LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143340.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.269 | 7 | 13 | 25 | rVB | 46938 | 76343 | 2.79% | 0.361% |
| 2 | 5.593 | 574 | 578 | 586 | rBV | 79701 | 106874 | 3.91% | 0.506% |
| 3 | 6.587 | 743 | 747 | 760 | rBV | 69219 | 98526 | 3.60% | 0.466% |
| 4 | 6.963 | 806 | 811 | 825 | rBV | 344499 | 429203 | 15.70% | 2.030% |
| 5 | 7.516 | 900 | 905 | 915 | rBV | 45768 | 61879 | 2.26% | 0.293% |
| 6 | 8.245 | 1023 | 1029 | 1039 | rBV | 449829 | 594242 | 21.74% | 2.811% |
| 7 | 9.316 | 1204 | 1211 | 1220 | rBV | 113259 | 155176 | 5.68% | 0.734% |
| 8 | 9.998 | 1319 | 1327 | 1331 | rBV | 441786 | 583865 | 21.36% | 2.762% |
| 9 | 10.028 | 1331 | 1332 | 1337 | rVB | 56578 | 58479 | 2.14% | 0.277% |
| 10 | 10.204 | 1358 | 1362 | 1365 | rBV | 25751 | 42352 | 1.55% | 0.200% |
| 11 | 10.492 | 1403 | 1411 | 1415 | rBV8 | 30891 | 107028 | 3.92% | 0.506% |
| 12 | 10.545 | 1416 | 1420 | 1425 | rVV | 88667 | 132506 | 4.85% | 0.627% |
| 13 | 10.786 | 1458 | 1461 | 1467 | rVB2 | 65755 | 91520 | 3.35% | 0.433% |
| 14 | 11.386 | 1559 | 1563 | 1574 | rBV | 92337 | 211778 | 7.75% | 1.002% |
| 15 | 11.492 | 1576 | 1581 | 1582 | rBV | 378655 | 522473 | 19.11% | 2.471% |
| 16 | 11.516 | 1582 | 1585 | 1589 | rVB | 899780 | 1100196 | 40.25% | 5.204% |
| 17 | 11.563 | 1589 | 1593 | 1597 | rBV | 208783 | 282887 | 10.35% | 1.338% |
| 18 | 11.716 | 1615 | 1619 | 1623 | rBV | 102319 | 146297 | 5.35% | 0.692% |
| 19 | 12.104 | 1681 | 1685 | 1688 | rBV | 172221 | 226705 | 8.29% | 1.072% |
| 20 | 12.286 | 1713 | 1716 | 1717 | rBV | 86500 | 95671 | 3.50% | 0.453% |
| 21 | 12.627 | 1771 | 1774 | 1782 | rBV | 50645 | 113137 | 4.14% | 0.535% |
| 22 | 12.710 | 1783 | 1788 | 1793 | rVB | 1952643 | 2589936 | 94.75% | 12.251% |
| 23 | 12.939 | 1819 | 1827 | 1832 | rBV | 1732523 | 2733380 | 100.00% | 12.930% |
| 24 | 13.069 | 1843 | 1849 | 1857 | rBV3 | 165404 | 403177 | 14.75% | 1.907% |
| 25 | 13.151 | 1858 | 1863 | 1866 | rBV2 | 99502 | 176801 | 6.47% | 0.836% |
| 26 | 13.257 | 1874 | 1881 | 1889 | rVB | 253145 | 487073 | 17.82% | 2.304% |
| 27 | 13.327 | 1889 | 1893 | 1896 | rBV | 168097 | 206844 | 7.57% | 0.978% |
| 28 | 13.363 | 1896 | 1899 | 1902 | rBV2 | 77006 | 95447 | 3.49% | 0.451% |
| 29 | 13.457 | 1913 | 1915 | 1918 | rBV | 35271 | 37757 | 1.38% | 0.179% |
| 30 | 13.486 | 1918 | 1920 | 1930 | rVB4 | 58839 | 85835 | 3.14% | 0.406% |
| 31 | 13.769 | 1964 | 1968 | 1973 | rVB | 126022 | 188223 | 6.89% | 0.890% |
| 32 | 13.880 | 1982 | 1987 | 1990 | rBV3 | 185346 | 281047 | 10.28% | 1.329% |
| 33 | 13.910 | 1990 | 1992 | 1994 | rVV | 124796 | 143353 | 5.24% | 0.678% |
| 34 | 13.939 | 1994 | 1997 | 2000 | rVV2 | 145600 | 228377 | 8.36% | 1.080% |
| 35 | 13.974 | 2000 | 2003 | 2009 | rVB2 | 162814 | 225410 | 8.25% | 1.066% |
| 36 | 14.051 | 2012 | 2016 | 2020 | rBV | 62205 | 104527 | 3.82% | 0.494% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 14.127 | 2021 | 2029 | 2032 | rVV3 | 1066140 | 1863788 | 68.19% | 8.816% |
| 38 | 14.163 | 2032 | 2035 | 2041 | rVB | 845975 | 1140776 | 41.73% | 5.396% |
| 39 | 14.239 | 2044 | 2048 | 2052 | rBV | 205993 | 274825 | 10.05% | 1.300% |
| 40 | 14.351 | 2063 | 2067 | 2071 | rBV2 | 131744 | 174065 | 6.37% | 0.823% |
| 41 | 14.716 | 2125 | 2129 | 2135 | rBV3 | 65211 | 118220 | 4.33% | 0.559% |
| 42 | 14.916 | 2160 | 2163 | 2167 | rBV2 | 47389 | 88186 | 3.23% | 0.417% |
| 43 | 15.198 | 2206 | 2211 | 2220 | rBV | 650266 | 1443679 | 52.82% | 6.829% |
| 44 | 15.404 | 2242 | 2246 | 2253 | rBV3 | 73877 | 219705 | 8.04% | 1.039% |
| 45 | 15.516 | 2260 | 2265 | 2271 | rVB | 428513 | 650313 | 23.79% | 3.076% |
| 46 | 15.580 | 2271 | 2276 | 2282 | rVB | 530121 | 815057 | 29.82% | 3.855% |
| 47 | 15.645 | 2282 | 2287 | 2290 | rBV | 218419 | 371491 | 13.59% | 1.757% |
| 48 | 17.192 | 2544 | 2550 | 2559 | rVB2 | 181395 | 396363 | 14.50% | 1.875% |
| 49 | 17.662 | 2623 | 2630 | 2642 | rVB | 146020 | 359511 | 13.15% | 1.701% |

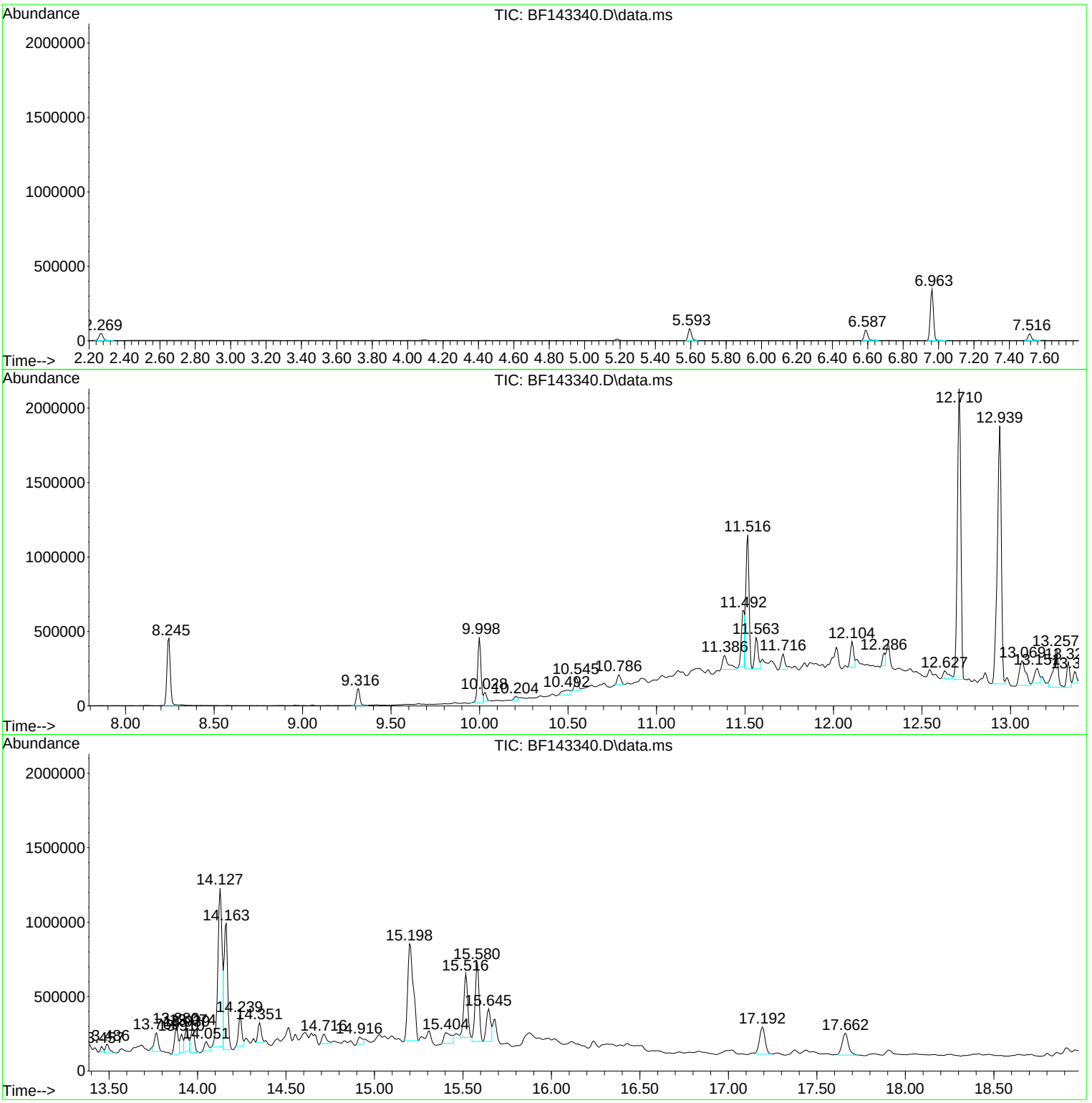
Sum of corrected areas: 21140303

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

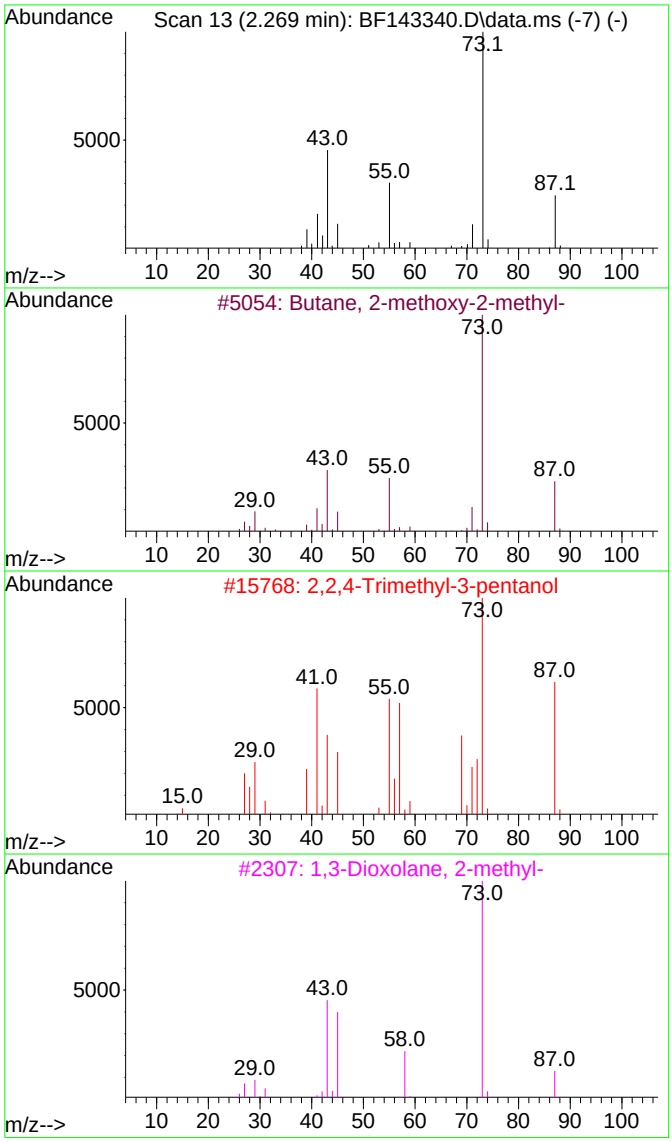
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

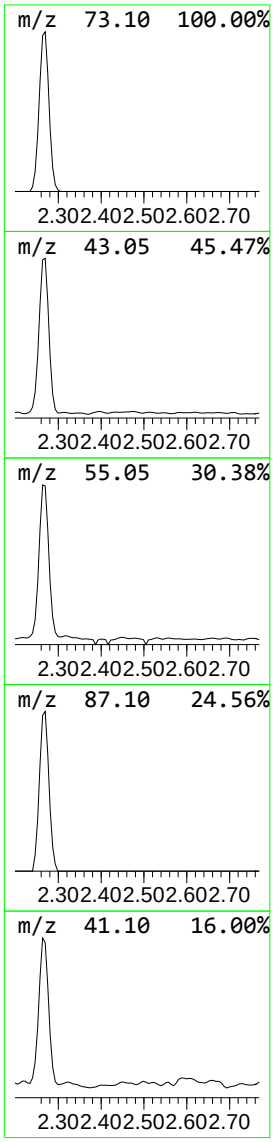
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.269 | 3.56 ng | 76343 | 1,4-Dichlorobenzene-d4 | 6.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 72 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 28 |
| 4 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 17 |
| 5 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 17 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

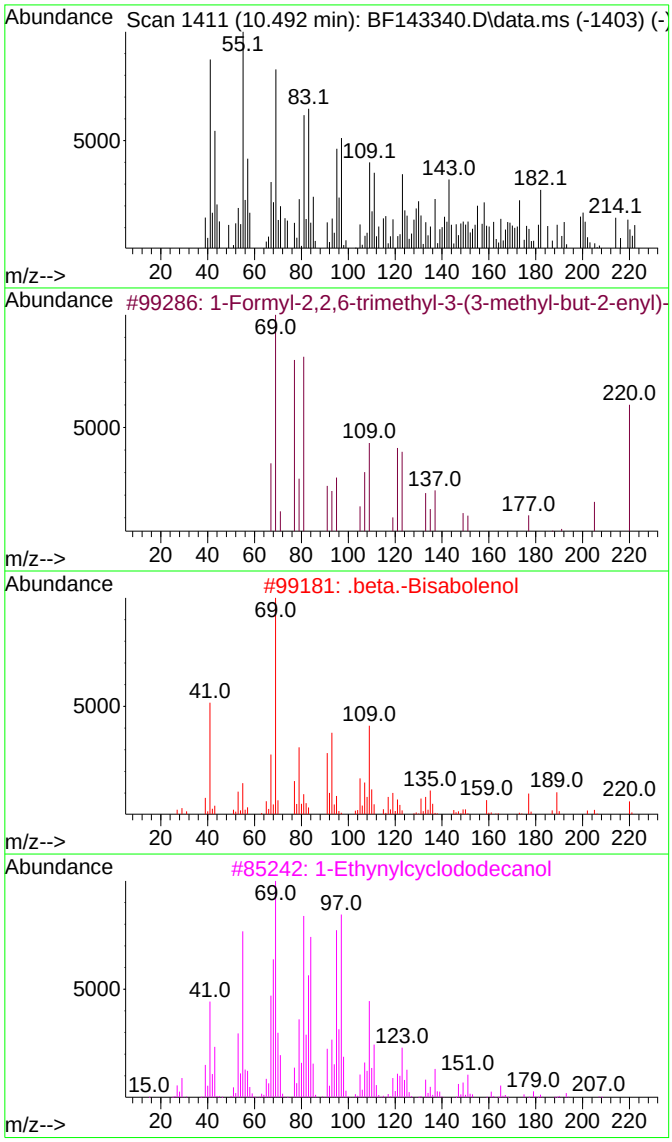
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

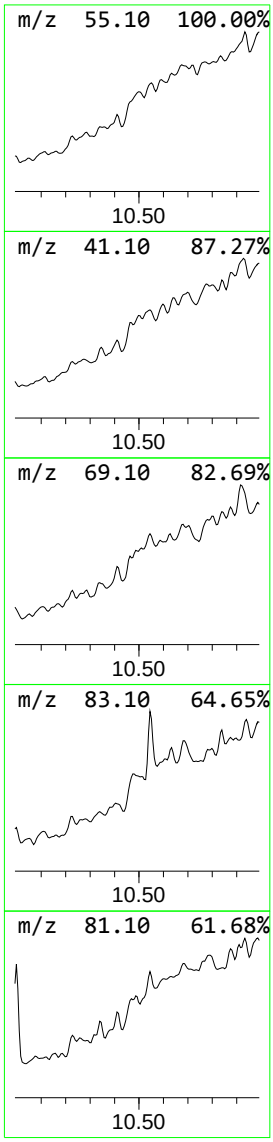
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 1-Formyl-2,2,6-trimethyl-3-... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.492 | 3.67 ng | 107028 | Acenaphthene-d10 | 9.998 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Formyl-2,2,6-trimethyl-3-(3-me... | 220 | C15H24O | 108287-18-9 | 64 |
| 2 | .beta.-Bisabolenol | 220 | C15H24O | 147126-90-7 | 52 |
| 3 | 1-Ethynylcyclododecanol | 208 | C14H24O | 1000484-40-4 | 52 |
| 4 | Citronellal | 154 | C10H18O | 000106-23-0 | 46 |
| 5 | 4-Nonene, 5-butyl- | 182 | C13H26 | 007367-38-6 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

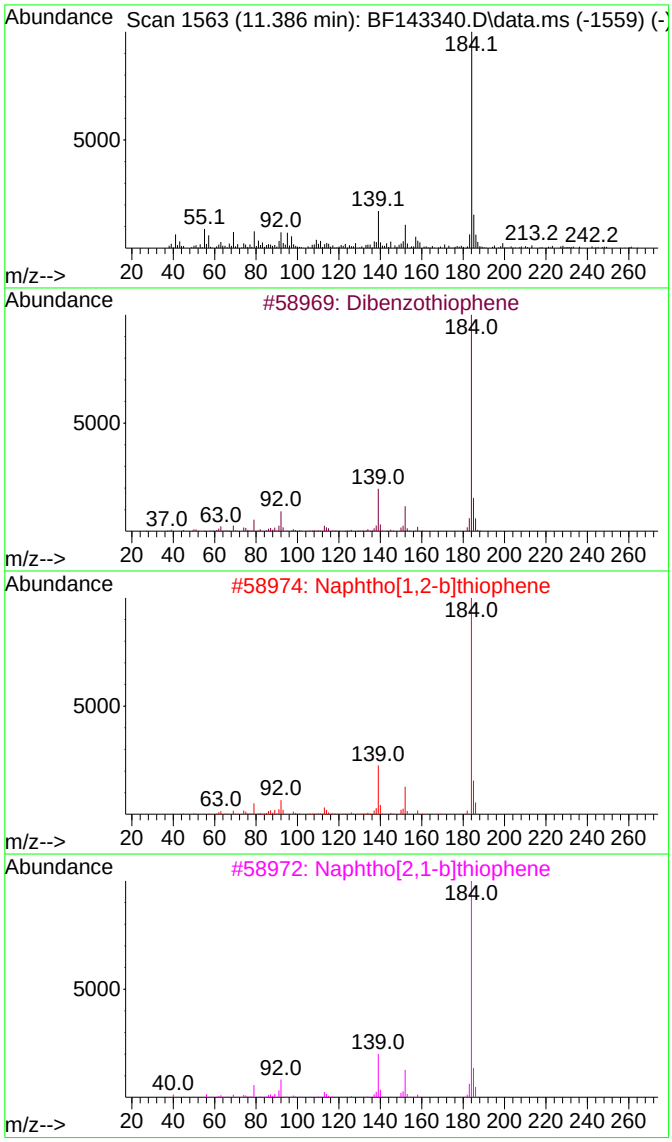
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

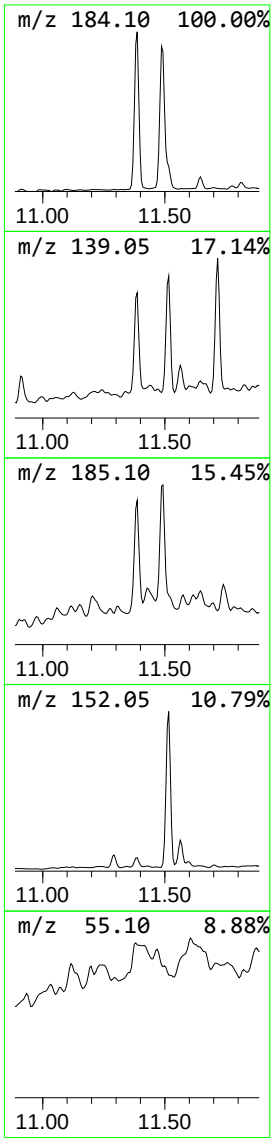
**********

Peak Number 3 Dibenzothiophene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.386 | 8.11 ng | 211778 | Phenanthrene-d10 | 11.486 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 94 |
| 2 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 91 |
| 3 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 90 |
| 4 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 87 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

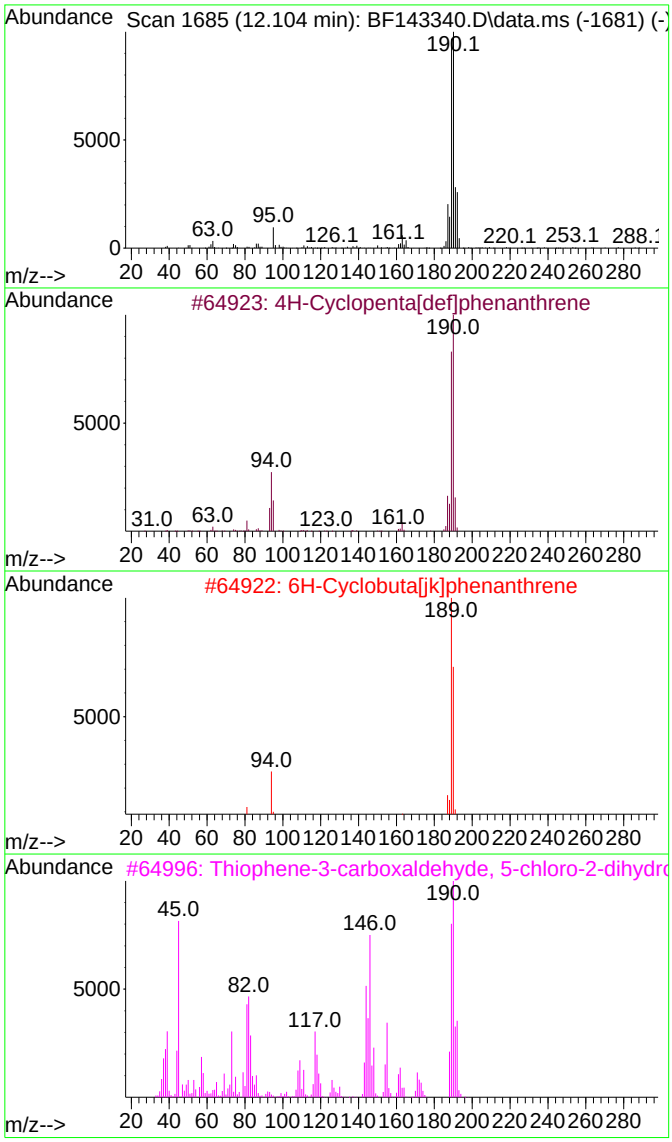
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

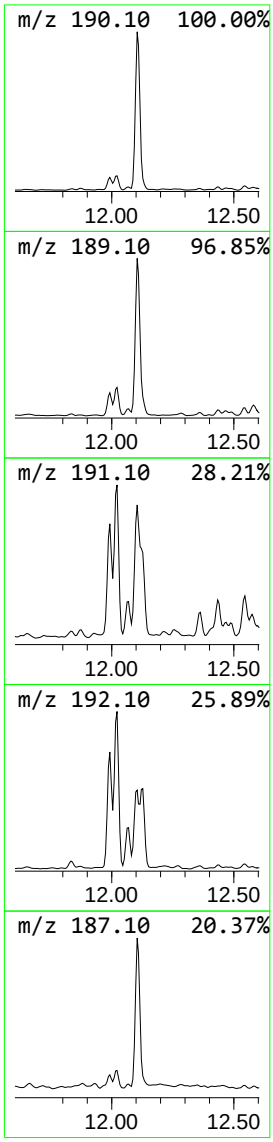
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.104 | 8.68 ng | 226705 | Phenanthrene-d10 | 11.486 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 81 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 3 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 52 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 42 |
| 5 | Pyrimidine, 6-oxo-4-(3-fluorophe... | 190 | C10H7FN2O | 085979-55-1 | 23 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

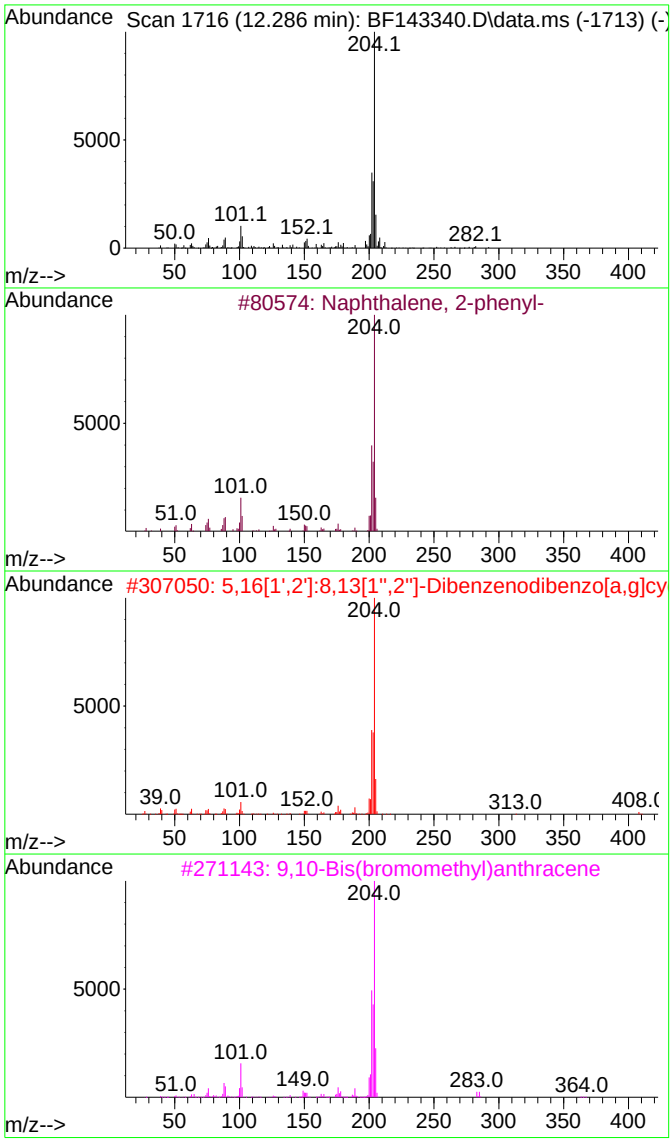
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

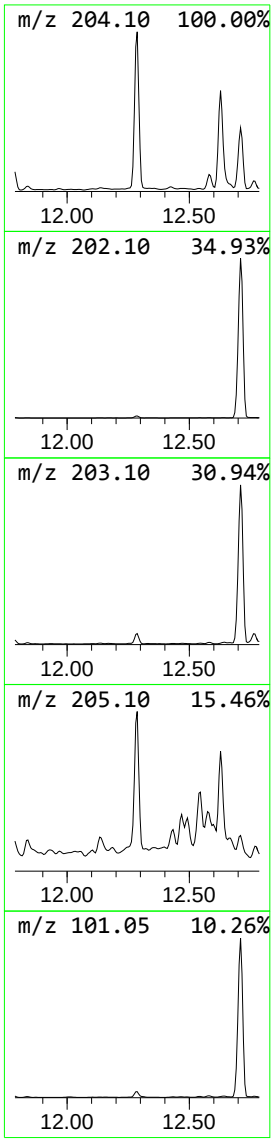
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.286 | 3.66 ng | 95671 | Phenanthrene-d10 | 11.486 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 94 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 86 |
| 3 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 62 |
| 4 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 59 |
| 5 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

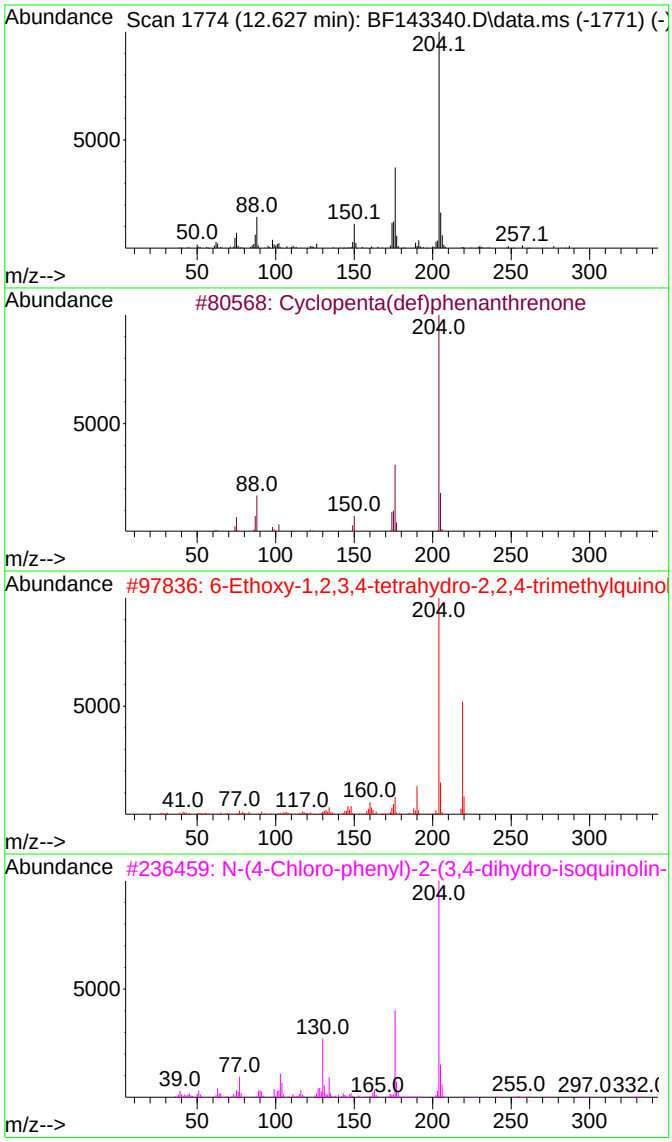
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

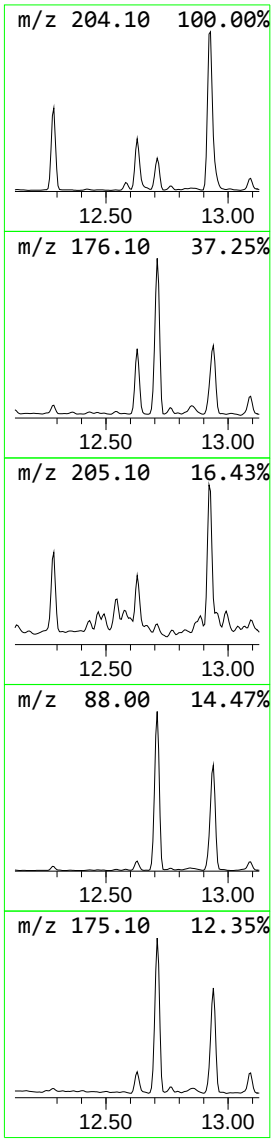
**********

Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.628 | 4.33 ng | 113137 | Phenanthrene-d10 | 11.486 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 91 |
| 2 | 6-Ethoxy-1,2,3,4-tetrahydro-2,2,... | 219 | C14H21NO | 016489-90-0 | 53 |
| 3 | N-(4-Chloro-phenyl)-2-(3,4-dihyd... | 330 | C17H15ClN2OS | 1010296-34-3 | 53 |
| 4 | 9-Acridinecarbonitrile | 204 | C14H8N2 | 005326-19-2 | 50 |
| 5 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

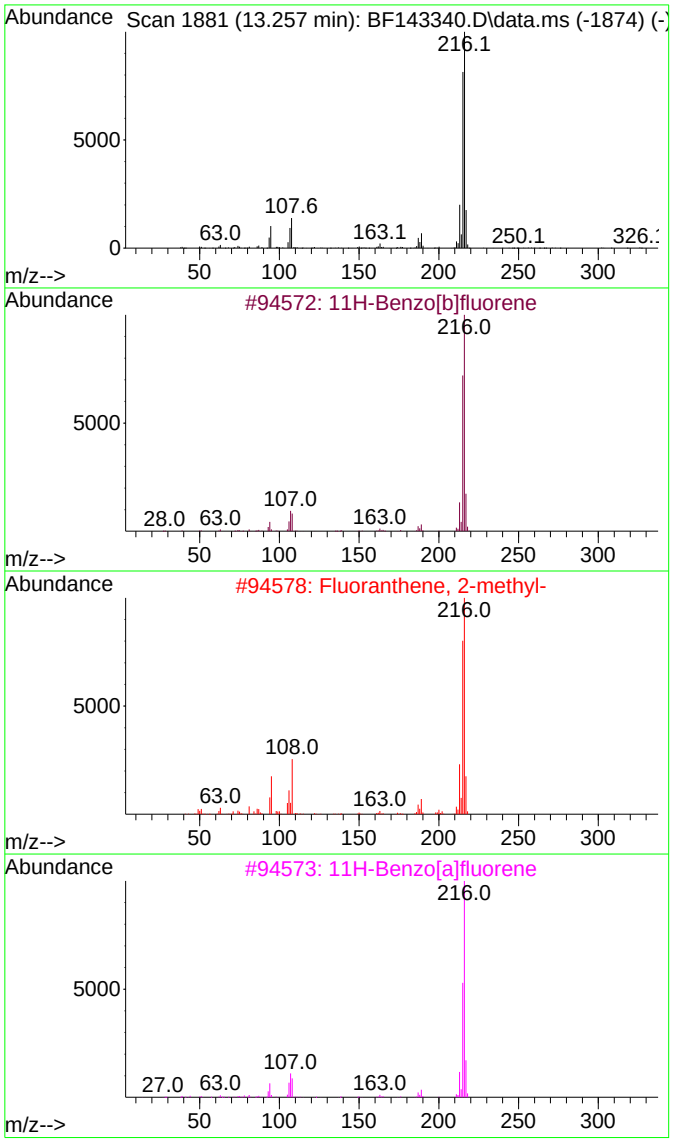
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

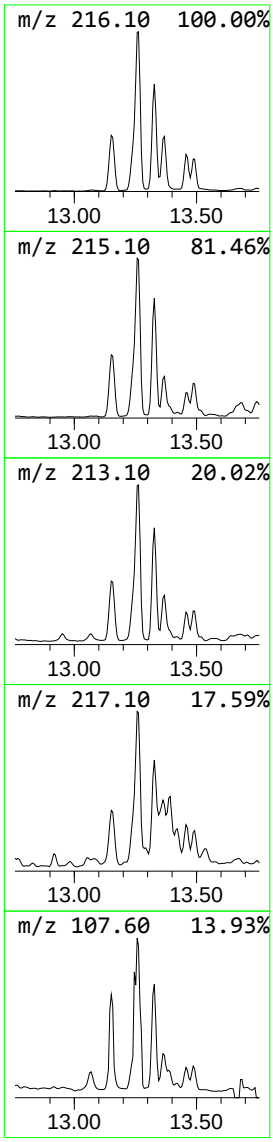
**********

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.257 | 5.23 ng | 487073 | Chrysene-d12 | 14.133 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 96 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 95 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 94 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

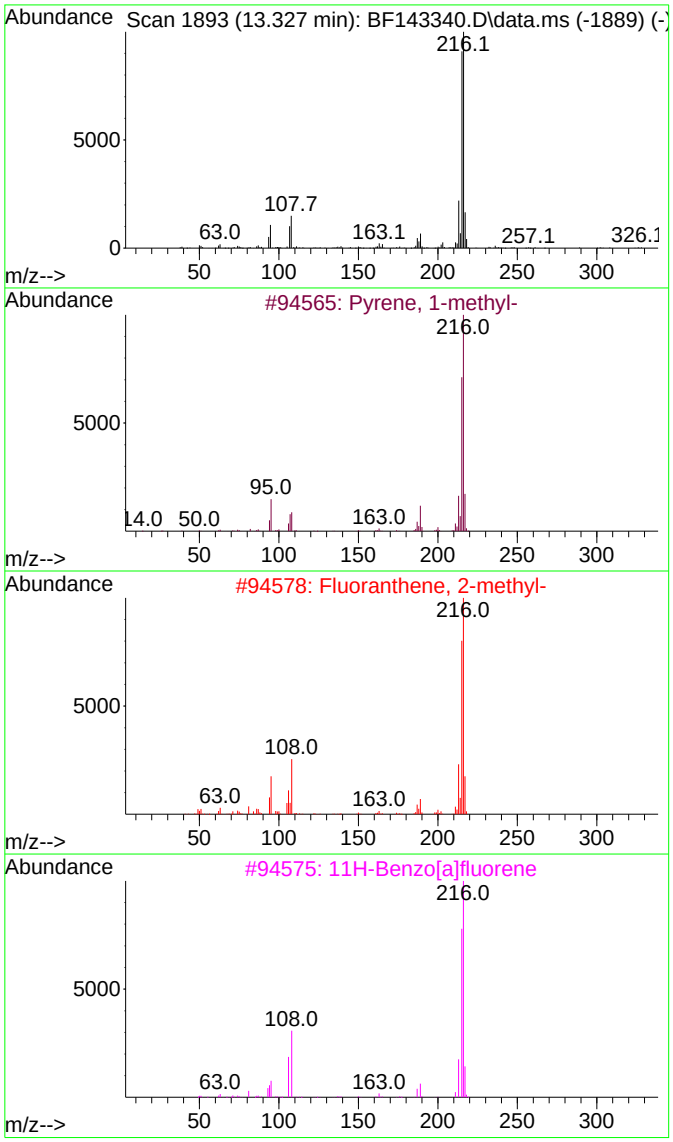
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

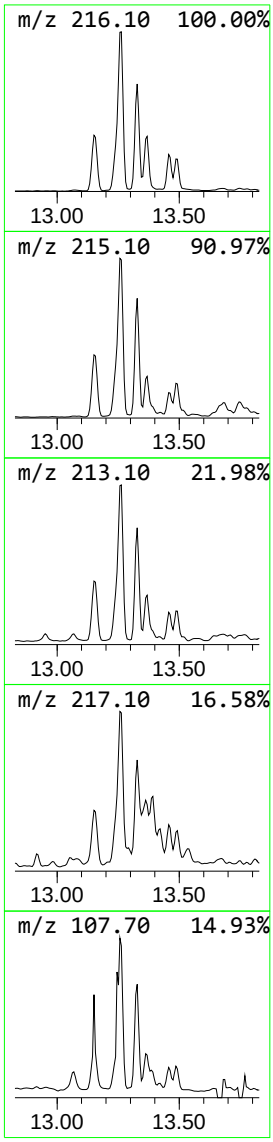
**********

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.327 | 2.22 ng | 206844 | Chrysene-d12 | 14.133 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 94 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 5 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

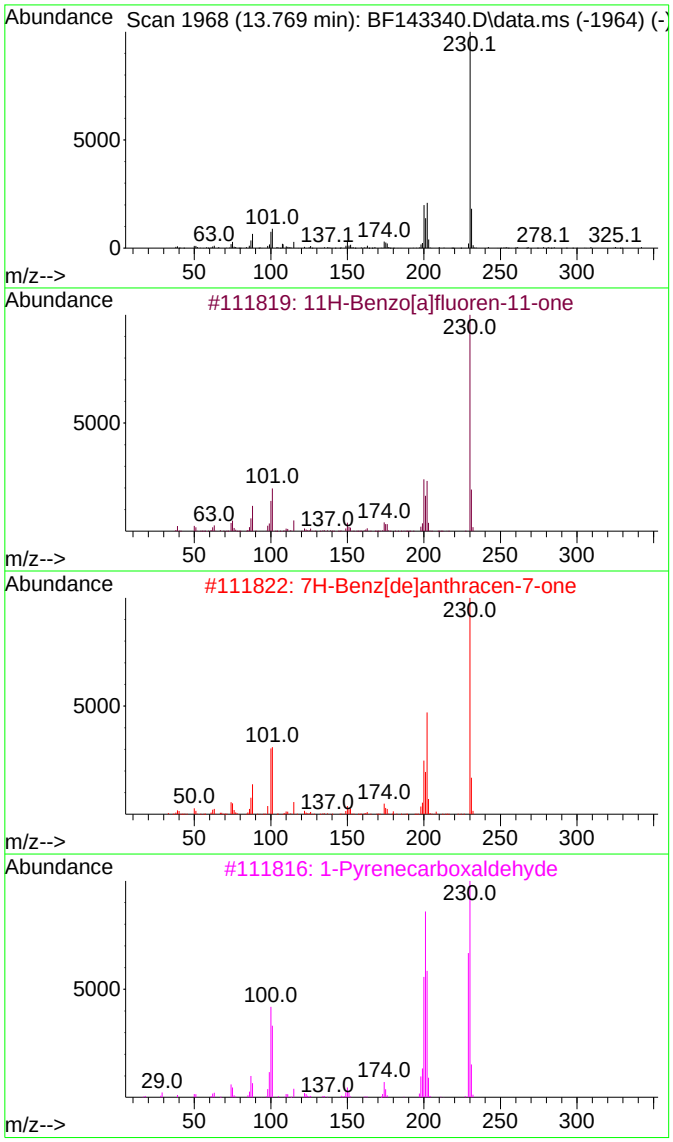
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

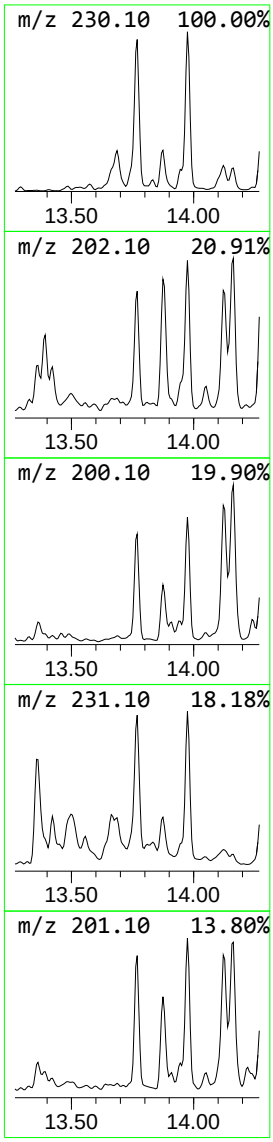
**********

Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.769 | 2.02 ng | 188223 | Chrysene-d12 | 14.133 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 97 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 90 |
| 3 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 78 |
| 4 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 72 |
| 5 | 6,6-Diphenylfulvene | 230 | C18H14 | 002175-90-8 | 64 |



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Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

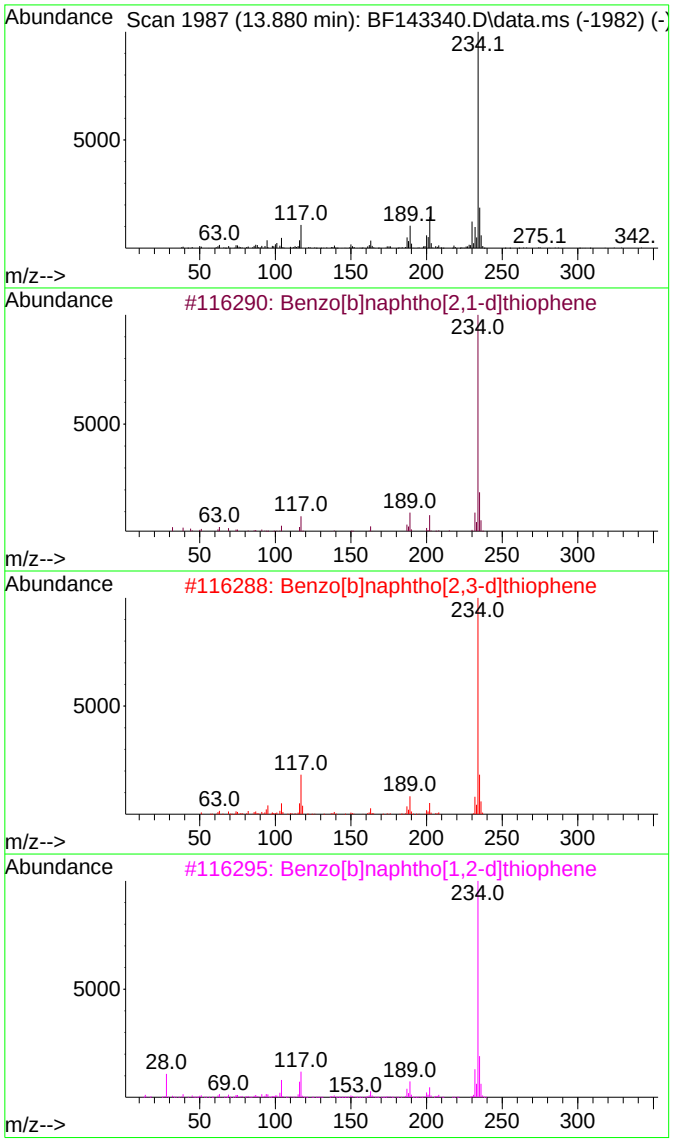
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

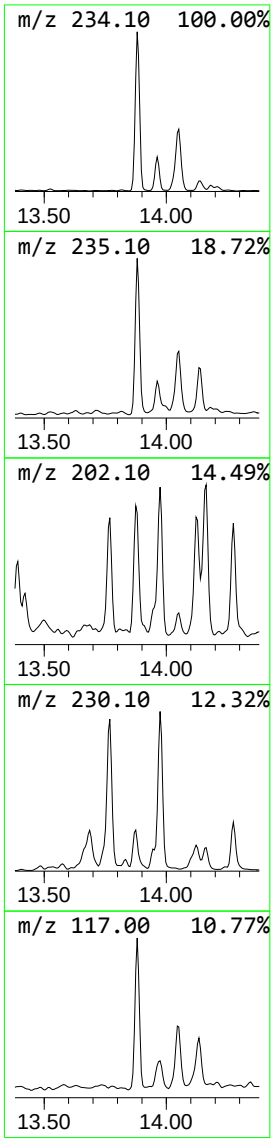
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.880 | 3.02 ng | 281047 | Chrysene-d12 | 14.133 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 96 |
| 2 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 90 |
| 3 | Benzo[b]naphtho[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 81 |
| 4 | Phenanthro(2,1-b)thiophene | 234 | C16H10S | 000219-25-0 | 68 |
| 5 | Quinoxalino[2,3-b]quinoxaline, 5... | 234 | C14H10N4 | 000531-46-4 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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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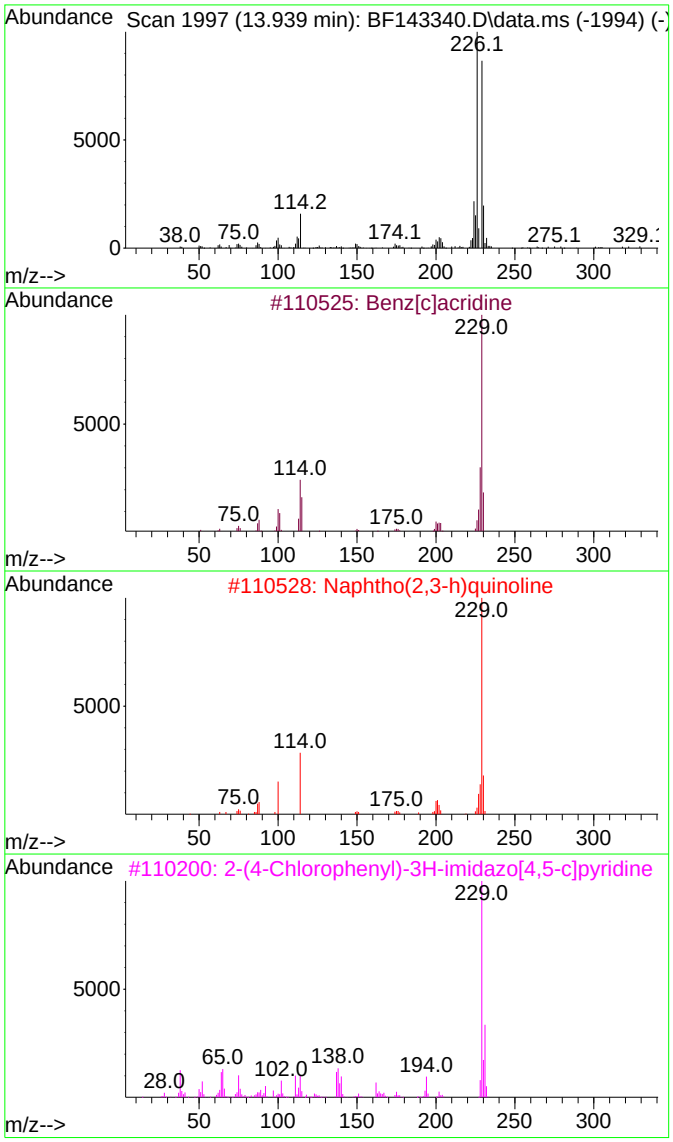
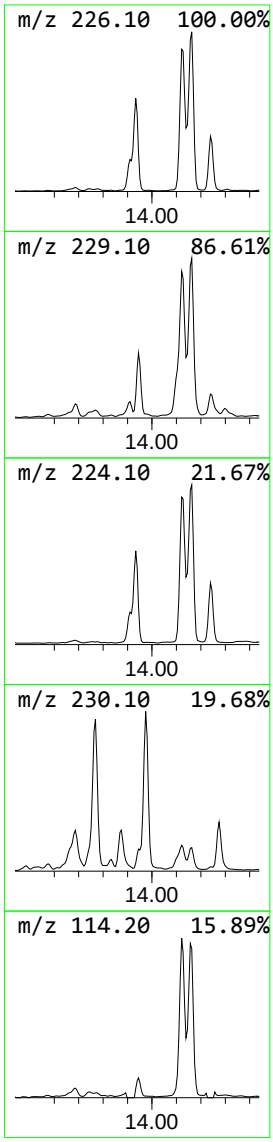
Peak Number 11 unknown13.939 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.939 | 2.45 ng | 228377 | Chrysene-d12 | 14.133 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[c]acridine | 229 | C17H11N | 000225-51-4 | 38 |
| 2 | Naphtho(2,3-h)quinoline | 229 | C17H11N | 000084-56-0 | 35 |
| 3 | 2-(4-Chlorophenyl)-3H-imidazo[4,... | 229 | C12H8ClN3 | 075007-94-2 | 35 |
| 4 | 2-Chloro-9(10H)-acridinone | 229 | C13H8ClNO | 007497-52-1 | 27 |
| 5 | Glutaric acid, diamide, N,N'-di(... | 354 | C21H42N2O2 | 1000360-86-3 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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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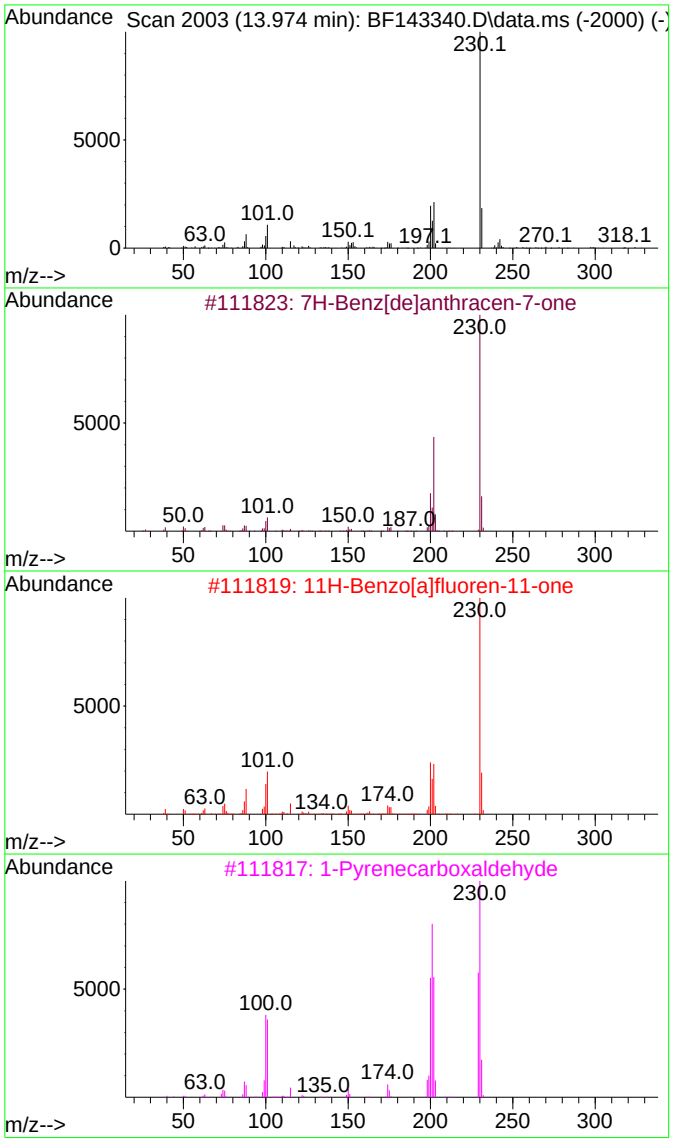
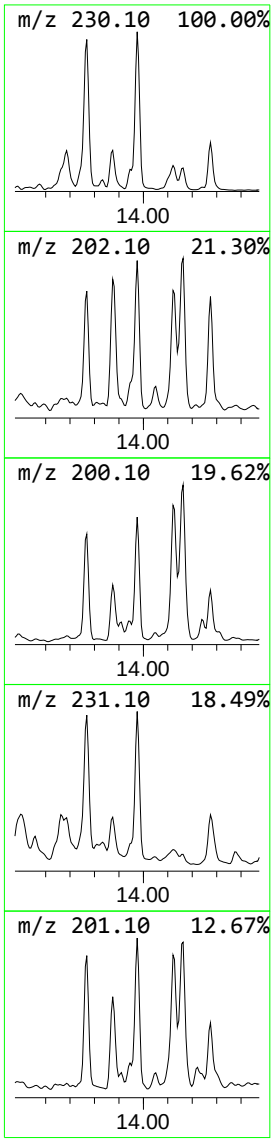
Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.974 | 2.42 ng | 225410 | Chrysene-d12 | 14.133 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 90 |
| 2 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 86 |
| 3 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 56 |
| 4 | Pyrene, 1,3-dimethyl- | 230 | C18H14 | 064401-21-4 | 53 |
| 5 | 4-Isothiazolecarbonitrile, 3,5-b... | 230 | C8H10N2S3 | 024135-13-5 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

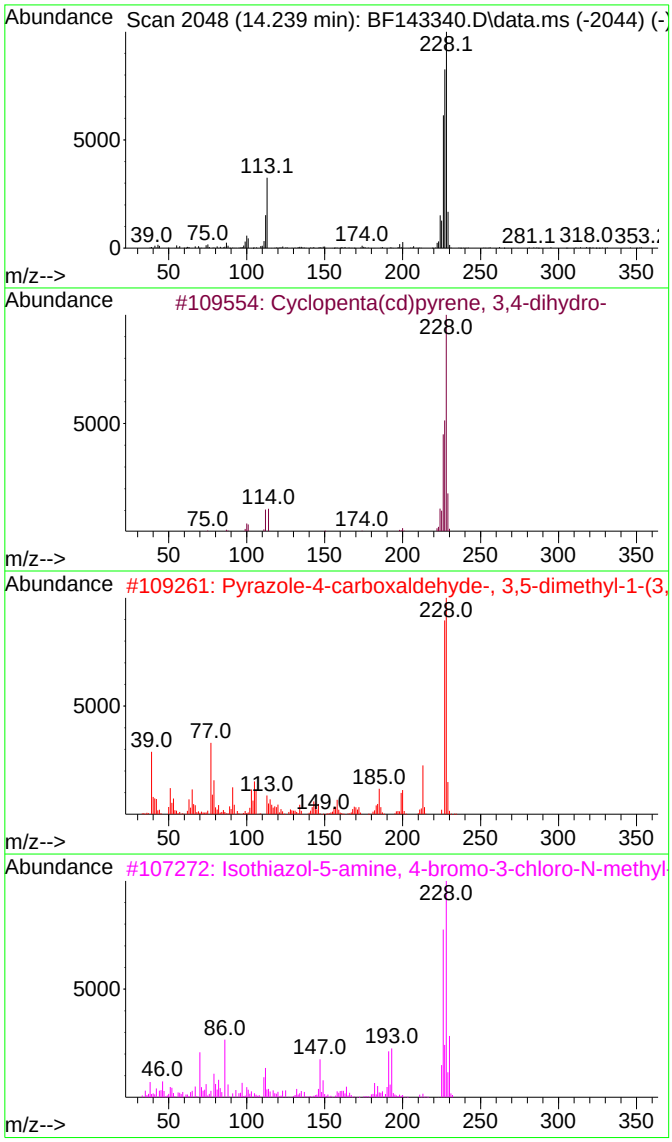
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

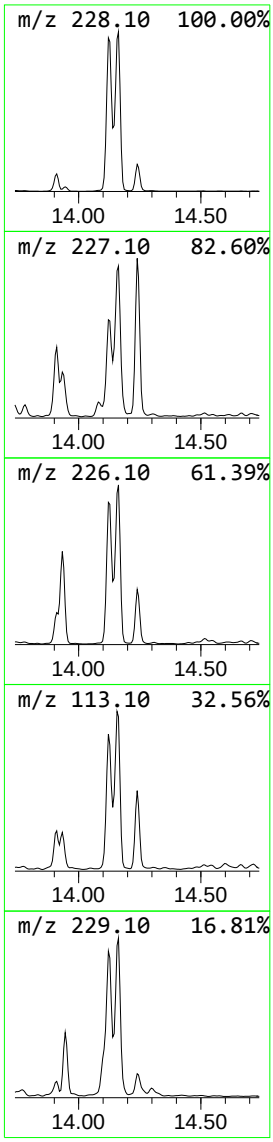
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.239 | 2.95 ng | 274825 | Chrysene-d12 | 14.133 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12 | 025732-74-5 | 55 |
| 2 | Pyrazole-4-carboxaldehyde-, 3,5-... | 228 | C14H16N2O | 1000272-54-8 | 50 |
| 3 | Isothiazol-5-amine, 4-bromo-3-ch... | 226 | C4H4BrClN2S | 1000272-59-9 | 50 |
| 4 | 5-Phenylthieno[2,3-d]pyrimidin-4-ol | 228 | C12H8N2OS | 035978-39-3 | 50 |
| 5 | Dimethyl-[4-[2-(3-methylisoxazol... | 228 | C14H16N2O | 1000306-39-6 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

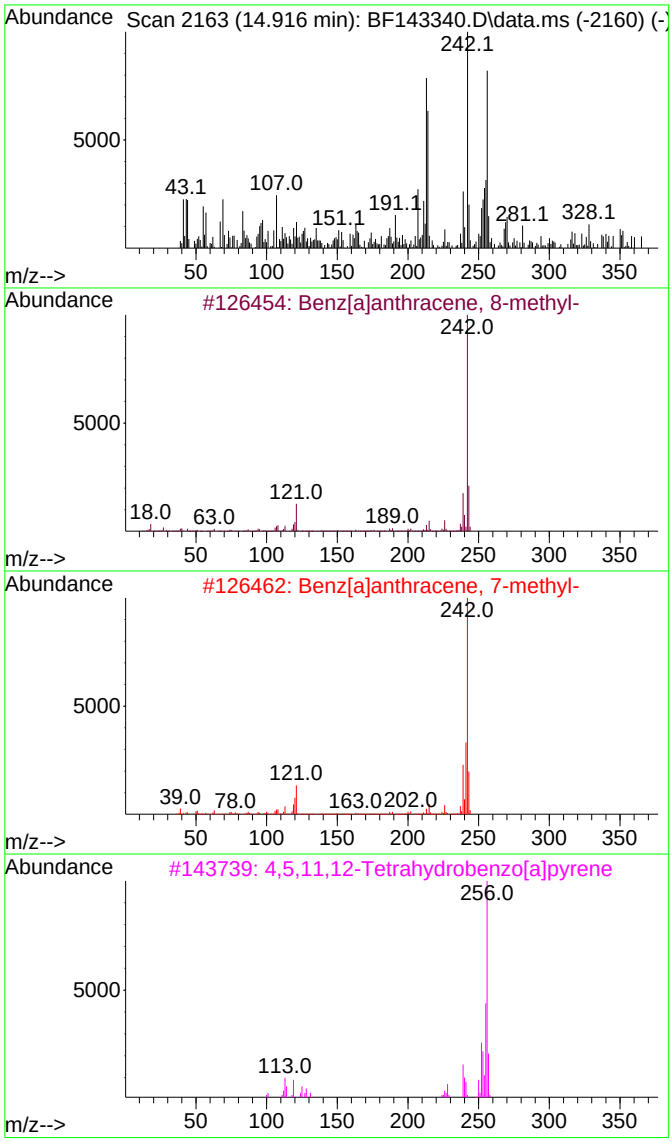
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

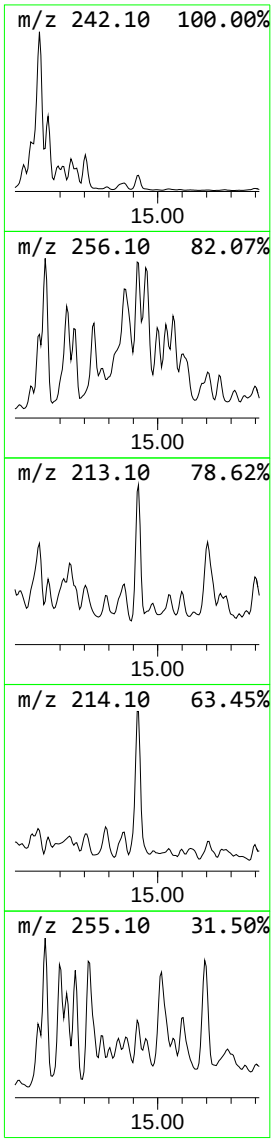
**********

Peak Number 14 Benz[a]anthracene, 8-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.916 | 4.75 ng | 88186 | Perylene-d12 | 15.645 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[a]anthracene, 8-methyl- | 242 | C19H14 | 002381-31-9 | 56 |
| 2 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 44 |
| 3 | 4,5,11,12-Tetrahydrobenzo[a]pyrene | 256 | C20H16 | 109292-58-2 | 35 |
| 4 | Benz[a]anthracene, 10-methyl- | 242 | C19H14 | 002381-15-9 | 25 |
| 5 | Chrysene, 5-methyl- | 242 | C19H14 | 003697-24-3 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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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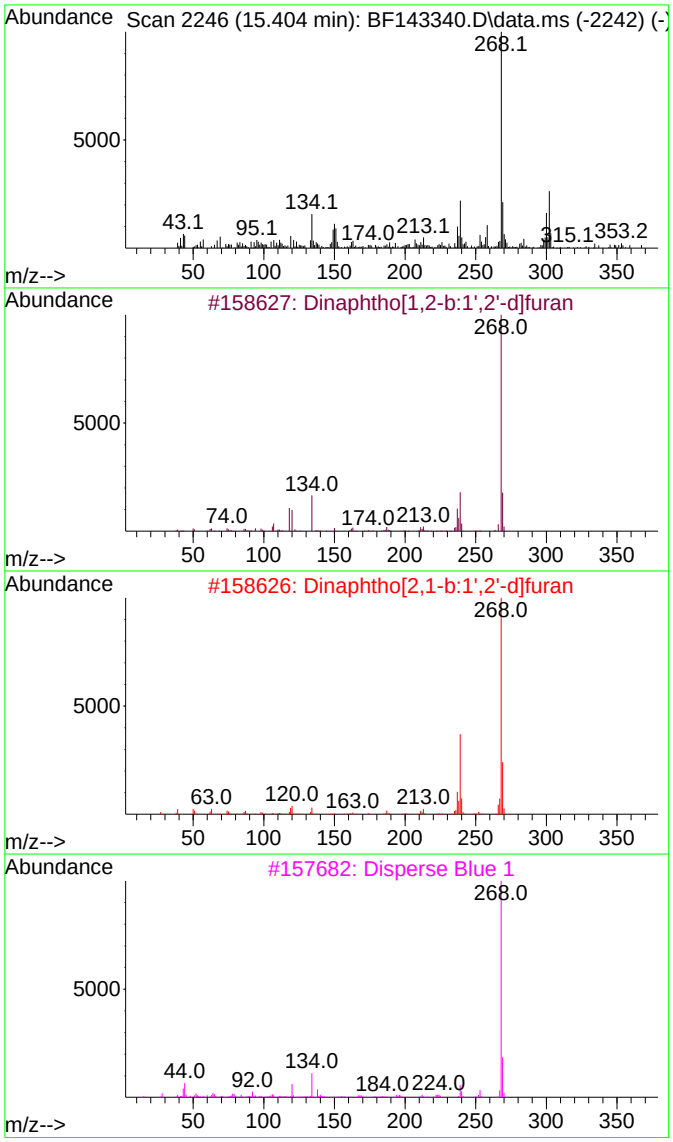
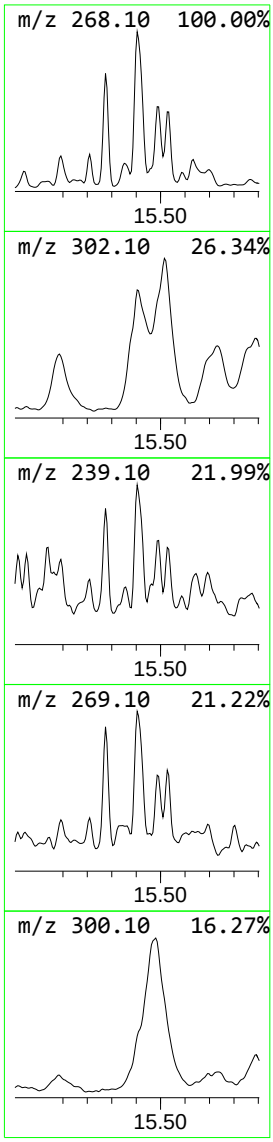
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.404 | 11.83 ng | 219705 | Perylene-d12 | 15.645 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dinaphtho[1,2-b:1',2'-d]furan | 268 | C20H12O | 000207-93-2 | 86 |
| 2 | Dinaphtho[2,1-b:1',2'-d]furan | 268 | C20H12O | 000194-63-8 | 58 |
| 3 | Disperse Blue 1 | 268 | C14H12N4O2 | 002475-45-8 | 55 |
| 4 | Benzo(a)pyren-7-ol | 268 | C20H12O | 037994-82-4 | 49 |
| 5 | Estra-1,3,5(10)-trien-17-one, 3-... | 300 | C19H24O3 | 074299-17-5 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

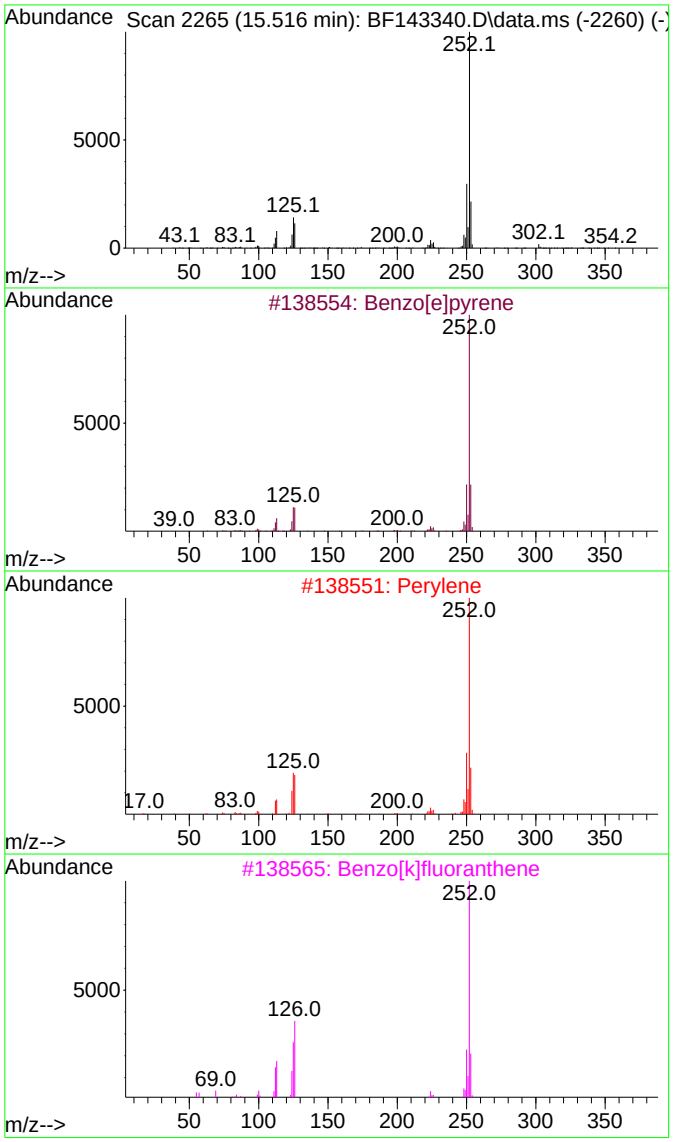
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

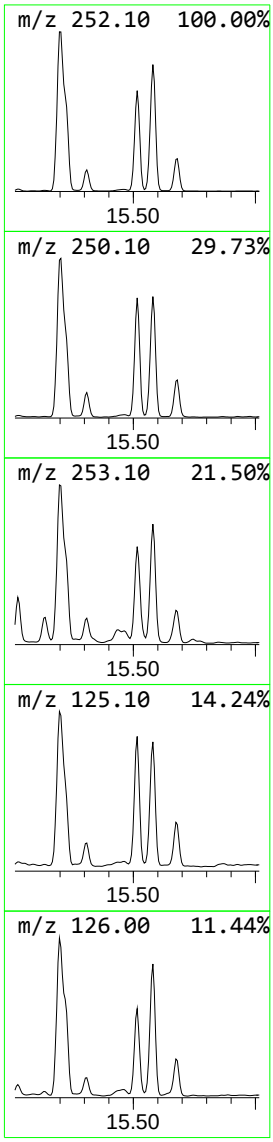
**********

Peak Number 16 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.515 | 35.01 ng | 650313 | Perylene-d12 | 15.645 |

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



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143340.D
Acq On : 06 Aug 2025 20:07
Operator : RC/JU
Sample : Q2774-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
254

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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... | 2.269 | 3.6 | ng | 76343 | 1 | 6.963 | 429203 | 20.0 |
| 1-Formyl-2,2,6-... | 10.492 | 3.7 | ng | 107028 | 3 | 9.998 | 583865 | 20.0 |
| Dibenzothiophene | 11.386 | 8.1 | ng | 211778 | 4 | 11.486 | 522473 | 20.0 |
| 4H-Cyclopenta[d... | 12.104 | 8.7 | ng | 226705 | 4 | 11.486 | 522473 | 20.0 |
| Naphthalene, 2-... | 12.286 | 3.7 | ng | 95671 | 4 | 11.486 | 522473 | 20.0 |
| Cyclopenta(def)... | 12.628 | 4.3 | ng | 113137 | 4 | 11.486 | 522473 | 20.0 |
| 11H-Benzo[b]flu... | 13.257 | 5.2 | ng | 487073 | 5 | 14.133 | 1863790 | 20.0 |
| Pyrene, 1-methyl- | 13.327 | 2.2 | ng | 206844 | 5 | 14.133 | 1863790 | 20.0 |
| 11H-Benzo[a]flu... | 13.769 | 2.0 | ng | 188223 | 5 | 14.133 | 1863790 | 20.0 |
| Benzo[b]naphtho... | 13.880 | 3.0 | ng | 281047 | 5 | 14.133 | 1863790 | 20.0 |
| unknown13.939 | 13.939 | 2.5 | ng | 228377 | 5 | 14.133 | 1863790 | 20.0 |
| 7H-Benz[de]anth... | 13.974 | 2.4 | ng | 225410 | 5 | 14.133 | 1863790 | 20.0 |
| Cyclopenta(cd)p... | 14.239 | 3.0 | ng | 274825 | 5 | 14.133 | 1863790 | 20.0 |
| Benz[a]anthrace... | 14.916 | 4.8 | ng | 88186 | 6 | 15.645 | 371491 | 20.0 |
| Dinaphtho[1,2-b... | 15.404 | 11.8 | ng | 219705 | 6 | 15.645 | 371491 | 20.0 |
| Benzo[e]pyrene | 15.515 | 35.0 | ng | 650313 | 6 | 15.645 | 371491 | 20.0 |