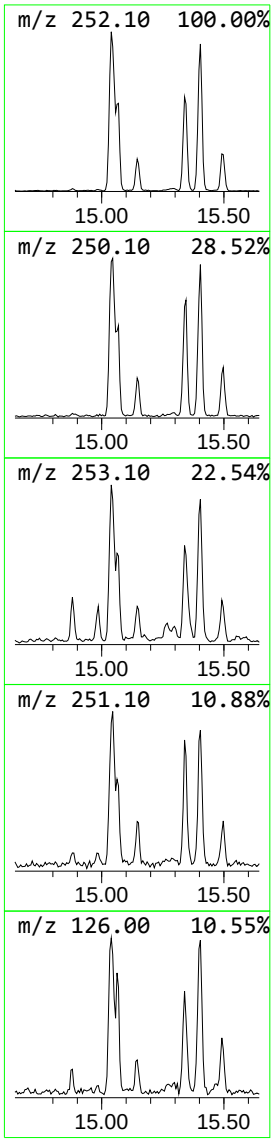
Peak Number 10 Benzo[e]pyrene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.145 | 3.19 ng | 71932 | Perylene-d12 | 15.468 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 94 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 93 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 87 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 86 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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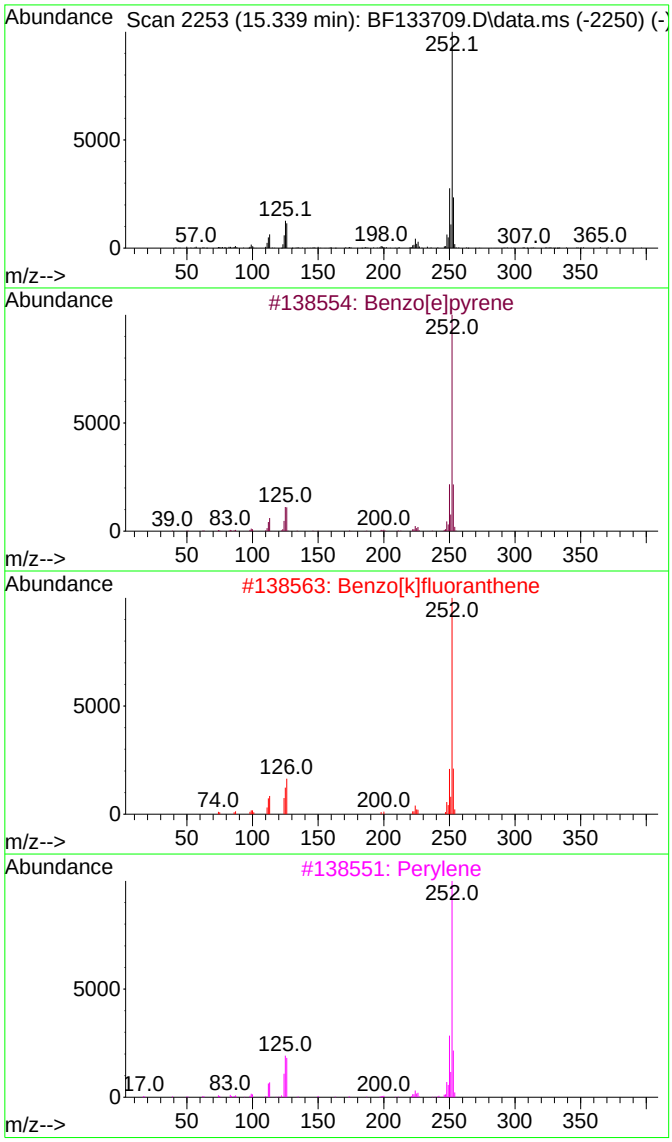
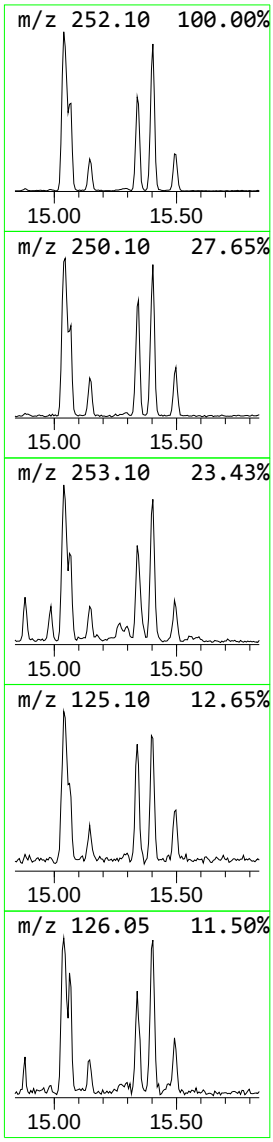
Peak Number 11 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.339 | 9.94 ng | 223985 | Perylene-d12 | 15.468 |

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



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
Acq On : 12 Jun 2023 17:57
Operator : CG\JU
Sample : 03044-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-02-5.0-7.0-DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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-... | 5.051 | 2.3 | ng | 54444 | 1 | 6.834 | 473783 | 20.0 |
| Benzophenone | 10.580 | 4.6 | ng | 137899 | 3 | 9.869 | 597776 | 20.0 |
| Phenanthrene, 1... | 11.857 | 2.5 | ng | 66286 | 4 | 11.357 | 526262 | 20.0 |
| Phenanthrene, 2... | 11.886 | 7.7 | ng | 201310 | 4 | 11.357 | 526262 | 20.0 |
| 4H-Cyclopenta[d... | 11.969 | 5.0 | ng | 130293 | 4 | 11.357 | 526262 | 20.0 |
| Phenanthrene, 2... | 12.410 | 2.1 | ng | 55447 | 4 | 11.357 | 526262 | 20.0 |
| Benzo[b]naphtho... | 13.751 | 2.0 | ng | 96964 | 5 | 14.004 | 952319 | 20.0 |
| 11H-Benzo[a]flu... | 13.845 | 4.1 | ng | 195999 | 5 | 14.004 | 952319 | 20.0 |
| Octadecane | 14.780 | 2.1 | ng | 48395 | 6 | 15.468 | 450763 | 20.0 |
| Benzo[e]pyrene | 15.145 | 3.2 | ng | 71932 | 6 | 15.468 | 450763 | 20.0 |
| Perylene | 15.339 | 9.9 | ng | 223985 | 6 | 15.468 | 450763 | 20.0 |