LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 18-B4(2-4)

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-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124133.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.151 | 4 | 11 | 18 | rBV | 363073 | 471262 | 33.31% | 3.370% |
| 2 | 2.257 | 26 | 29 | 35 | rBV2 | 29729 | 40970 | 2.90% | 0.293% |
| 3 | 2.493 | 63 | 69 | 74 | rVB4 | 11232 | 21126 | 1.49% | 0.151% |
| 4 | 5.092 | 506 | 511 | 517 | rVB | 34760 | 44235 | 3.13% | 0.316% |
| 5 | 5.492 | 574 | 579 | 583 | rBV | 1167932 | 1132639 | 80.06% | 8.099% |
| 6 | 6.504 | 746 | 751 | 756 | rBV | 1174128 | 1184521 | 83.73% | 8.470% |
| 7 | 6.698 | 781 | 784 | 788 | rBV2 | 37734 | 44085 | 3.12% | 0.315% |
| 8 | 6.863 | 809 | 812 | 816 | rBV | 375286 | 287249 | 20.30% | 2.054% |
| 9 | 7.122 | 853 | 856 | 862 | rBV4 | 23708 | 28831 | 2.04% | 0.206% |
| 10 | 7.275 | 873 | 882 | 888 | rBV3 | 29441 | 39757 | 2.81% | 0.284% |
| 11 | 7.428 | 900 | 908 | 911 | rBV | 780482 | 711598 | 50.30% | 5.088% |
| 12 | 7.528 | 922 | 925 | 927 | rBV | 29629 | 26211 | 1.85% | 0.187% |
| 13 | 7.722 | 954 | 958 | 963 | rVB2 | 24570 | 25756 | 1.82% | 0.184% |
| 14 | 7.810 | 966 | 973 | 978 | rBV2 | 41404 | 51360 | 3.63% | 0.367% |
| 15 | 8.063 | 1012 | 1016 | 1020 | rBV4 | 9761 | 17793 | 1.26% | 0.127% |
| 16 | 8.145 | 1023 | 1030 | 1032 | rVV | 458227 | 373385 | 26.39% | 2.670% |
| 17 | 8.163 | 1032 | 1033 | 1037 | rVB | 53205 | 42236 | 2.99% | 0.302% |
| 18 | 8.357 | 1064 | 1066 | 1074 | rVV2 | 18235 | 18551 | 1.31% | 0.133% |
| 19 | 8.422 | 1074 | 1077 | 1082 | rVB2 | 23049 | 23088 | 1.63% | 0.165% |
| 20 | 8.716 | 1124 | 1127 | 1129 | rBV | 32035 | 25127 | 1.78% | 0.180% |
| 21 | 8.857 | 1144 | 1151 | 1154 | rVB2 | 46656 | 43345 | 3.06% | 0.310% |
| 22 | 9.222 | 1208 | 1213 | 1216 | rBV | 1756042 | 1414721 | 100.00% | 10.116% |
| 23 | 9.339 | 1228 | 1233 | 1236 | rVB2 | 77546 | 74313 | 5.25% | 0.531% |
| 24 | 9.486 | 1252 | 1258 | 1263 | rBV4 | 13203 | 19988 | 1.41% | 0.143% |
| 25 | 9.557 | 1265 | 1270 | 1273 | rBV3 | 24772 | 31293 | 2.21% | 0.224% |
| 26 | 9.610 | 1276 | 1279 | 1284 | rVV | 107328 | 92753 | 6.56% | 0.663% |
| 27 | 9.763 | 1302 | 1305 | 1309 | rVB | 26365 | 26702 | 1.89% | 0.191% |
| 28 | 9.898 | 1325 | 1328 | 1331 | rVV | 455249 | 383125 | 27.08% | 2.740% |
| 29 | 9.933 | 1331 | 1334 | 1337 | rVB | 46359 | 41503 | 2.93% | 0.297% |
| 30 | 10.104 | 1360 | 1363 | 1367 | rVB | 60692 | 54264 | 3.84% | 0.388% |
| 31 | 10.210 | 1374 | 1381 | 1385 | rBV7 | 8647 | 20123 | 1.42% | 0.144% |
| 32 | 10.304 | 1394 | 1397 | 1399 | rBV4 | 16194 | 17173 | 1.21% | 0.123% |
| 33 | 10.327 | 1399 | 1401 | 1404 | rVB3 | 24295 | 18560 | 1.31% | 0.133% |
| 34 | 10.422 | 1414 | 1417 | 1419 | rBV | 30422 | 29850 | 2.11% | 0.213% |
| 35 | 10.445 | 1419 | 1421 | 1425 | rVB | 106575 | 87927 | 6.22% | 0.629% |
| 36 | 10.604 | 1445 | 1448 | 1452 | rBV4 | 25729 | 26766 | 1.89% | 0.191% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 18-B4(2-4)

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-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.692 | 1458 | 1463 | 1466 | rBV | 886561 | 820472 | 58.00% | 5.867% |
| 38 | 10.798 | 1478 | 1481 | 1483 | rBV3 | 26275 | 34796 | 2.46% | 0.249% |
| 39 | 10.992 | 1507 | 1514 | 1517 | rBV6 | 31132 | 58477 | 4.13% | 0.418% |
| 40 | 11.192 | 1545 | 1548 | 1553 | rVB | 33958 | 31988 | 2.26% | 0.229% |
| 41 | 11.251 | 1553 | 1558 | 1560 | rBV6 | 28314 | 38846 | 2.75% | 0.278% |
| 42 | 11.280 | 1560 | 1563 | 1567 | rVB | 46775 | 44277 | 3.13% | 0.317% |
| 43 | 11.386 | 1577 | 1581 | 1583 | rBV | 380489 | 323844 | 22.89% | 2.316% |
| 44 | 11.410 | 1583 | 1585 | 1588 | rVV | 410425 | 330006 | 23.33% | 2.360% |
| 45 | 11.463 | 1591 | 1594 | 1597 | rVV | 71547 | 55874 | 3.95% | 0.400% |
| 46 | 11.492 | 1597 | 1599 | 1603 | rVV4 | 18583 | 19205 | 1.36% | 0.137% |
| 47 | 11.616 | 1617 | 1620 | 1623 | rBV | 65457 | 62666 | 4.43% | 0.448% |
| 48 | 11.680 | 1628 | 1631 | 1633 | rVV2 | 33378 | 29907 | 2.11% | 0.214% |
| 49 | 11.716 | 1635 | 1637 | 1641 | rVB4 | 23663 | 21929 | 1.55% | 0.157% |
| 50 | 11.886 | 1661 | 1666 | 1668 | rBV | 64504 | 88814 | 6.28% | 0.635% |
| 51 | 11.916 | 1668 | 1671 | 1675 | rVB2 | 259869 | 249695 | 17.65% | 1.785% |
| 52 | 12.004 | 1682 | 1686 | 1688 | rBV2 | 123552 | 124649 | 8.81% | 0.891% |
| 53 | 12.057 | 1693 | 1695 | 1699 | rVB5 | 28217 | 29037 | 2.05% | 0.208% |
| 54 | 12.186 | 1714 | 1717 | 1719 | rBV | 52743 | 48621 | 3.44% | 0.348% |
| 55 | 12.204 | 1719 | 1720 | 1725 | rVB5 | 26997 | 33761 | 2.39% | 0.241% |
| 56 | 12.368 | 1745 | 1748 | 1750 | rBV4 | 27834 | 23736 | 1.68% | 0.170% |
| 57 | 12.445 | 1758 | 1761 | 1763 | rBV4 | 31592 | 33078 | 2.34% | 0.237% |
| 58 | 12.480 | 1764 | 1767 | 1769 | rVV4 | 27029 | 29567 | 2.09% | 0.211% |
| 59 | 12.527 | 1773 | 1775 | 1777 | rBV3 | 28506 | 22908 | 1.62% | 0.164% |
| 60 | 12.610 | 1785 | 1789 | 1792 | rBV | 630558 | 519065 | 36.69% | 3.712% |
| 61 | 12.704 | 1800 | 1805 | 1811 | rBV | 382292 | 494344 | 34.94% | 3.535% |
| 62 | 12.833 | 1824 | 1827 | 1831 | rVB | 471789 | 377975 | 26.72% | 2.703% |
| 63 | 12.974 | 1847 | 1851 | 1854 | rBV | 1227102 | 997084 | 70.48% | 7.130% |
| 64 | 13.133 | 1876 | 1878 | 1880 | rBV3 | 33098 | 37512 | 2.65% | 0.268% |
| 65 | 13.157 | 1880 | 1882 | 1886 | rVB | 98010 | 97744 | 6.91% | 0.699% |
| 66 | 13.227 | 1891 | 1894 | 1896 | rVB | 64217 | 59376 | 4.20% | 0.425% |
| 67 | 13.804 | 1990 | 1992 | 1994 | rBV3 | 40604 | 32334 | 2.29% | 0.231% |
| 68 | 14.033 | 2024 | 2031 | 2033 | rBV3 | 391240 | 556127 | 39.31% | 3.977% |
| 69 | 14.057 | 2033 | 2035 | 2041 | rVB | 225552 | 191482 | 13.53% | 1.369% |
| 70 | 15.080 | 2205 | 2209 | 2212 | rBV | 222318 | 332511 | 23.50% | 2.378% |
| 71 | 15.386 | 2259 | 2261 | 2268 | rVB | 128240 | 175147 | 12.38% | 1.252% |
| 72 | 15.451 | 2269 | 2272 | 2275 | rBV | 89600 | 123725 | 8.75% | 0.885% |
| 73 | 15.515 | 2279 | 2283 | 2286 | rBV2 | 196101 | 261910 | 18.51% | 1.873% |
| 74 | 17.003 | 2532 | 2536 | 2540 | rVB4 | 48837 | 80885 | 5.72% | 0.578% |
| 75 | 17.450 | 2605 | 2612 | 2617 | rBV3 | 49012 | 99540 | 7.04% | 0.712% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

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-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

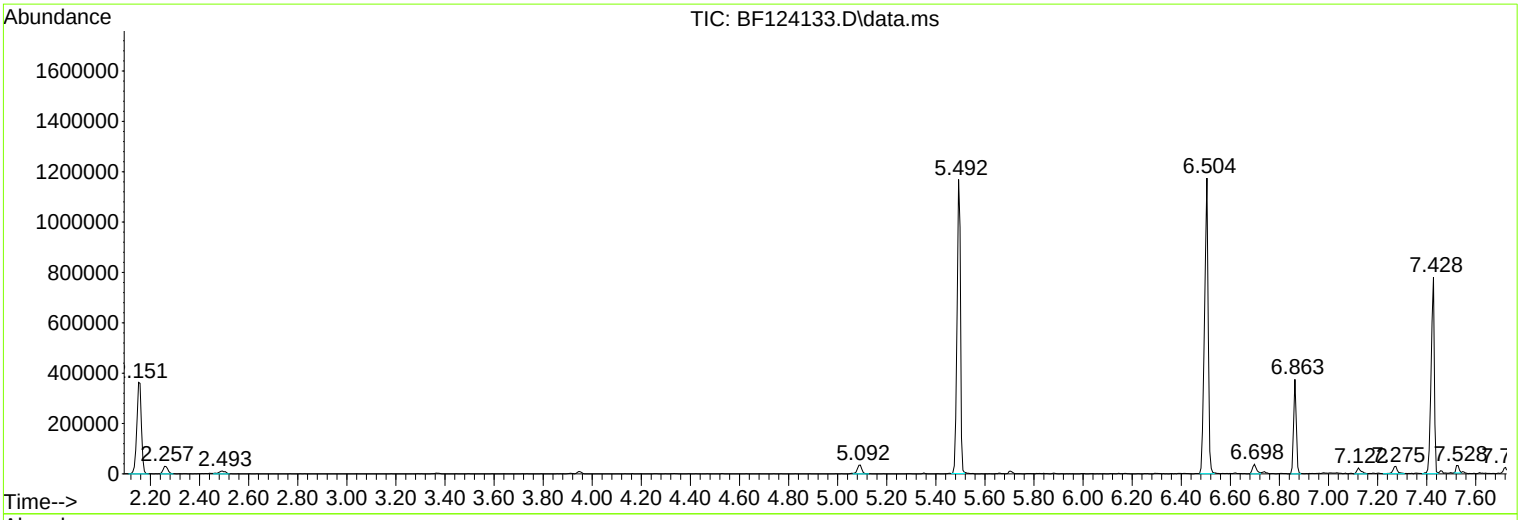
Sum of corrected areas: 13985100

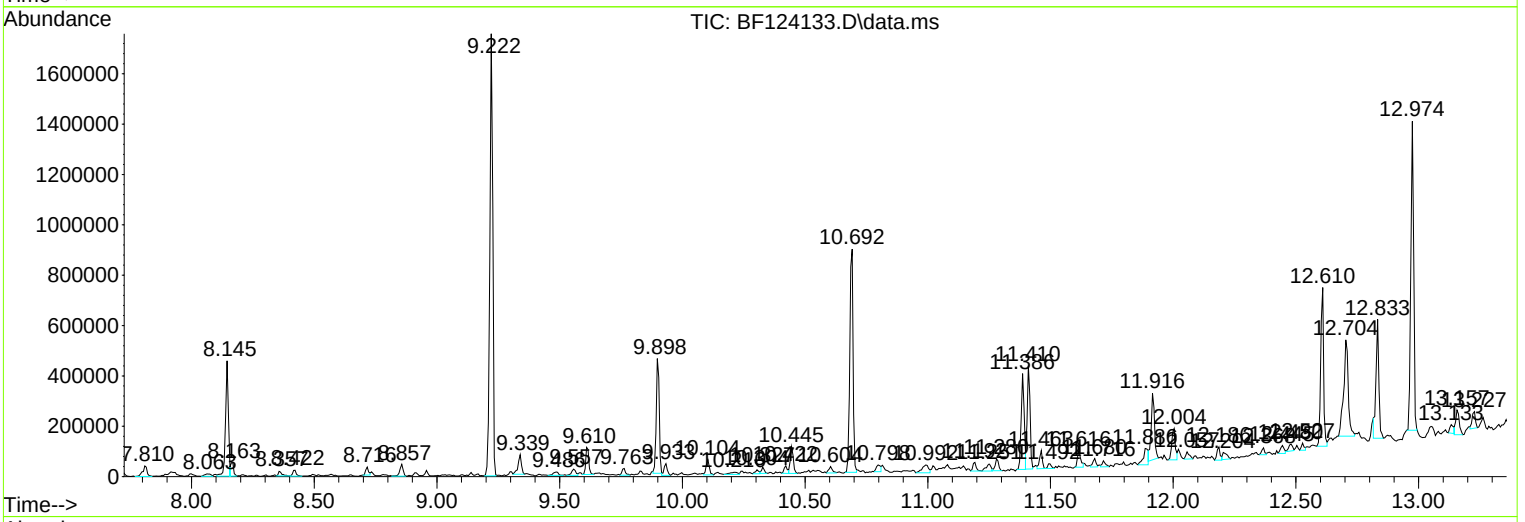
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

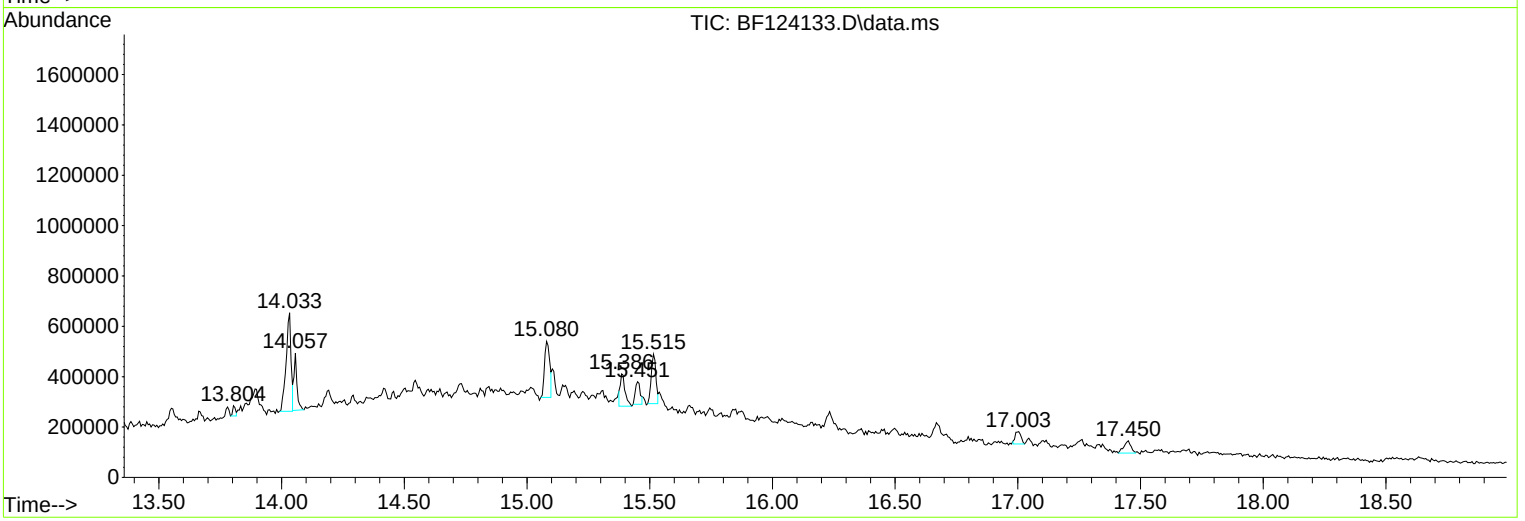
**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

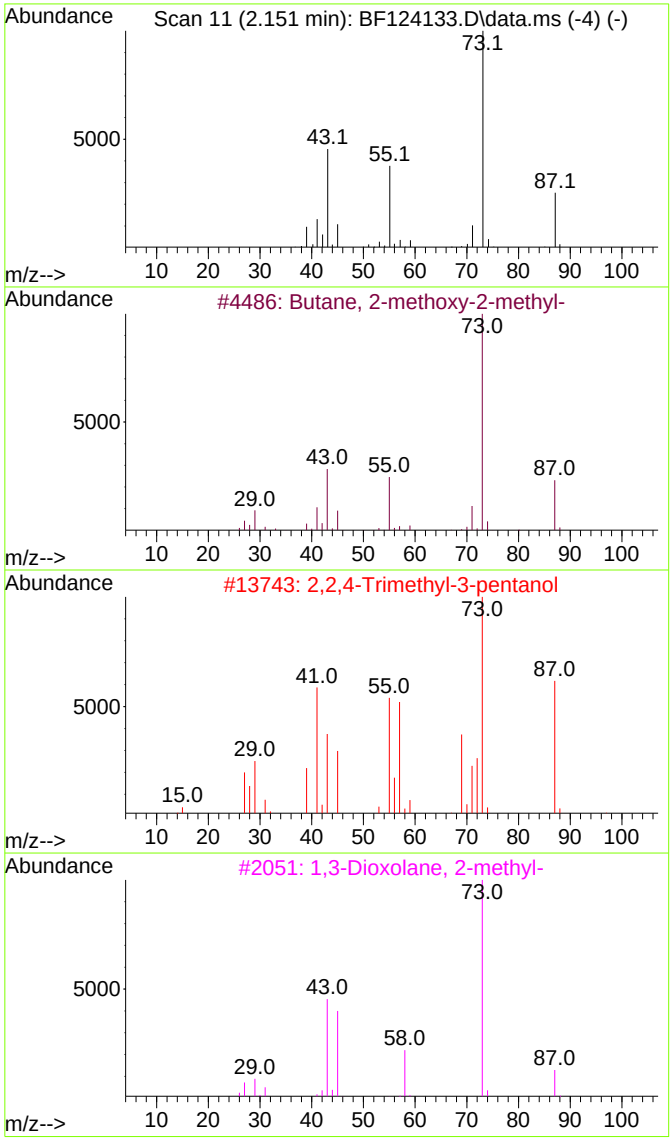
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

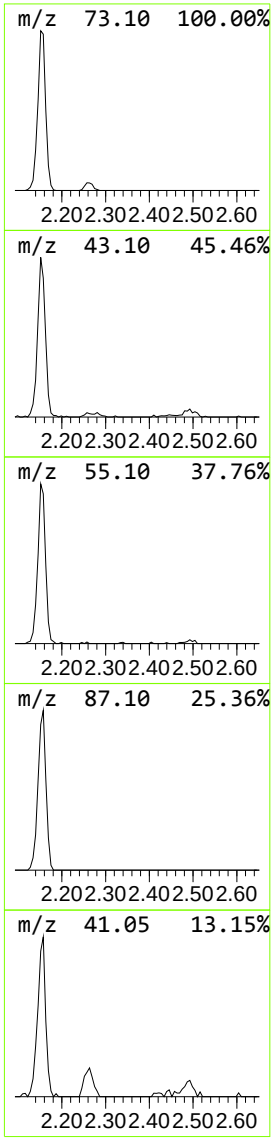
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.151 | 32.81 ng | 471262 | 1,4-Dichlorobenzene-d4 | 6.863 |

| 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 | 38 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 5 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

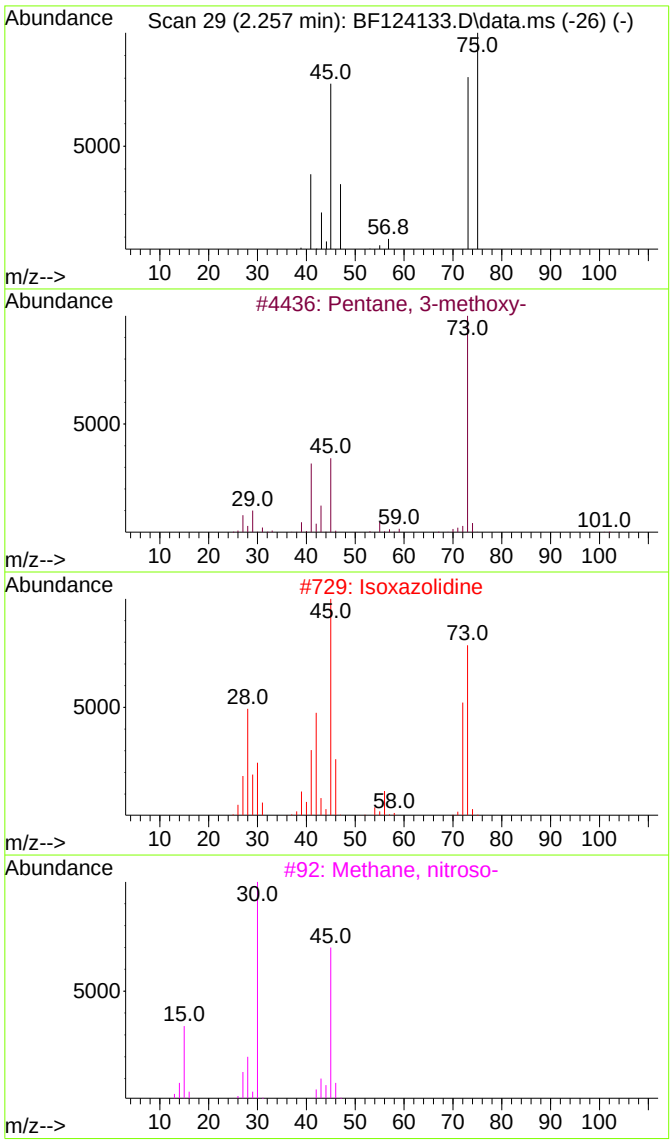
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

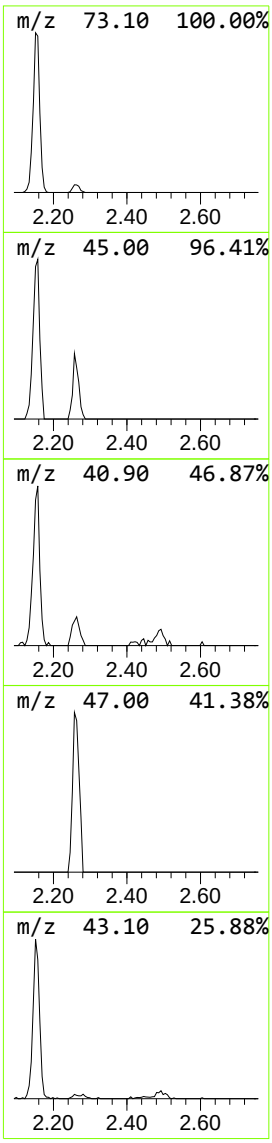
**********

Peak Number 2 unknown2.25 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.257 | 2.85 ng | 40970 | 1,4-Dichlorobenzene-d4 | 6.863 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 2 | Isoxazolidine | 73 | C3H7NO | 000504-72-3 | 4 |
| 3 | Methane, nitroso- | 45 | CH3NO | 000865-40-7 | 4 |
| 4 | 2-Pentanol | 88 | C5H12O | 006032-29-7 | 4 |
| 5 | 2,3-Butanediol | 90 | C4H10O2 | 000513-85-9 | 4 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

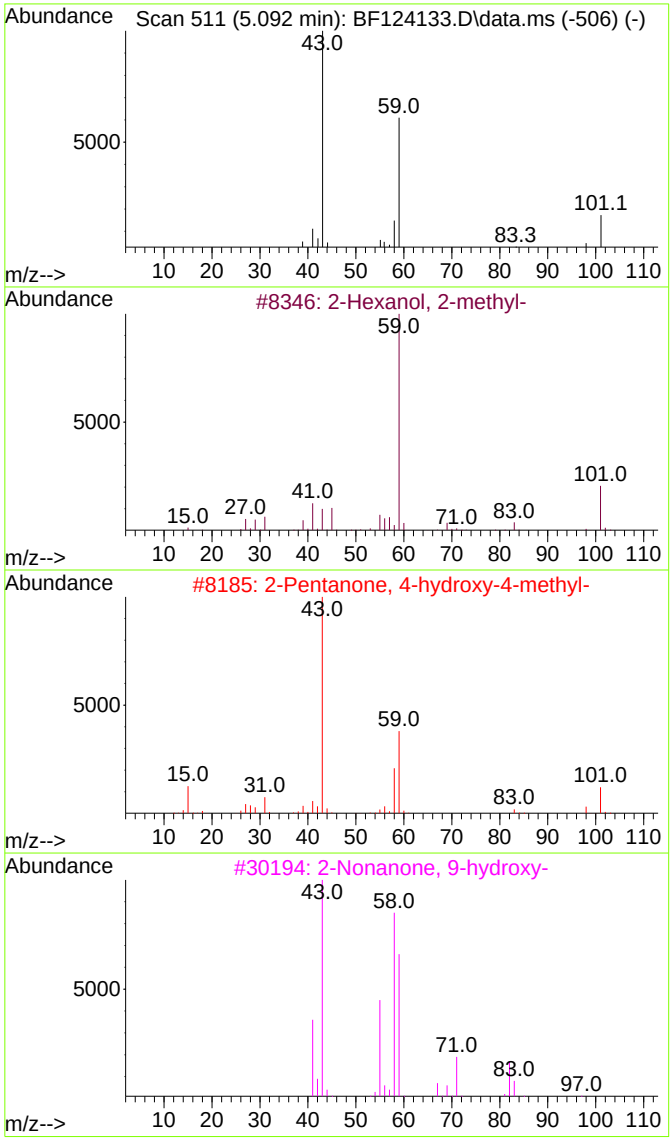
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

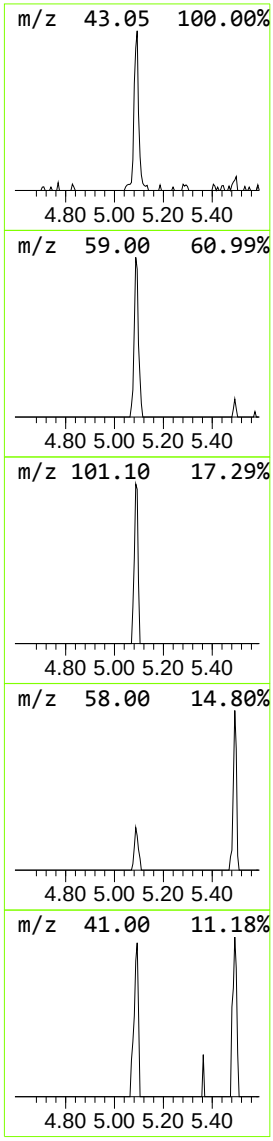
**********

Peak Number 3 2-Hexanol, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.092 | 3.08 ng | 44235 | 1,4-Dichlorobenzene-d4 | 6.863 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 50 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 38 |
| 3 | 2-Nonanone, 9-hydroxy- | 158 | C9H18O2 | 025368-56-3 | 33 |
| 4 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 23 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

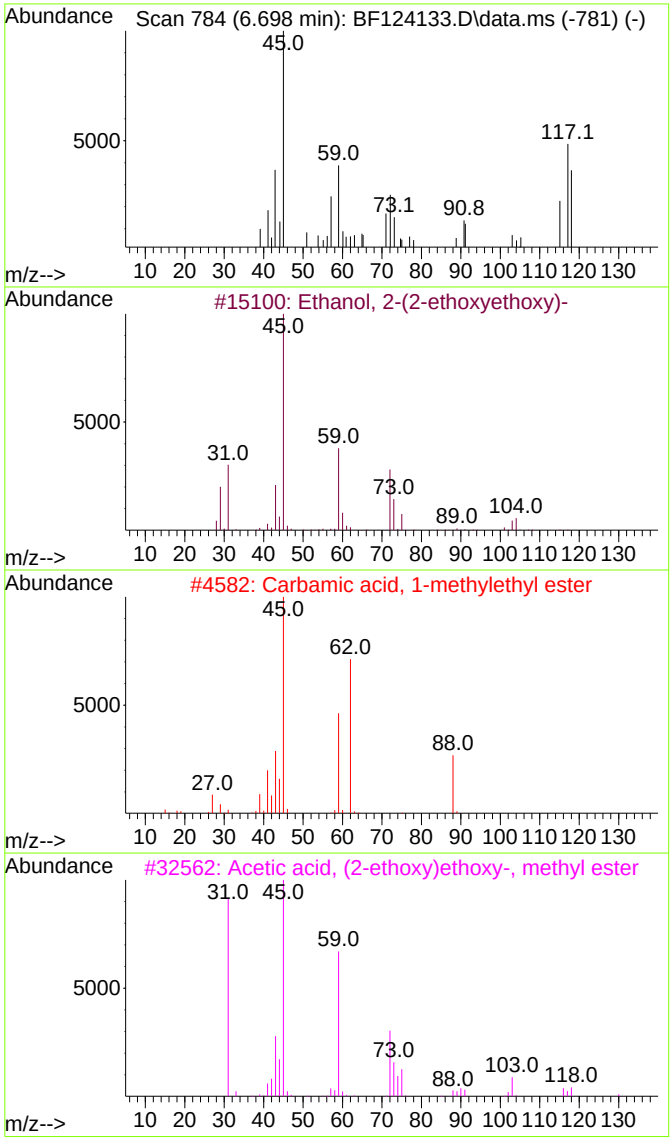
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

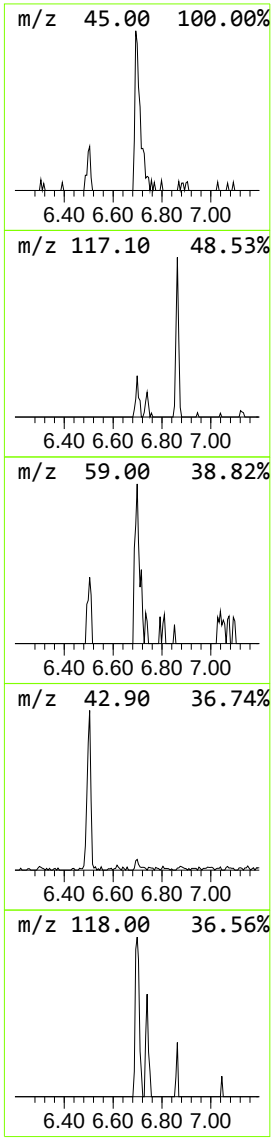
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.698 | 3.07 ng | 44085 | 1,4-Dichlorobenzene-d4 | 6.863 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 50 |
| 2 | Carbamic acid, 1-methylethyl ester | 103 | C4H9NO2 | 001746-77-6 | 25 |
| 3 | Acetic acid, (2-ethoxy)ethoxy-, ... | 162 | C7H14O4 | 016326-34-4 | 25 |
| 4 | 2-Propanol, 1-(1-methylethoxy)- | 118 | C6H14O2 | 003944-36-3 | 25 |
| 5 | Ethanol, 2-[2-(2-ethoxyethoxy)et... | 178 | C8H18O4 | 000112-50-5 | 23 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

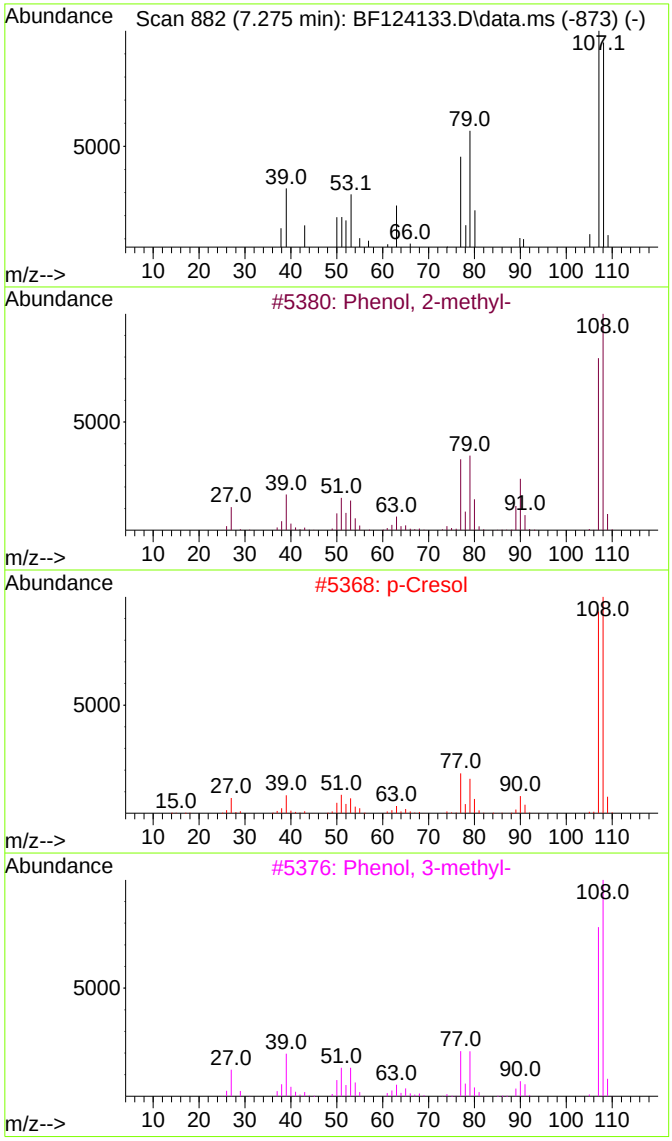
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

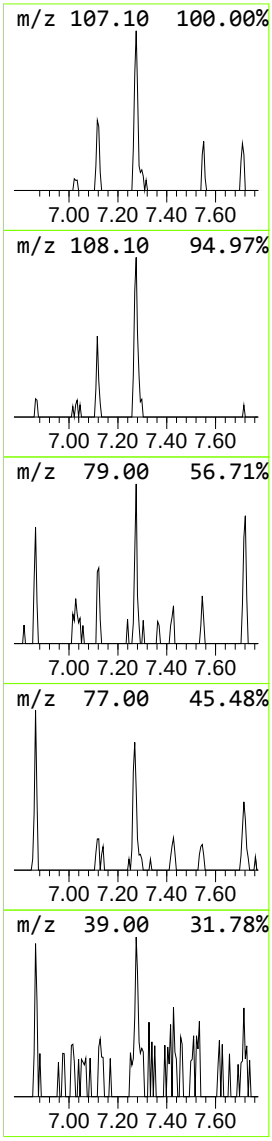
**********

Peak Number 5 Phenol, 2-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.275 | 2.77 ng | 39757 | 1,4-Dichlorobenzene-d4 | 6.863 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methyl- | 108 | C7H8O | 000095-48-7 | 87 |
| 2 | p-Cresol | 108 | C7H8O | 000106-44-5 | 87 |
| 3 | Phenol, 3-methyl- | 108 | C7H8O | 000108-39-4 | 74 |
| 4 | Benzyl alcohol | 108 | C7H8O | 000100-51-6 | 50 |
| 5 | 1,2-Cyclooctadiene | 108 | C8H12 | 007124-40-5 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

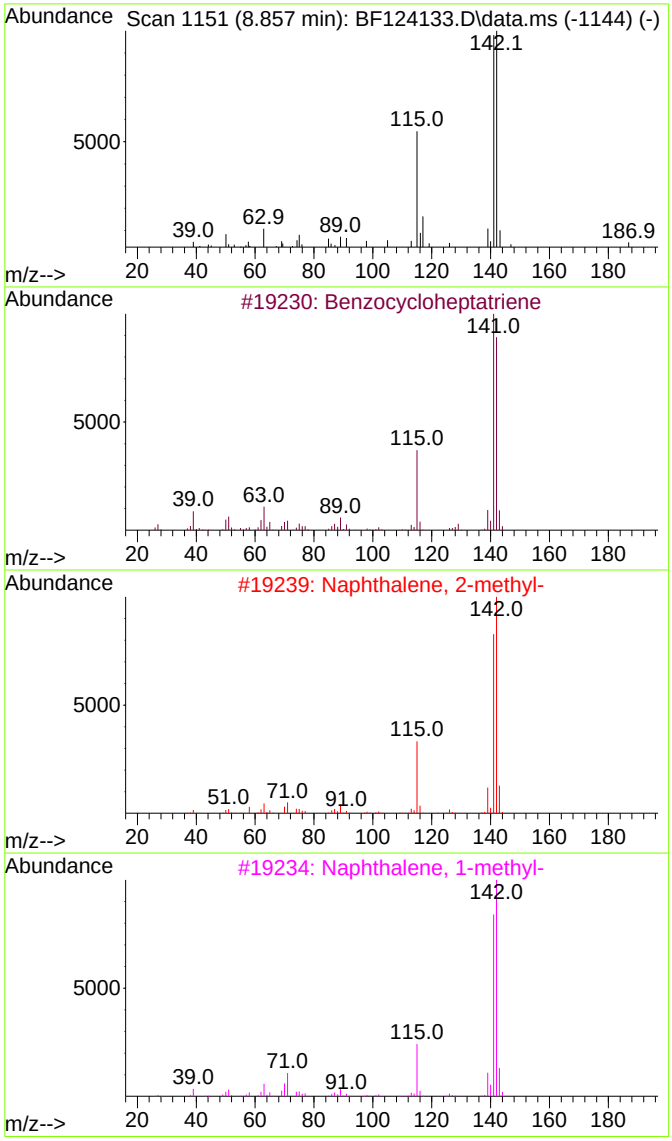
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

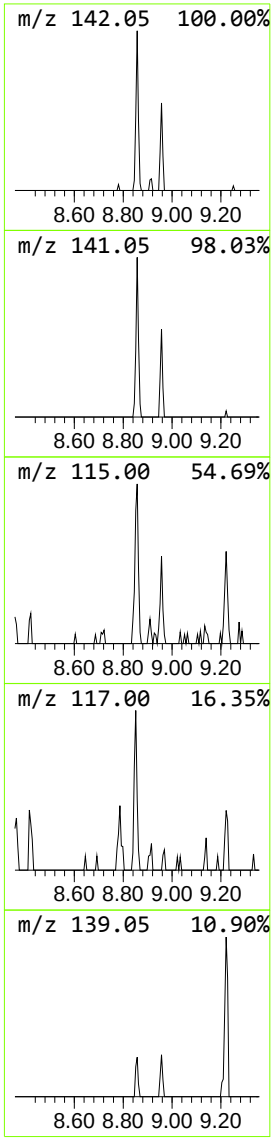
**********

Peak Number 6 Benzocycloheptatriene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.857 | 2.32 ng | 43345 | Naphthalene-d8 | 8.145 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 90 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 90 |
| 3 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 90 |
| 4 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 83 |
| 5 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

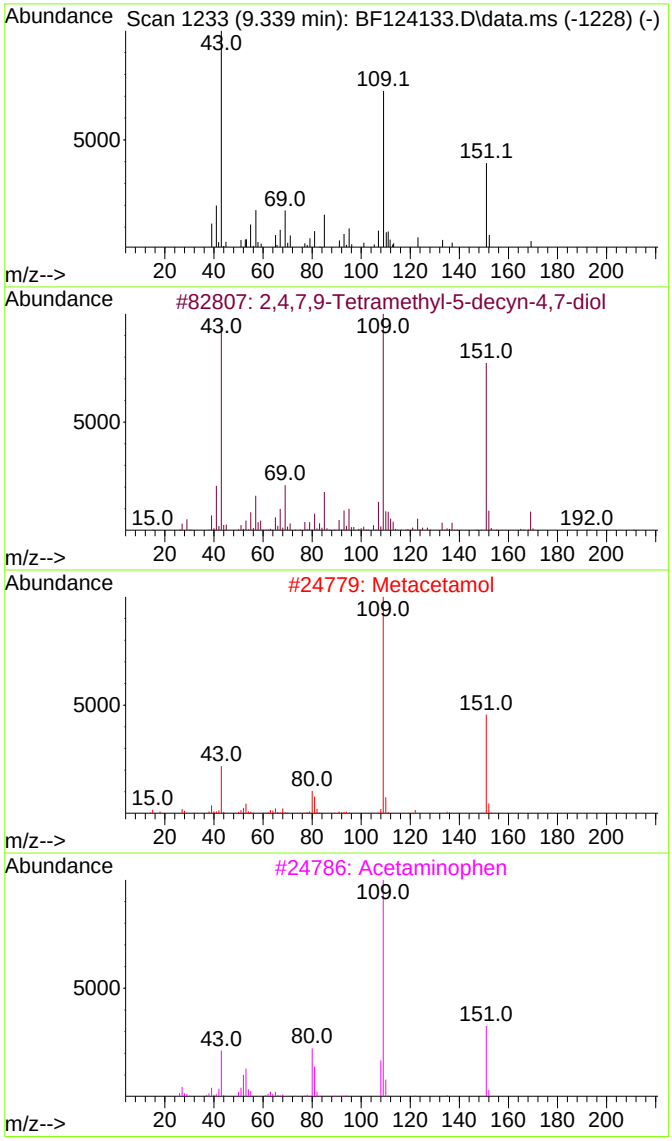
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

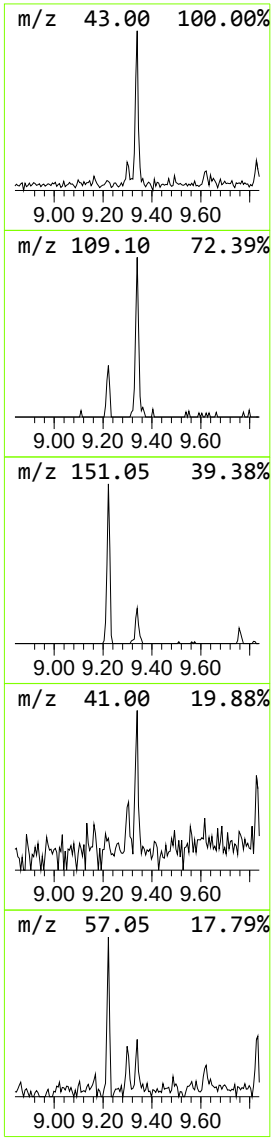
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.339 | 3.88 ng | 74313 | Acenaphthene-d10 | 9.898 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226 | C14H26O2 | 000126-86-3 | 78 |
| 2 | Metacetamol | 151 | C8H9NO2 | 000621-42-1 | 52 |
| 3 | Acetaminophen | 151 | C8H9NO2 | 000103-90-2 | 50 |
| 4 | 1-Acetyl-3-amino-4-cyano-3-pyrro... | 151 | C7H9N3O | 002125-74-8 | 38 |
| 5 | 2-Cyclohexen-1-ol, 2-methyl-5-(1... | 152 | C10H16O | 001197-06-4 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

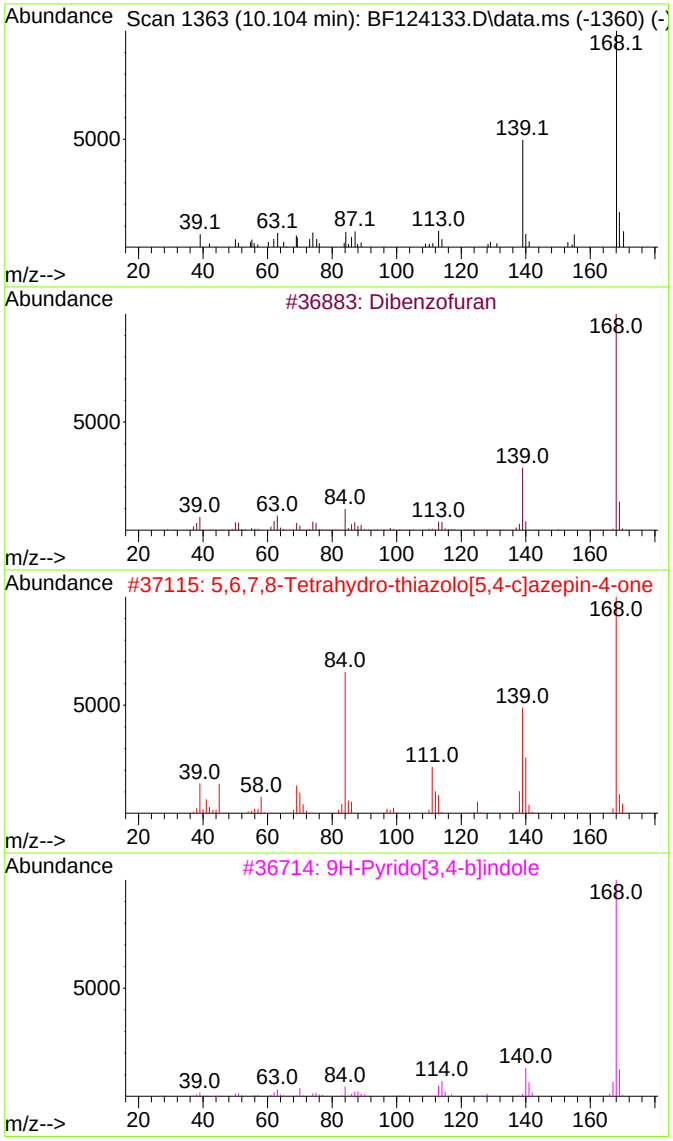
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

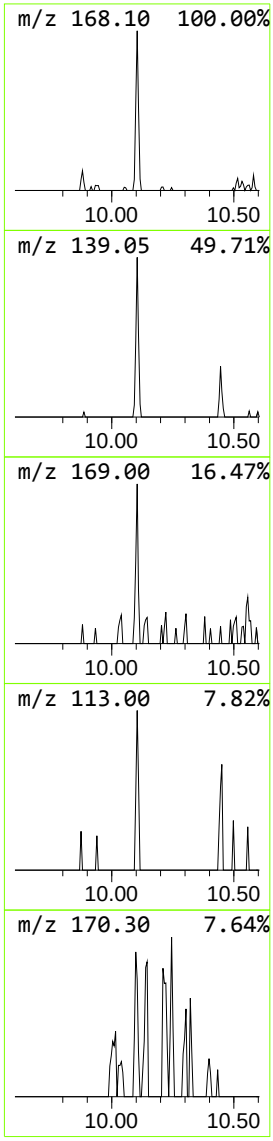
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 5,6,7,8-Tetrahydro-thiazolo... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.104 | 2.83 ng | 54264 | Acenaphthene-d10 | 9.898 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran | 168 | C12H8O | 000132-64-9 | 72 |
| 2 | 5,6,7,8-Tetrahydro-thiazolo[5,4-... | 168 | C7H8N2OS | 1000317-75-4 | 64 |
| 3 | 9H-Pyrido[3,4-b]indole | 168 | C11H8N2 | 000244-63-3 | 50 |
| 4 | 1-Naphthalenecarbonitrile, 8-amino- | 168 | C11H8N2 | 038515-13-8 | 50 |
| 5 | Benzene, 1,3,5-trimethoxy- | 168 | C9H12O3 | 000621-23-8 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

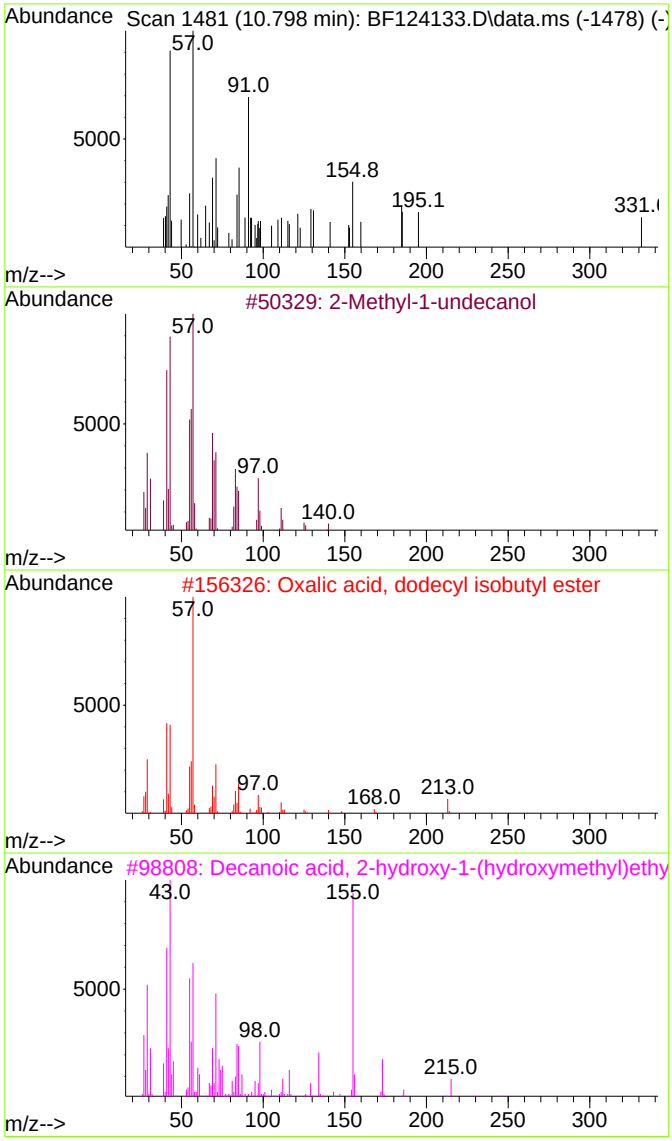
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

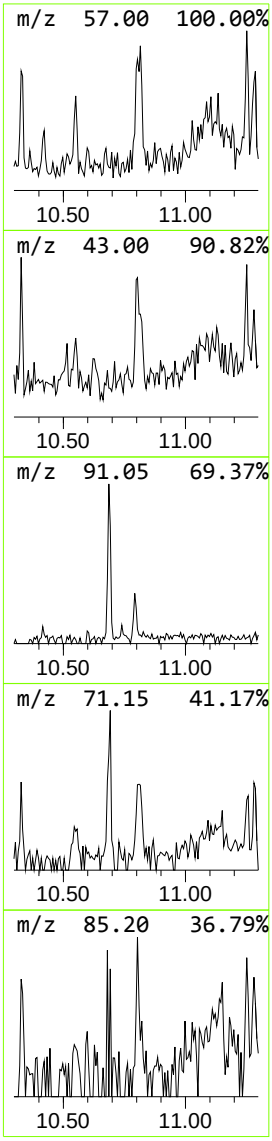
**********

Peak Number 9 unknown10.79 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.798 | 2.15 ng | 34796 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methyl-1-undecanol | 186 | C12H26O | 010522-26-6 | 38 |
| 2 | Oxalic acid, dodecyl isobutyl ester | 314 | C18H34O4 | 1000309-37-7 | 38 |
| 3 | Decanoic acid, 2-hydroxy-1-(hydr... | 246 | C13H26O4 | 003376-48-5 | 38 |
| 4 | 1-Decanol, 2-ethyl- | 186 | C12H26O | 021078-65-9 | 38 |
| 5 | 1-Dodecanol, 2-methyl-, (S)- | 200 | C13H28O | 057289-26-6 | 37 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

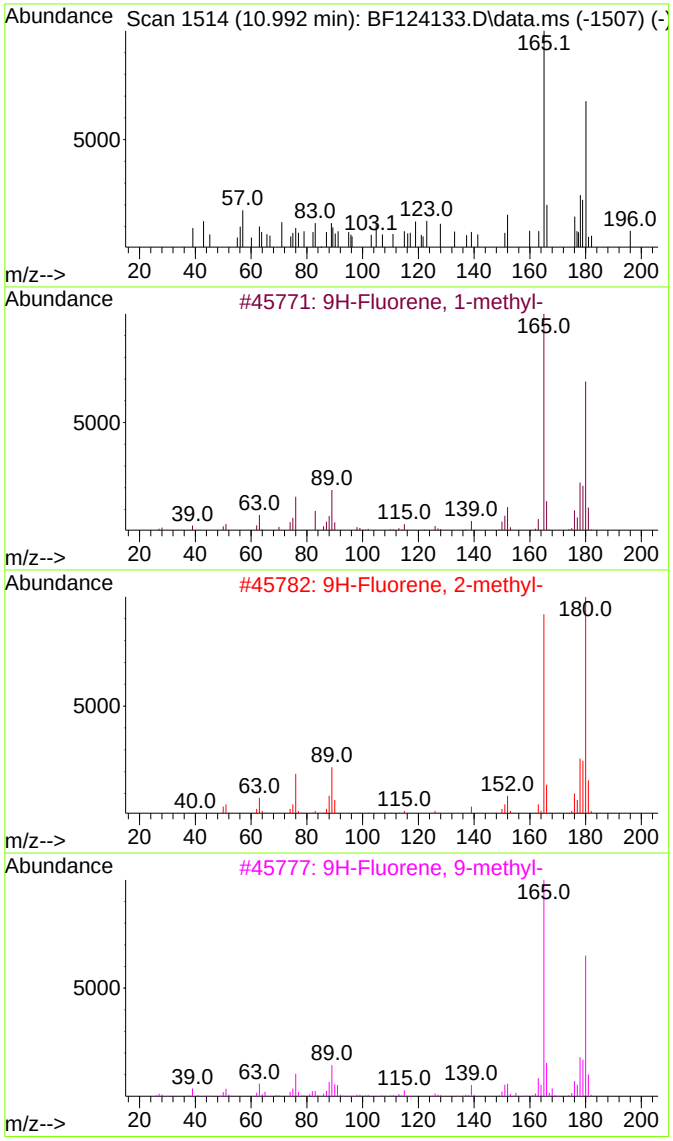
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

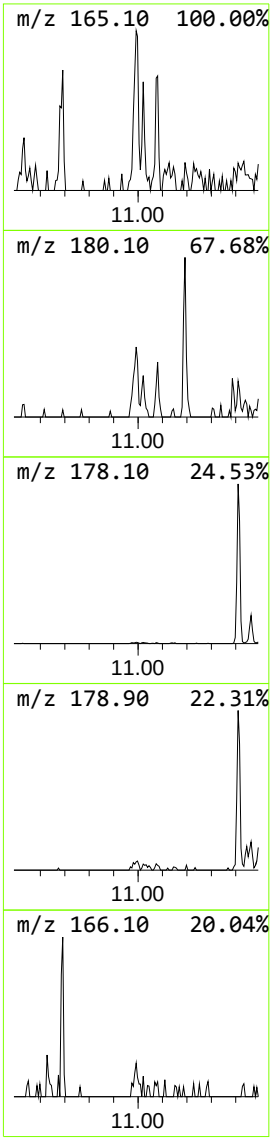
**********

Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.992 | 3.61 ng | 58477 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 90 |
| 2 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 81 |
| 3 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 76 |
| 4 | 9H-Fluorene, 4-methyl- | 180 | C14H12 | 001556-99-6 | 76 |
| 5 | Benzenethiol, 4-(1,1-dimethyleth... | 180 | C11H16S | 015570-10-2 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

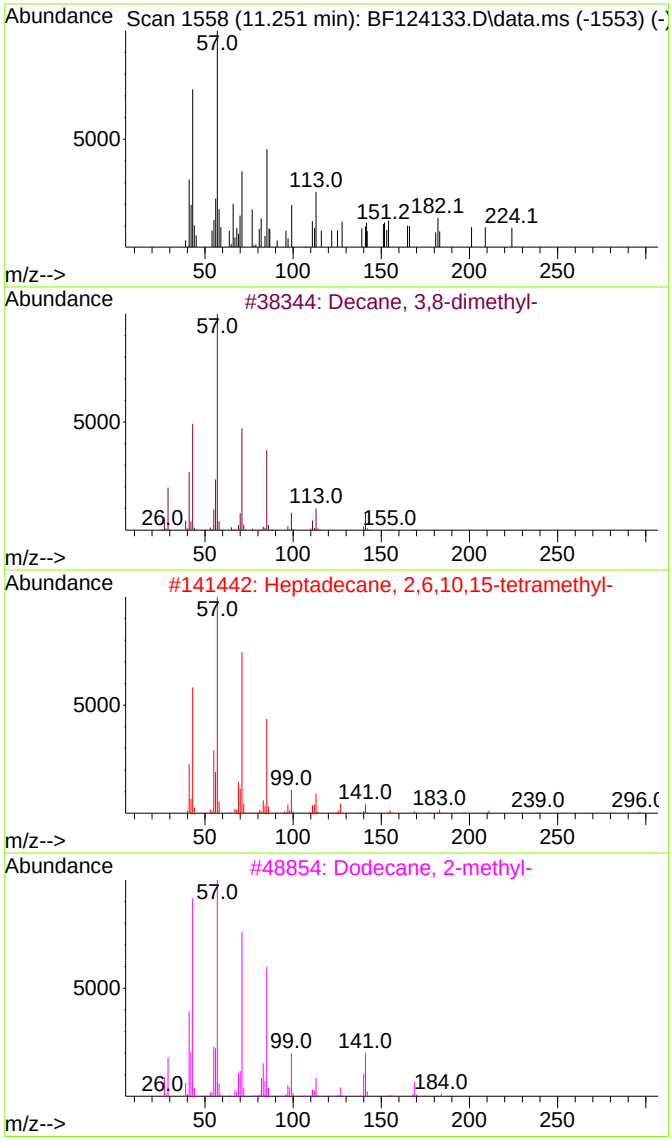
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

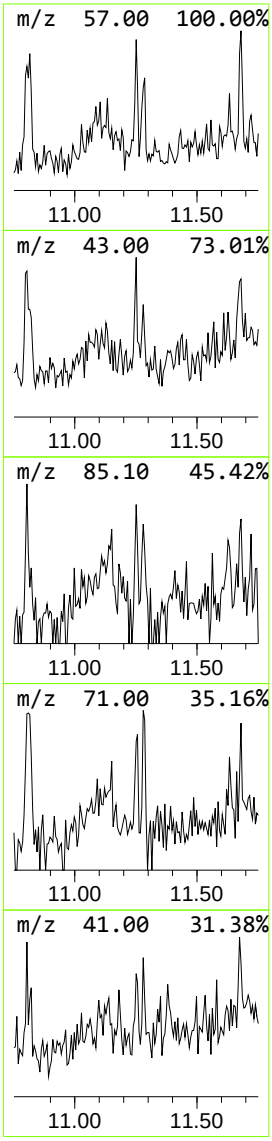
**********

Peak Number 11 unknown11.25 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.251 | 2.40 ng | 38846 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 14 |
| 2 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 14 |
| 3 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 12 |
| 4 | Pentadecane, 4-methyl- | 226 | C16H34 | 002801-87-8 | 12 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 10 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

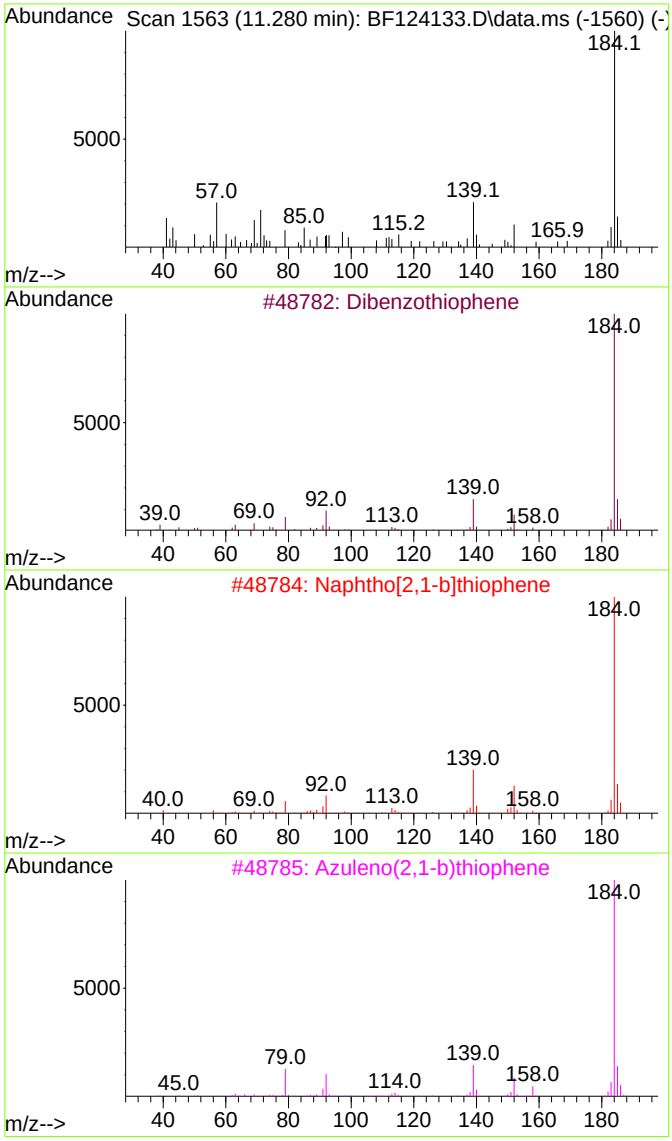
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

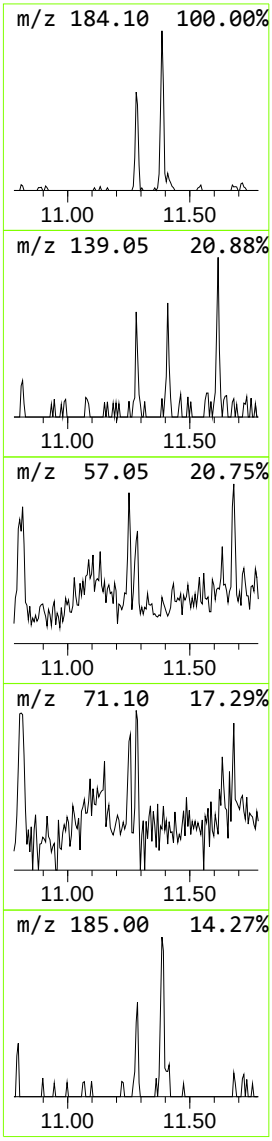
**********

Peak Number 12 Dibenzothiophene Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.280 | 2.73 ng | 44277 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 87 |
| 2 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 87 |
| 3 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 72 |
| 4 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 72 |
| 5 | Benzidine | 184 | C12H12N2 | 000092-87-5 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

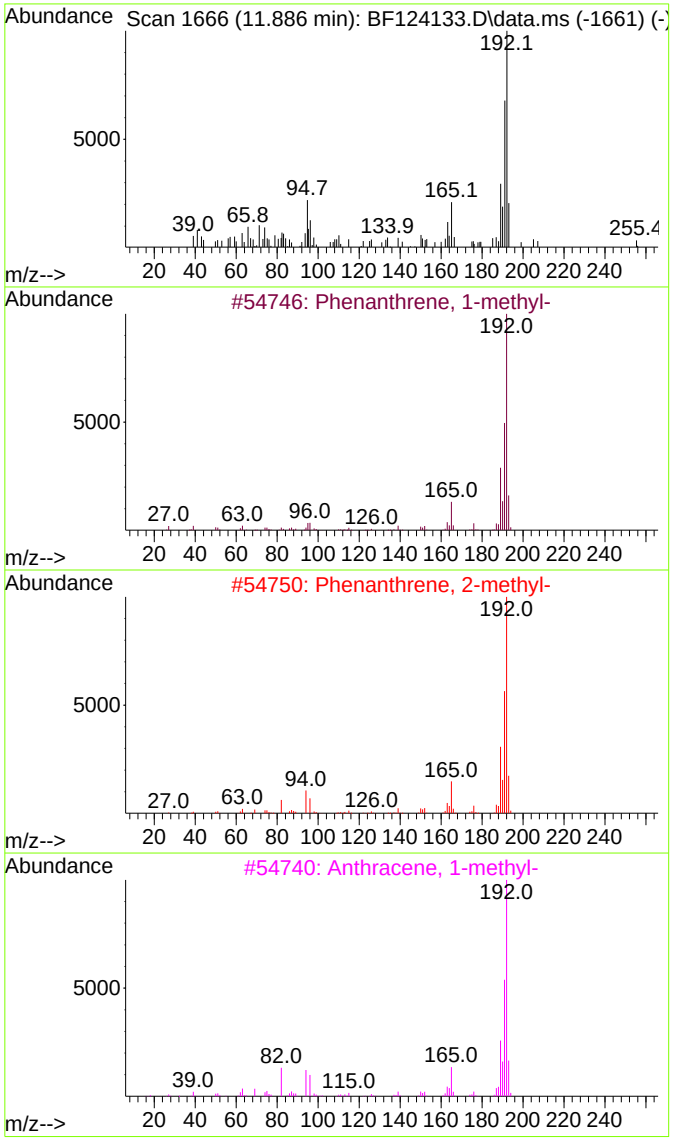
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

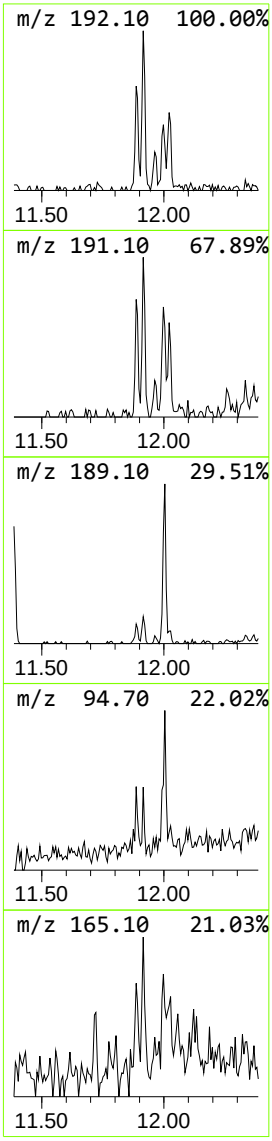
**********

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.886 | 5.48 ng | 88814 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 92 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 89 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 76 |
| 5 | Naphtho[1,2-b]norbornadiene | 192 | C15H12 | 1000210-14-8 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

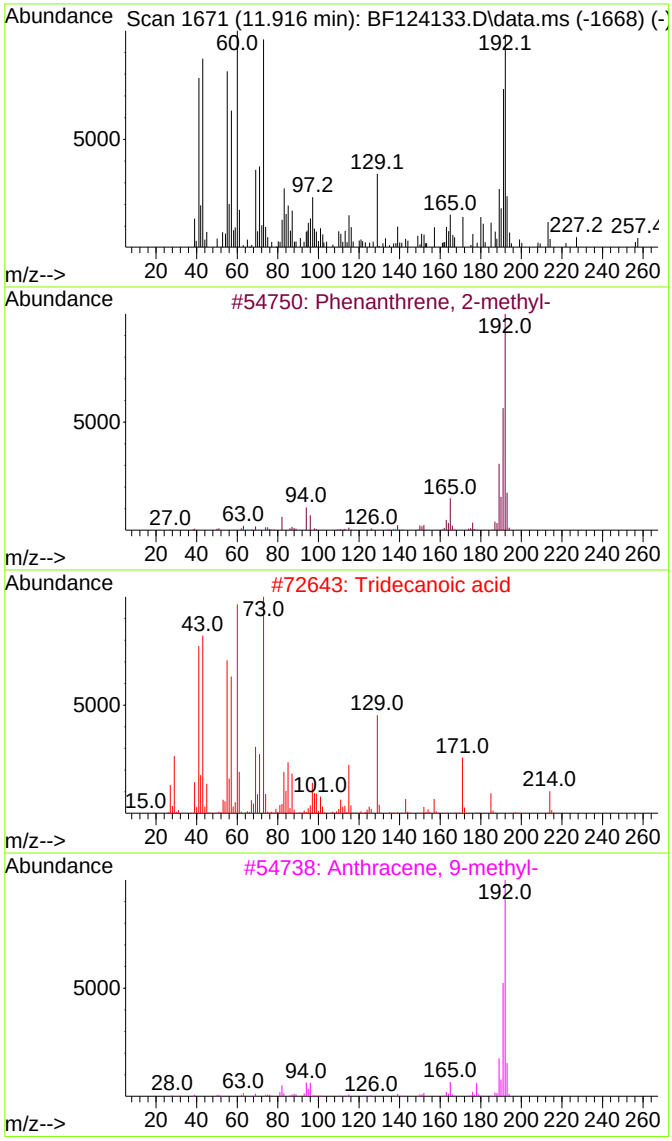
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

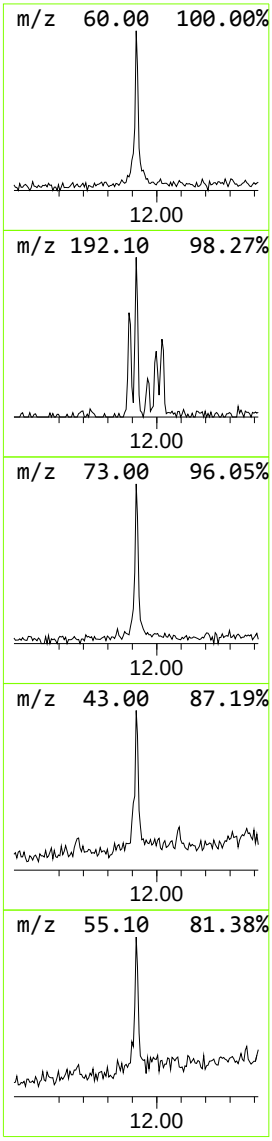
**********

Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.916 | 15.42 ng | 249695 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 86 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 84 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 52 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 49 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

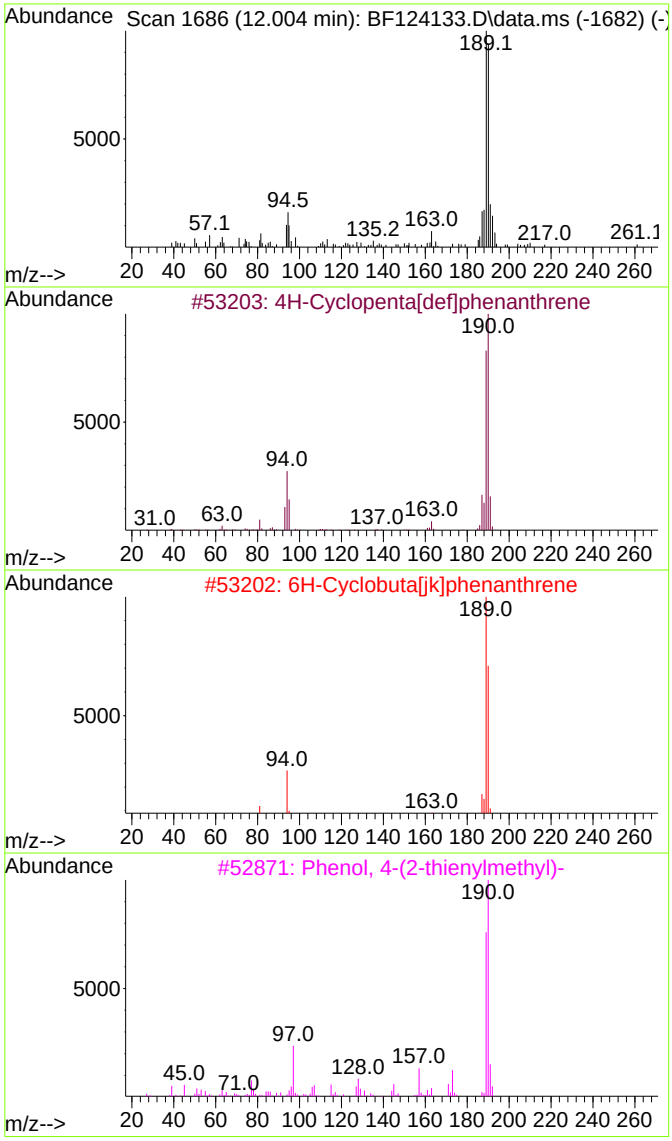
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

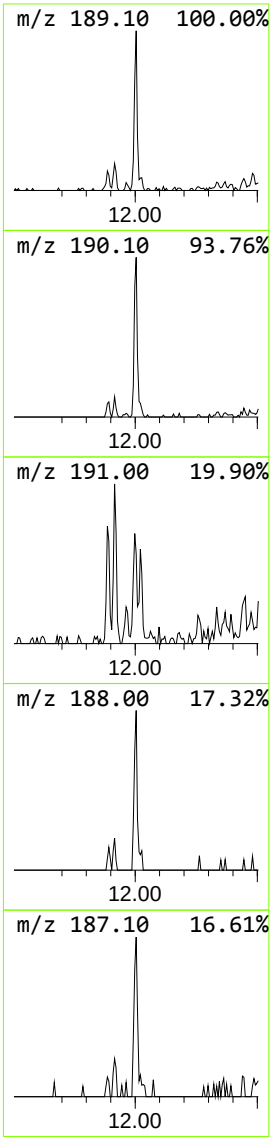
**********

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.004 | 7.70 ng | 124649 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 93 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 80 |
| 3 | Phenol, 4-(2-thienylmethyl)- | 190 | C11H10OS | 091680-55-6 | 45 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |
| 5 | Thieno[2,3-b][1]benzothiophene | 190 | C10H6S2 | 000247-16-5 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

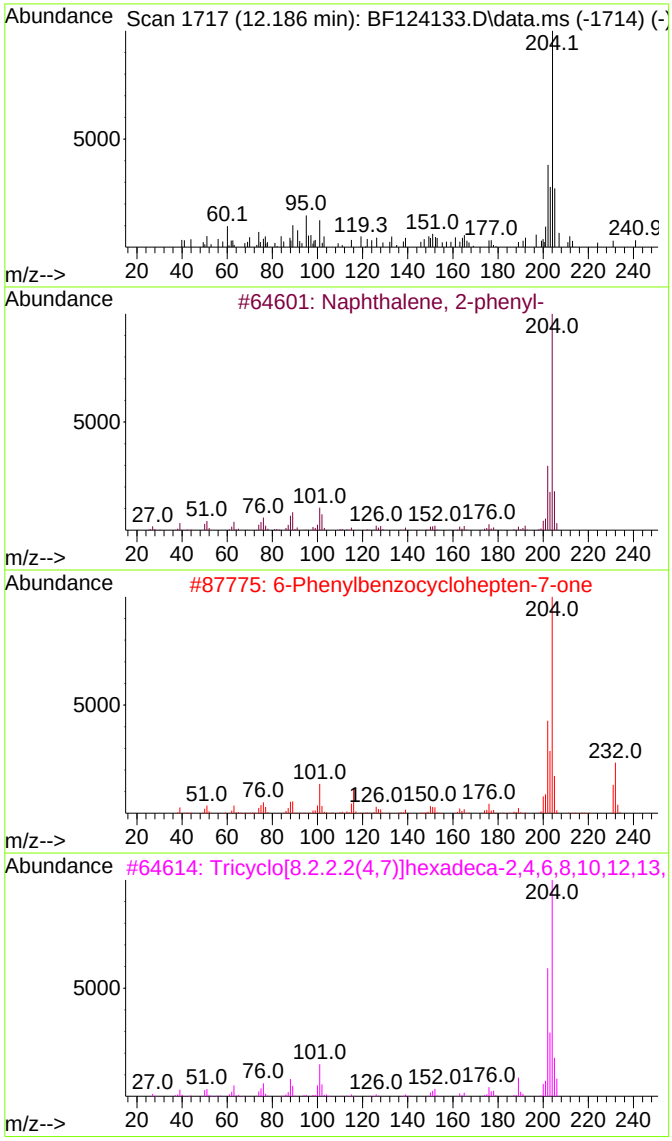
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

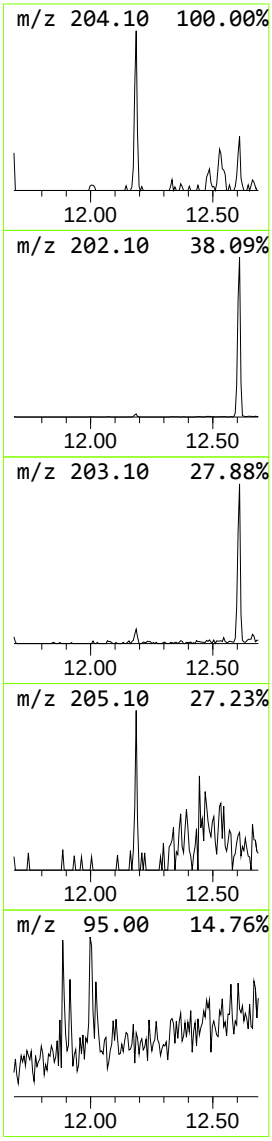
**********

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.186 | 3.00 ng | 48621 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |
| 2 | 6-Phenylbenzocyclohepten-7-one | 232 | C17H12O | 093327-56-1 | 64 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 50 |
| 4 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 43 |
| 5 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

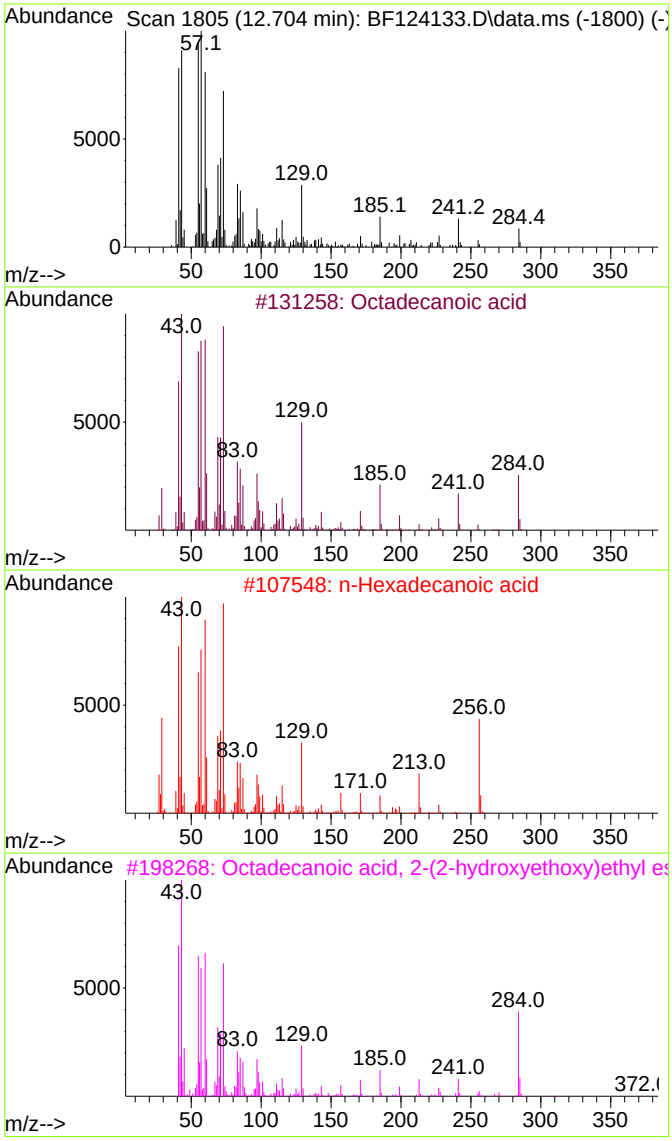
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

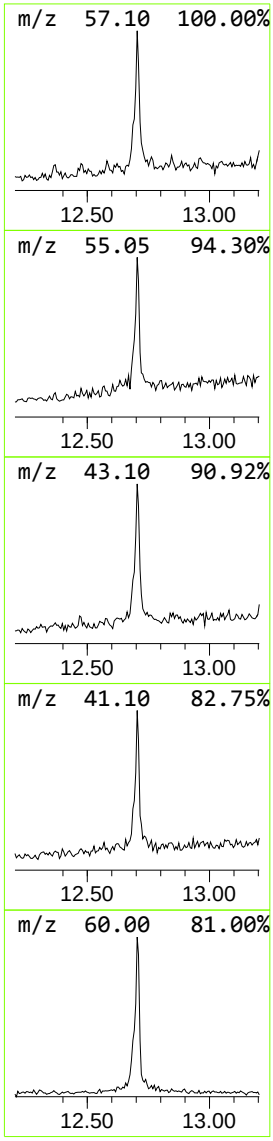
**********

Peak Number 17 Octadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.704 | 30.53 ng | 494344 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91 |
| 3 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 80 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 64 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

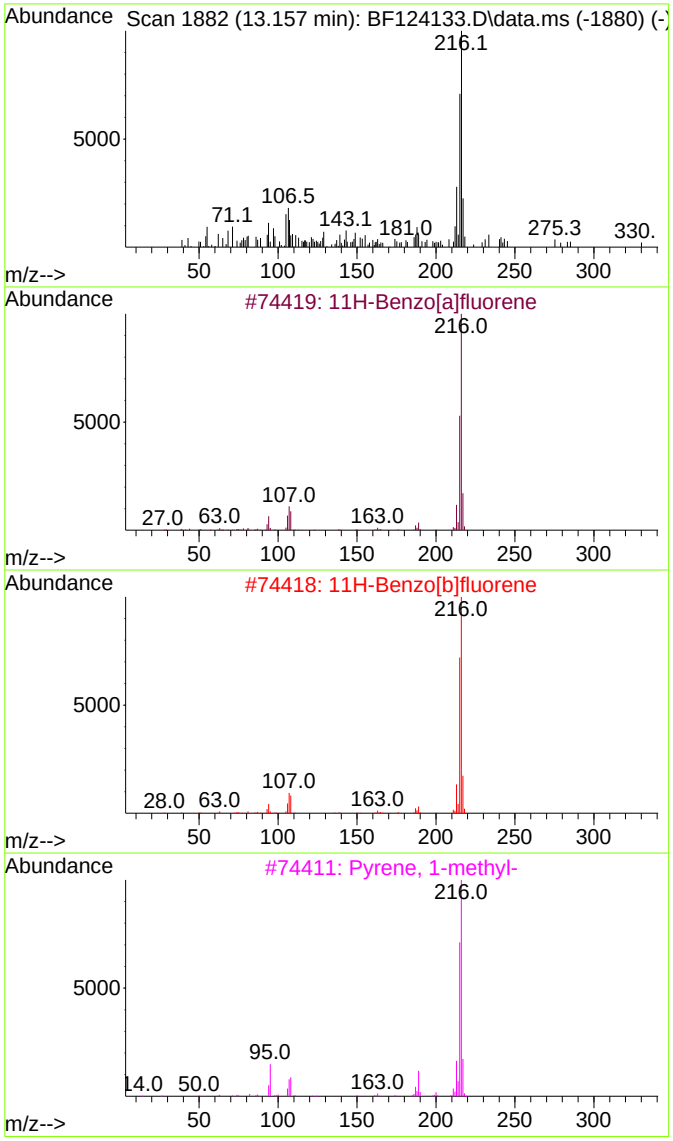
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

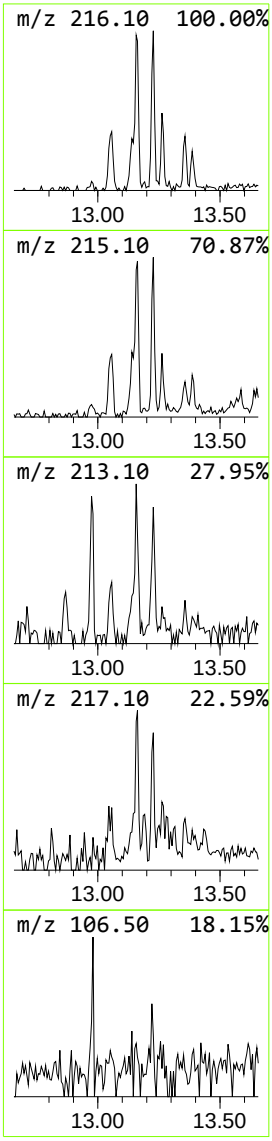
**********

Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.157 | 3.52 ng | 97744 | Chrysene-d12 | 14.033 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 74 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 72 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 59 |
| 4 | 1,3-Dihydro-5,6-dimethyl-1-(2-pr... | 216 | C12H12N2S | 080276-22-8 | 58 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

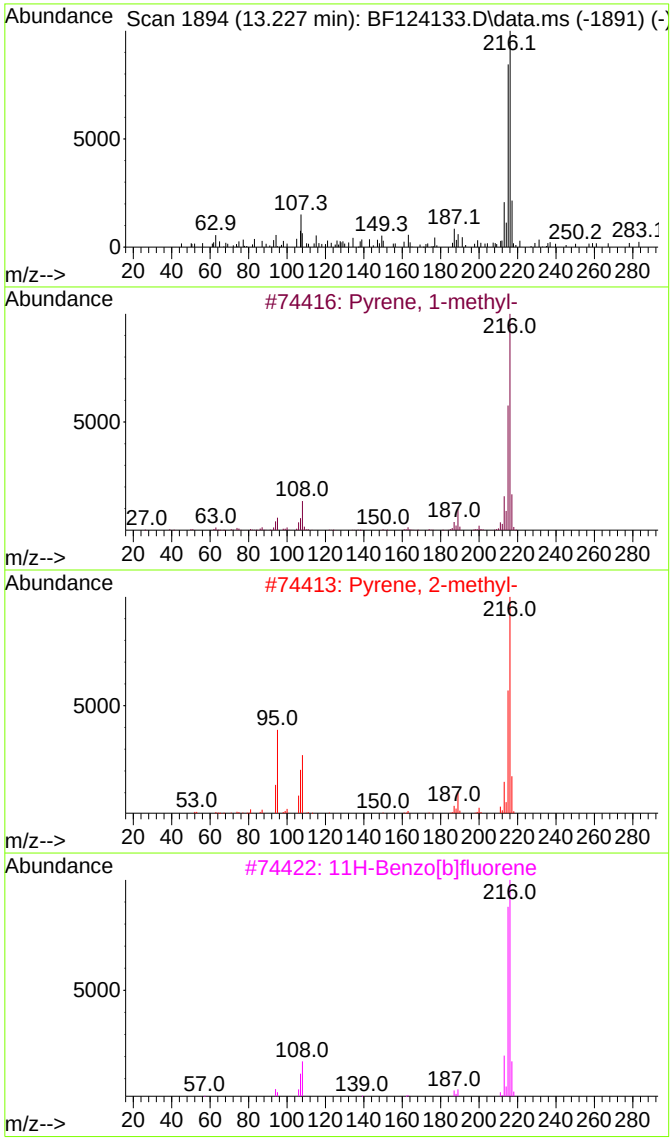
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

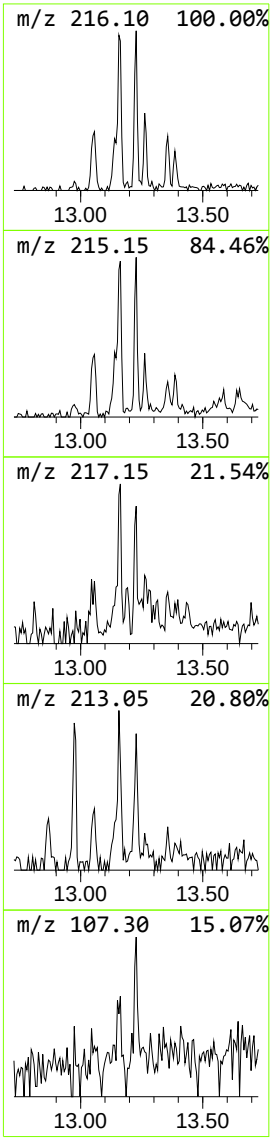
**********

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.227 | 2.14 ng | 59376 | Chrysene-d12 | 14.033 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 87 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 81 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 74 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124133.D
Acq On : 4 Jun 2021 11:32
Operator : JU/CG
Sample : M2580-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 18-B4(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-metho... | 2.151 | 32.8 | ng | 471262 | 1 | 6.863 | 287249 | 20.0 |
| unknown2.25 | 2.257 | 2.9 | ng | 40970 | 1 | 6.863 | 287249 | 20.0 |
| 2-Hexanol, 2-me... | 5.092 | 3.1 | ng | 44235 | 1 | 6.863 | 287249 | 20.0 |
| Ethanol, 2-(2-e... | 6.698 | 3.1 | ng | 44085 | 1 | 6.863 | 287249 | 20.0 |
| Phenol, 2-methyl- | 7.275 | 2.8 | ng | 39757 | 1 | 6.863 | 287249 | 20.0 |
| Benzocyclohepta... | 8.857 | 2.3 | ng | 43345 | 2 | 8.145 | 373385 | 20.0 |
| 2,4,7,9-Tetrame... | 9.339 | 3.9 | ng | 74313 | 3 | 9.898 | 383125 | 20.0 |
| 5,6,7,8-Tetrahy... | 10.104 | 2.8 | ng | 54264 | 3 | 9.898 | 383125 | 20.0 |
| unknown10.79 | 10.798 | 2.1 | ng | 34796 | 4 | 11.386 | 323844 | 20.0 |
| 9H-Fluorene, 1-... | 10.992 | 3.6 | ng | 58477 | 4 | 11.386 | 323844 | 20.0 |
| unknown11.25 | 11.251 | 2.4 | ng | 38846 | 4 | 11.386 | 323844 | 20.0 |
| Dibenzothiophene | 11.280 | 2.7 | ng | 44277 | 4 | 11.386 | 323844 | 20.0 |
| Phenanthrene, 1... | 11.886 | 5.5 | ng | 88814 | 4 | 11.386 | 323844 | 20.0 |
| Phenanthrene, 2... | 11.916 | 15.4 | ng | 249695 | 4 | 11.386 | 323844 | 20.0 |
| 4H-Cyclopenta[d... | 12.004 | 7.7 | ng | 124649 | 4 | 11.386 | 323844 | 20.0 |
| Naphthalene, 2-... | 12.186 | 3.0 | ng | 48621 | 4 | 11.386 | 323844 | 20.0 |
| Octadecanoic acid | 12.704 | 30.5 | ng | 494344 | 4 | 11.386 | 323844 | 20.0 |
| 11H-Benzo[a]flu... | 13.157 | 3.5 | ng | 97744 | 5 | 14.033 | 556127 | 20.0 |
| Pyrene, 1-methyl- | 13.227 | 2.1 | ng | 59376 | 5 | 14.033 | 556127 | 20.0 |