LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141264.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.410 | 555 | 564 | 575 | rBV | 973675 | 1279484 | 24.05% | 2.696% |
| 2 | 6.428 | 727 | 737 | 744 | rBV | 995197 | 1284204 | 24.14% | 2.706% |
| 3 | 6.640 | 767 | 773 | 777 | rBV2 | 50390 | 80602 | 1.52% | 0.170% |
| 4 | 6.804 | 796 | 801 | 807 | rBV | 758970 | 942796 | 17.72% | 1.987% |
| 5 | 7.081 | 838 | 848 | 851 | rBV3 | 28117 | 62093 | 1.17% | 0.131% |
| 6 | 7.204 | 863 | 869 | 877 | rBV5 | 40886 | 78439 | 1.47% | 0.165% |
| 7 | 7.363 | 887 | 896 | 900 | rBV | 646694 | 880470 | 16.55% | 1.856% |
| 8 | 7.404 | 900 | 903 | 907 | rVV | 97002 | 120596 | 2.27% | 0.254% |
| 9 | 7.616 | 933 | 939 | 947 | rVB5 | 43310 | 99960 | 1.88% | 0.211% |
| 10 | 7.734 | 948 | 959 | 962 | rBV8 | 35579 | 103761 | 1.95% | 0.219% |
| 11 | 7.828 | 968 | 975 | 980 | rBV3 | 49425 | 124795 | 2.35% | 0.263% |
| 12 | 8.087 | 1006 | 1019 | 1027 | rBV2 | 1009027 | 2199041 | 41.34% | 4.634% |
| 13 | 8.151 | 1027 | 1030 | 1042 | rVB3 | 66013 | 128076 | 2.41% | 0.270% |
| 14 | 8.381 | 1064 | 1069 | 1075 | rBV7 | 33736 | 55255 | 1.04% | 0.116% |
| 15 | 8.439 | 1075 | 1079 | 1081 | rBV | 64394 | 81215 | 1.53% | 0.171% |
| 16 | 8.510 | 1087 | 1091 | 1096 | rBV | 45943 | 69509 | 1.31% | 0.146% |
| 17 | 8.592 | 1101 | 1105 | 1109 | rBV2 | 49037 | 65383 | 1.23% | 0.138% |
| 18 | 8.681 | 1116 | 1120 | 1124 | rBV | 154004 | 188258 | 3.54% | 0.397% |
| 19 | 8.798 | 1135 | 1140 | 1145 | rVB | 437729 | 548316 | 10.31% | 1.156% |
| 20 | 8.898 | 1152 | 1157 | 1165 | rVB | 392770 | 516426 | 9.71% | 1.088% |
| 21 | 9.163 | 1197 | 1202 | 1207 | rVB | 1211983 | 1488882 | 27.99% | 3.138% |
| 22 | 9.245 | 1211 | 1216 | 1224 | rBV2 | 173258 | 333590 | 6.27% | 0.703% |
| 23 | 9.357 | 1232 | 1235 | 1240 | rVB | 53667 | 82666 | 1.55% | 0.174% |
| 24 | 9.428 | 1241 | 1247 | 1251 | rBV | 155692 | 252796 | 4.75% | 0.533% |
| 25 | 9.498 | 1255 | 1259 | 1262 | rVV | 244276 | 350734 | 6.59% | 0.739% |
| 26 | 9.528 | 1262 | 1264 | 1267 | rVV | 129900 | 141457 | 2.66% | 0.298% |
| 27 | 9.563 | 1267 | 1270 | 1273 | rVV4 | 60867 | 84534 | 1.59% | 0.178% |
| 28 | 9.622 | 1276 | 1280 | 1289 | rVB | 118721 | 192123 | 3.61% | 0.405% |
| 29 | 9.698 | 1289 | 1293 | 1298 | rVB | 96658 | 130824 | 2.46% | 0.276% |
| 30 | 9.775 | 1302 | 1306 | 1310 | rVB | 133672 | 159180 | 2.99% | 0.335% |
| 31 | 9.839 | 1310 | 1317 | 1320 | rBV | 971978 | 1329437 | 24.99% | 2.802% |
| 32 | 9.875 | 1320 | 1323 | 1327 | rVB | 693122 | 810133 | 15.23% | 1.707% |
| 33 | 9.951 | 1332 | 1336 | 1339 | rBV2 | 48790 | 65318 | 1.23% | 0.138% |
| 34 | 9.998 | 1340 | 1344 | 1347 | rBV4 | 44445 | 76416 | 1.44% | 0.161% |
| 35 | 10.045 | 1347 | 1352 | 1356 | rVV | 458971 | 606419 | 11.40% | 1.278% |
| 36 | 10.086 | 1356 | 1359 | 1366 | rVB5 | 67521 | 108046 | 2.03% | 0.228% |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.157 | 1368 | 1371 | 1374 | rVV2 | 57832 | 76352 | 1.44% | 0.161% |
| 38 | 10.275 | 1383 | 1391 | 1397 | rBV2 | 135454 | 231813 | 4.36% | 0.489% |
| 39 | 10.386 | 1406 | 1410 | 1416 | rBV | 631264 | 830481 | 15.61% | 1.750% |
| 40 | 10.457 | 1416 | 1422 | 1423 | rBV2 | 62426 | 100556 | 1.89% | 0.212% |
| 41 | 10.551 | 1434 | 1438 | 1442 | rVB2 | 184285 | 252211 | 4.74% | 0.532% |
| 42 | 10.628 | 1446 | 1451 | 1456 | rBV | 760257 | 989358 | 18.60% | 2.085% |
| 43 | 10.751 | 1468 | 1472 | 1479 | rVB | 175224 | 284409 | 5.35% | 0.599% |
| 44 | 10.939 | 1498 | 1504 | 1507 | rBV4 | 123757 | 236850 | 4.45% | 0.499% |
| 45 | 11.133 | 1533 | 1537 | 1541 | rVB | 175947 | 223208 | 4.20% | 0.470% |
| 46 | 11.198 | 1541 | 1548 | 1550 | rVV4 | 118017 | 232938 | 4.38% | 0.491% |
| 47 | 11.228 | 1550 | 1553 | 1559 | rVB | 324135 | 416611 | 7.83% | 0.878% |
| 48 | 11.357 | 1566 | 1575 | 1579 | rBV2 | 3315545 | 5319731 | 100.00% | 11.211% |
| 49 | 11.404 | 1579 | 1583 | 1587 | rVB | 654101 | 822552 | 15.46% | 1.734% |
| 50 | 11.557 | 1604 | 1609 | 1617 | rBV | 337132 | 519099 | 9.76% | 1.094% |
| 51 | 11.627 | 1617 | 1621 | 1624 | rVV2 | 137679 | 194831 | 3.66% | 0.411% |
| 52 | 11.657 | 1624 | 1626 | 1632 | rVB2 | 154907 | 207230 | 3.90% | 0.437% |
| 53 | 11.727 | 1633 | 1638 | 1645 | rVB2 | 733283 | 1011927 | 19.02% | 2.133% |
| 54 | 11.786 | 1645 | 1648 | 1651 | rBV2 | 54647 | 80958 | 1.52% | 0.171% |
| 55 | 11.833 | 1651 | 1656 | 1658 | rVV | 373976 | 516237 | 9.70% | 1.088% |
| 56 | 11.863 | 1658 | 1661 | 1665 | rVV | 829627 | 1037431 | 19.50% | 2.186% |
| 57 | 11.904 | 1665 | 1668 | 1671 | rVV | 98310 | 128204 | 2.41% | 0.270% |
| 58 | 11.945 | 1671 | 1675 | 1683 | rVB2 | 620686 | 1107627 | 20.82% | 2.334% |
| 59 | 12.033 | 1687 | 1690 | 1693 | rBV | 70085 | 77303 | 1.45% | 0.163% |
| 60 | 12.127 | 1702 | 1706 | 1709 | rBV | 235644 | 353626 | 6.65% | 0.745% |
| 61 | 12.274 | 1726 | 1731 | 1734 | rBV3 | 65075 | 126273 | 2.37% | 0.266% |
| 62 | 12.310 | 1734 | 1737 | 1744 | rVB3 | 105599 | 219427 | 4.12% | 0.462% |
| 63 | 12.386 | 1745 | 1750 | 1751 | rBV | 222785 | 286023 | 5.38% | 0.603% |
| 64 | 12.416 | 1751 | 1755 | 1757 | rBV | 1461607 | 1980160 | 37.22% | 4.173% |
| 65 | 12.551 | 1769 | 1778 | 1791 | rBV | 2585801 | 4897838 | 92.07% | 10.322% |
| 66 | 12.651 | 1791 | 1795 | 1800 | rBV5 | 141249 | 233853 | 4.40% | 0.493% |
| 67 | 12.774 | 1810 | 1816 | 1822 | rBV | 1943648 | 3015721 | 56.69% | 6.356% |
| 68 | 12.916 | 1833 | 1840 | 1848 | rVB | 1008639 | 1548140 | 29.10% | 3.263% |
| 69 | 12.992 | 1849 | 1853 | 1861 | rBV5 | 157381 | 333003 | 6.26% | 0.702% |
| 70 | 13.104 | 1869 | 1872 | 1876 | rVB2 | 274520 | 349902 | 6.58% | 0.737% |
| 71 | 13.169 | 1880 | 1883 | 1886 | rVB | 182112 | 219680 | 4.13% | 0.463% |
| 72 | 13.204 | 1886 | 1889 | 1893 | rBV | 174001 | 224608 | 4.22% | 0.473% |
| 73 | 13.721 | 1974 | 1977 | 1980 | rBV3 | 161458 | 213626 | 4.02% | 0.450% |
| 74 | 13.974 | 2015 | 2020 | 2023 | rBV2 | 1200574 | 1977663 | 37.18% | 4.168% |
| 75 | 15.033 | 2196 | 2200 | 2208 | rBV | 296497 | 621548 | 11.68% | 1.310% |
| 76 | 15.392 | 2258 | 2261 | 2267 | rVB | 226474 | 298258 | 5.61% | 0.629% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 15.457 | 2268 | 2272 | 2276 | rBV | 359537 | 531354 | 9.99% | 1.120% |

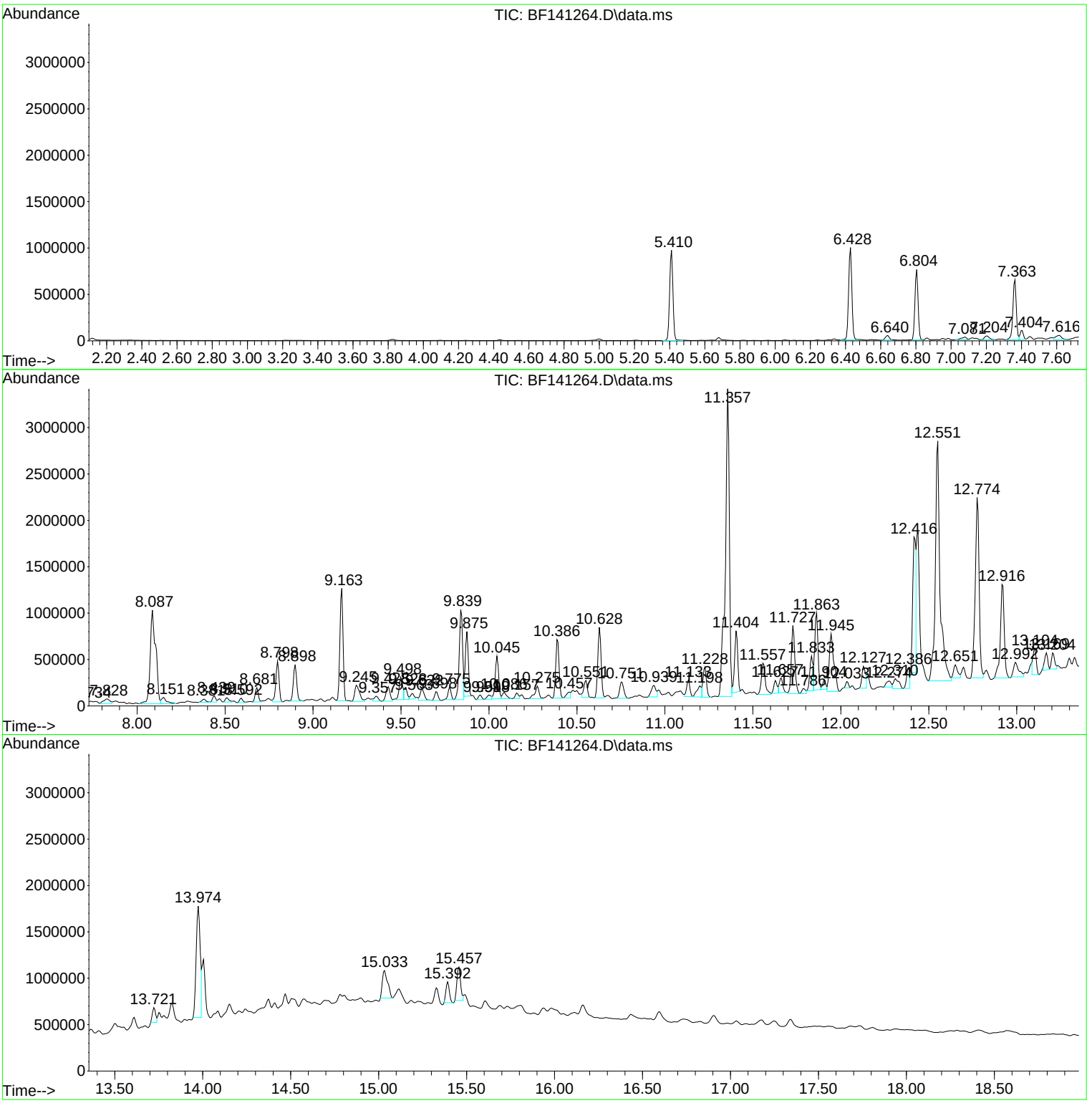
Sum of corrected areas: 47449854

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

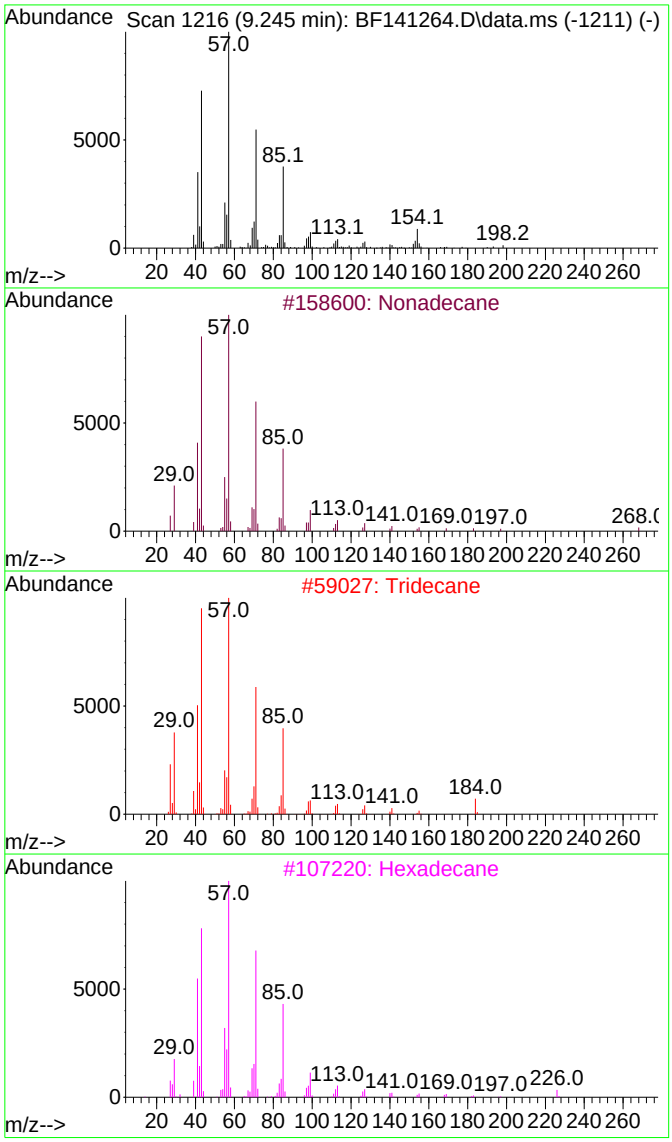
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

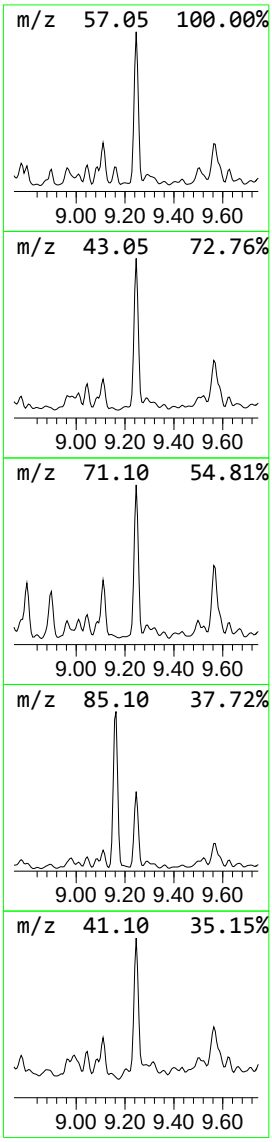
**********

Peak Number 1 Nonadecane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.245 | 5.02 ng | 333590 | Acenaphthene-d10 | 9.839 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 83 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 83 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 83 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 81 |
| 5 | Dodecane | 170 | C12H26 | 000112-40-3 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

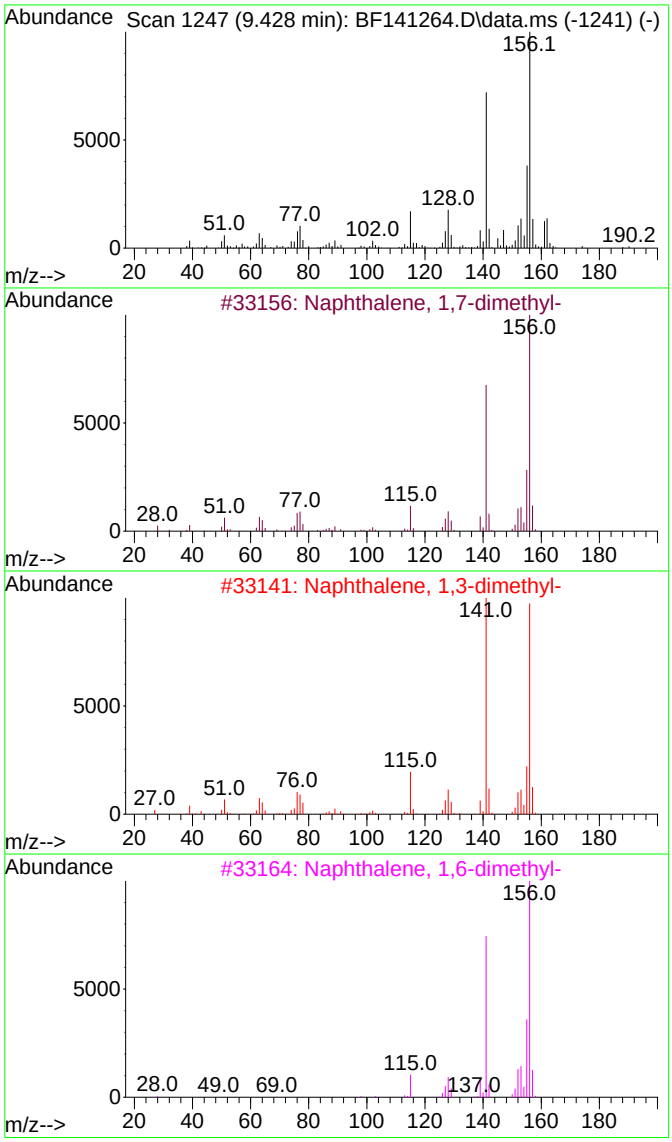
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

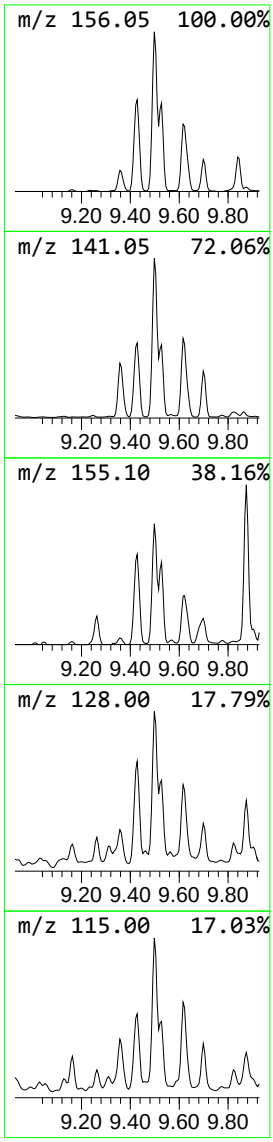
**********

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.428 | 3.80 ng | 252796 | Acenaphthene-d10 | 9.839 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

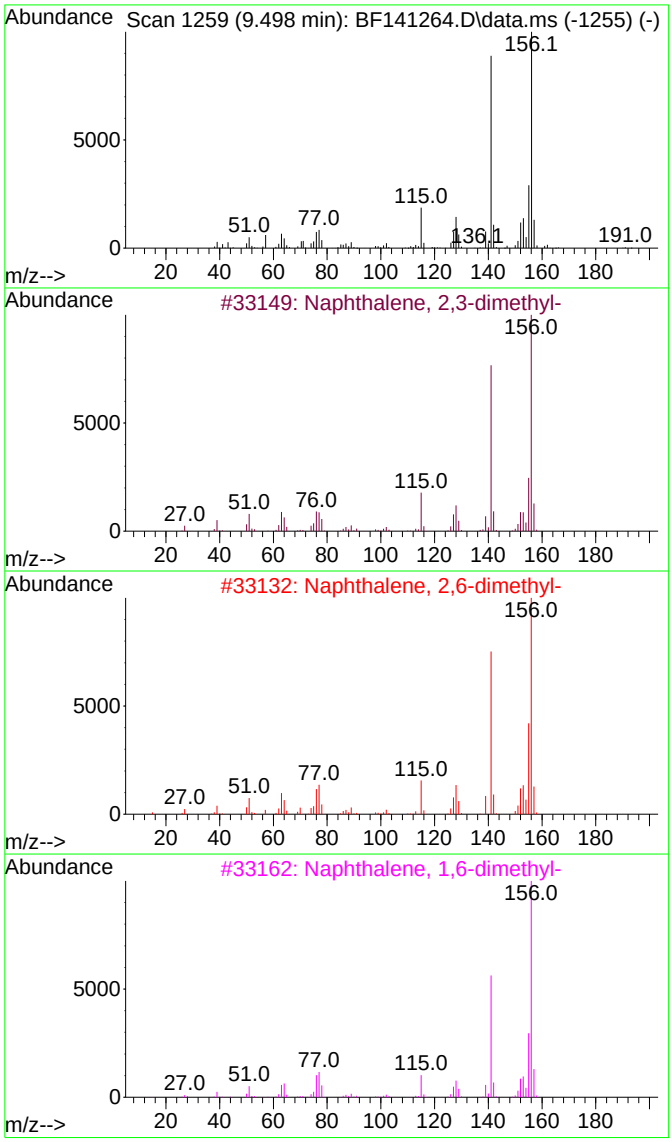
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

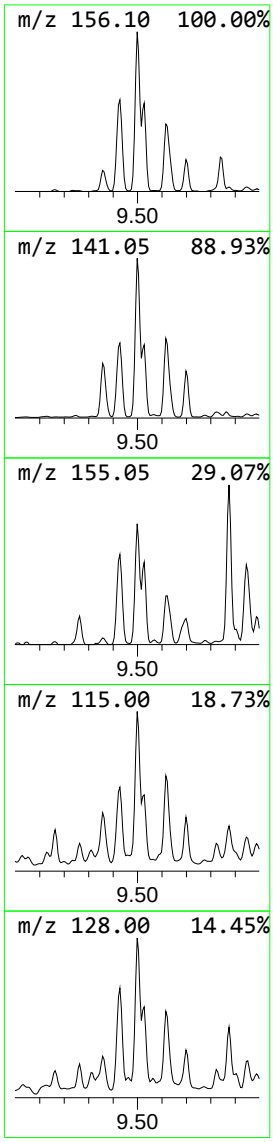
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.498 | 5.28 ng | 350734 | Acenaphthene-d10 | 9.839 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 4 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 5 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 97 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

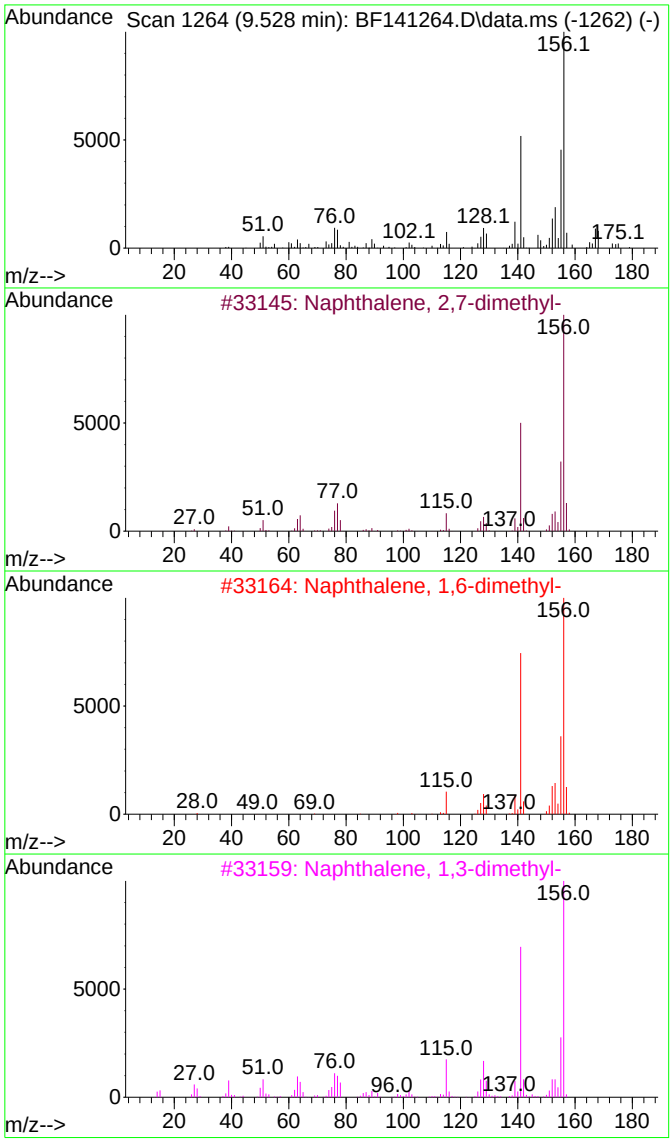
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

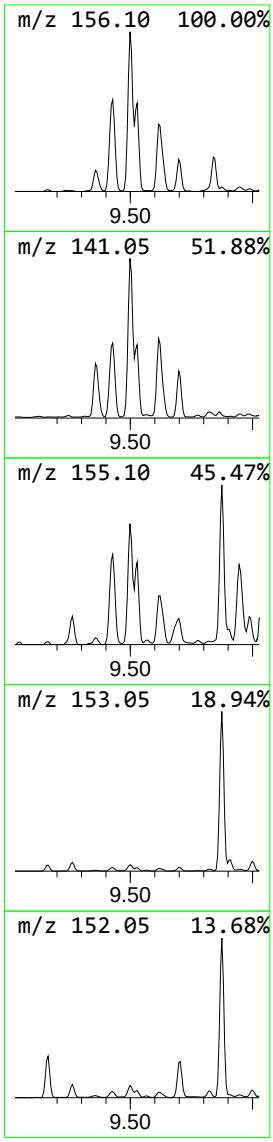
**********

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.528 | 2.13 ng | 141457 | Acenaphthene-d10 | 9.839 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 87 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 70 |
| 3 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 68 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 68 |
| 5 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

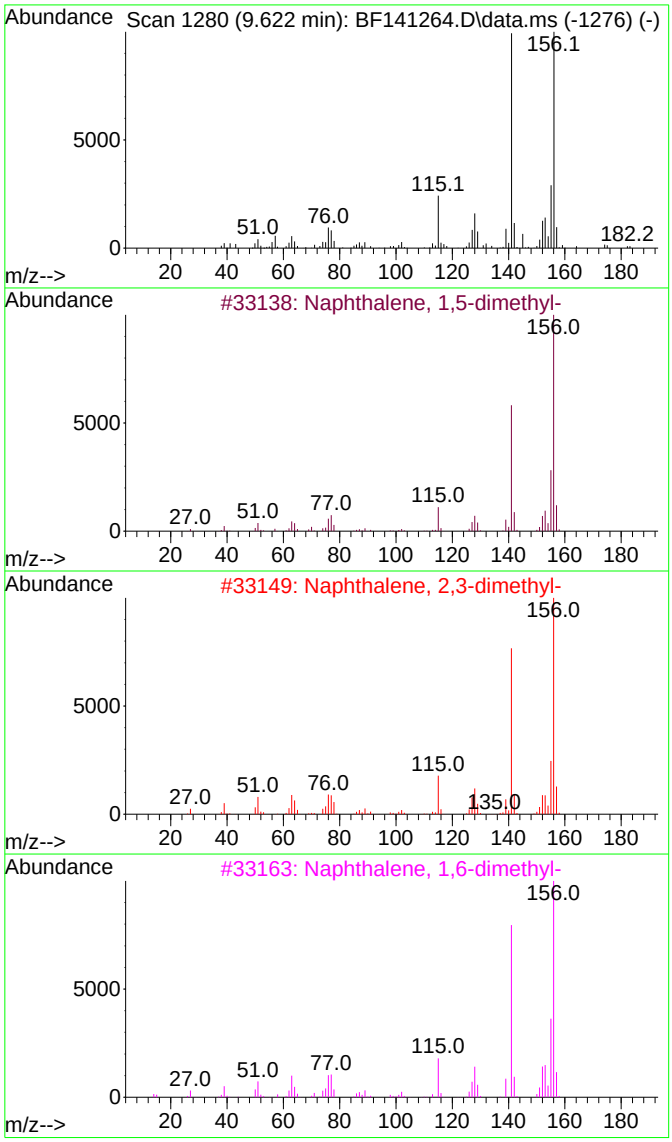
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

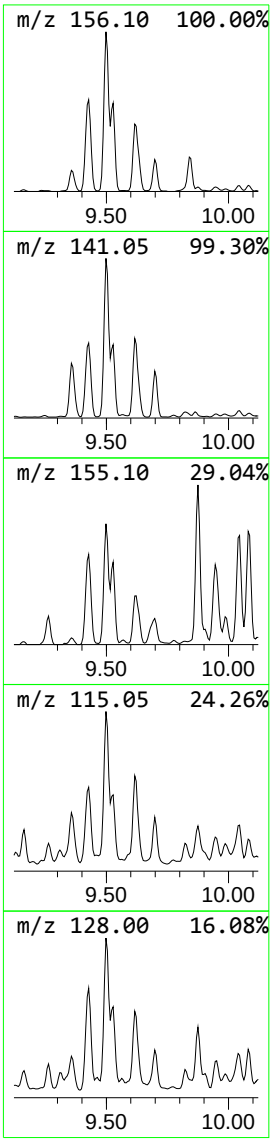
**********

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.622 | 2.89 ng | 192123 | Acenaphthene-d10 | 9.839 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 97 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 5 | Naphthalene, 1,8-dimethyl- | 156 | C12H12 | 000569-41-5 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

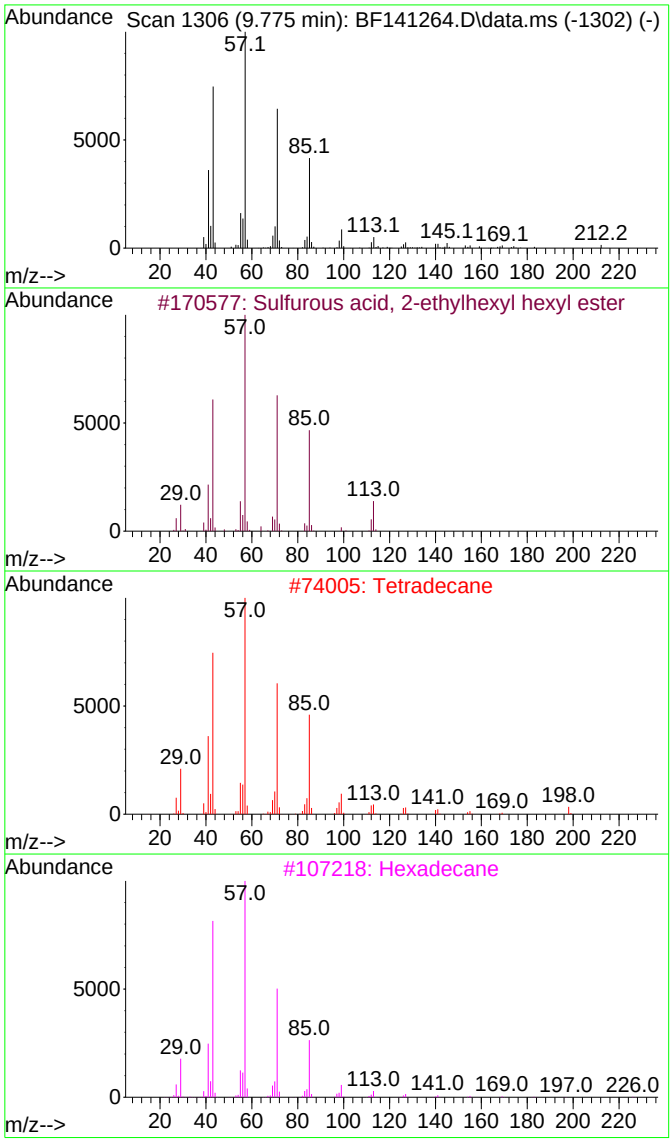
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

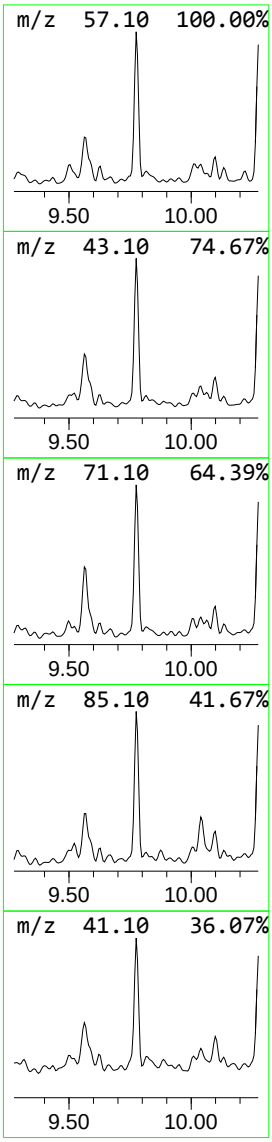
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Sulfurous acid, 2-ethylhexy... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.775 | 2.39 ng | 159180 | Acenaphthene-d10 | 9.839 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 80 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 72 |
| 4 | Nonane, 5-butyl- | 184 | C13H28 | 017312-63-9 | 72 |
| 5 | Nonane, 2-methyl-5-propyl- | 184 | C13H28 | 031081-17-1 | 72 |



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Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

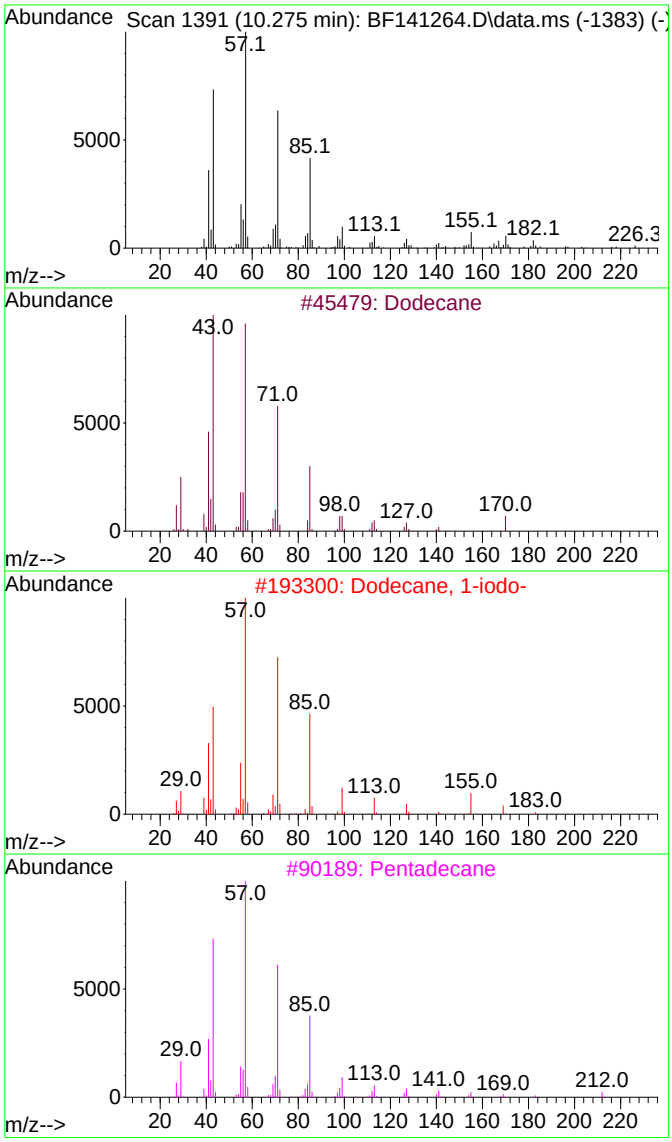
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

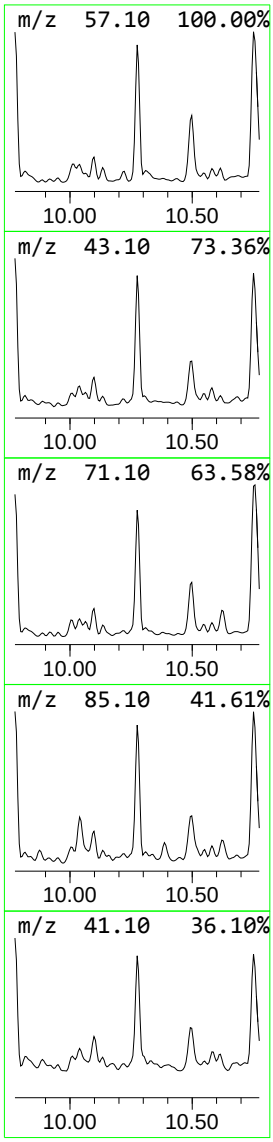
**********

Peak Number 7 Dodecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.275 | 3.49 ng | 231813 | Acenaphthene-d10 | 9.839 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane | 170 | C12H26 | 000112-40-3 | 90 |
| 2 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 87 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 87 |
| 4 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 87 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 87 |



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Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

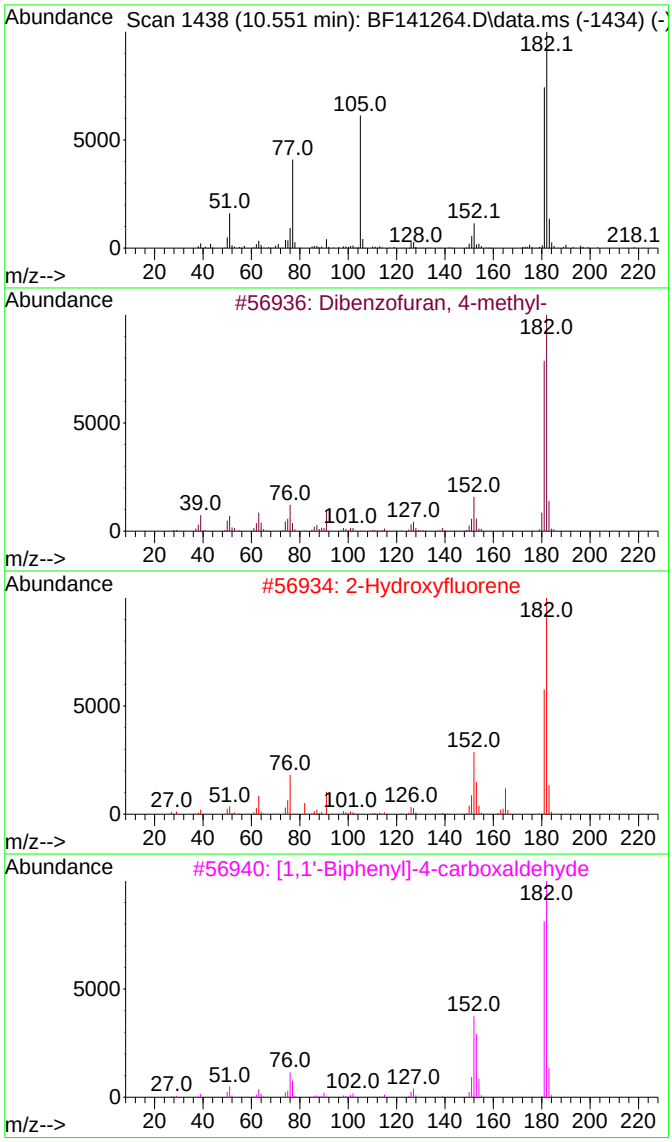
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

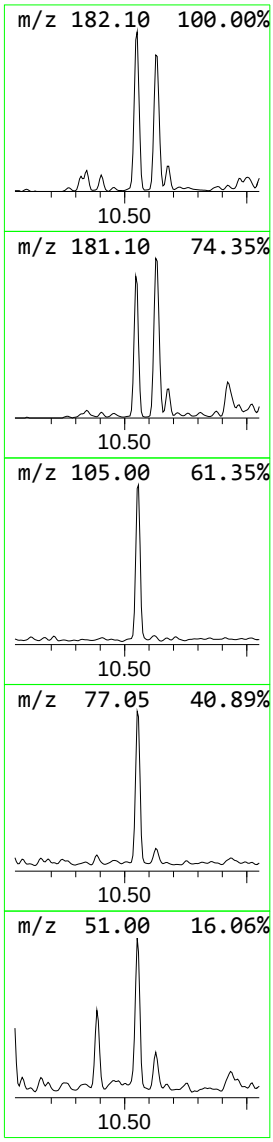
**********

Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.551 | 3.79 ng | 252211 | Acenaphthene-d10 | 9.839 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 74 |
| 2 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 64 |
| 3 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 59 |
| 4 | Benzophenone | 182 | C13H10O | 000119-61-9 | 49 |
| 5 | 8-Methyl-5H-pyrido[4,3-b]indole | 182 | C12H10N2 | 088894-13-7 | 43 |



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Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

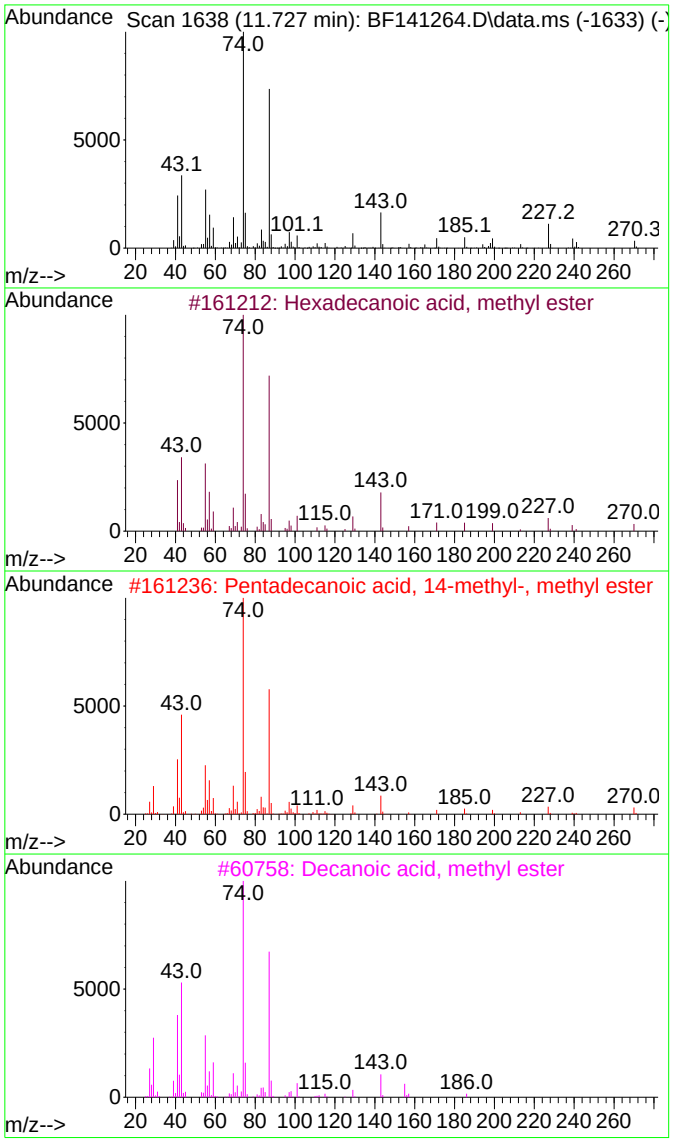
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

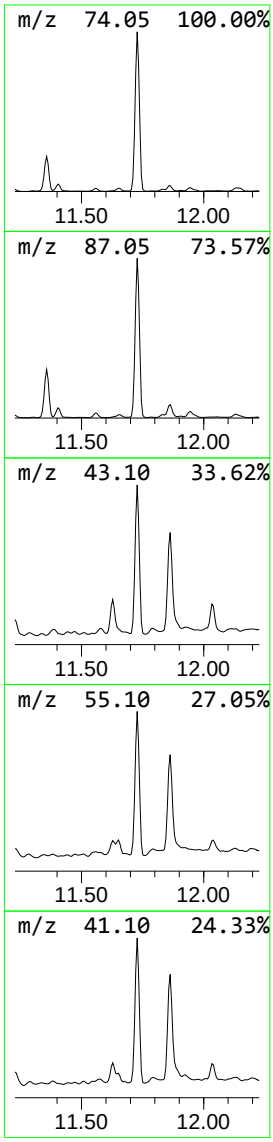
**********

Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.727 | 3.80 ng | 1011930 | Phenanthrene-d10 | 11.333 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 98 |
| 2 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 92 |
| 3 | Decanoic acid, methyl ester | 186 | C11H22O2 | 000110-42-9 | 87 |
| 4 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 86 |
| 5 | Tridecanoic acid, 12-methyl-, me... | 242 | C15H30O2 | 005129-58-8 | 83 |



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Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

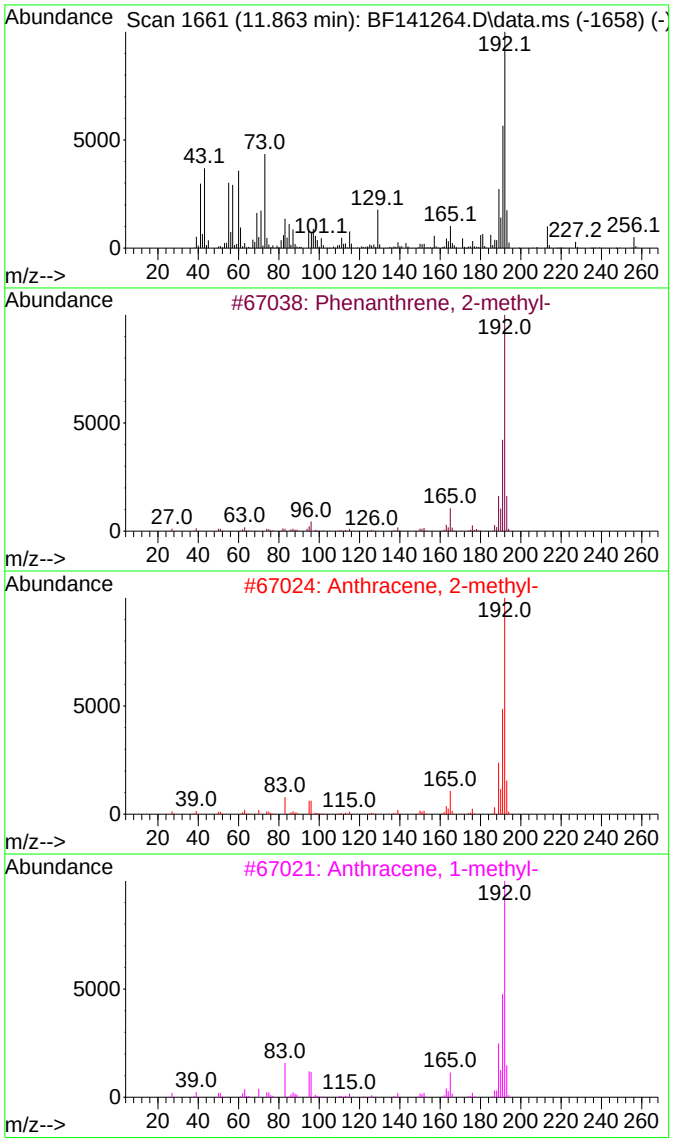
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

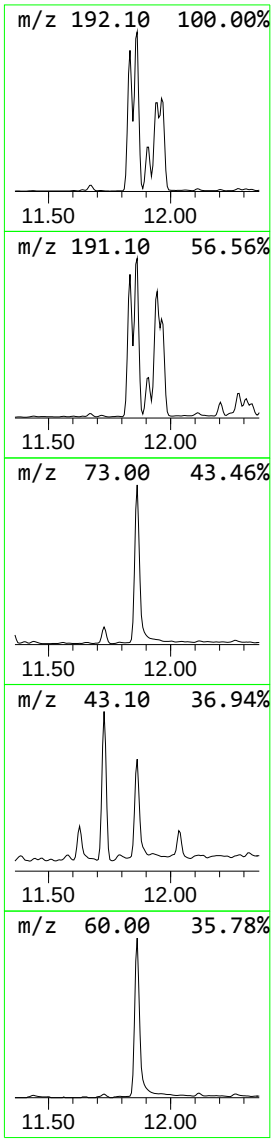
**********

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.863 | 3.90 ng | 1037430 | Phenanthrene-d10 | 11.333 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 96 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |



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Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

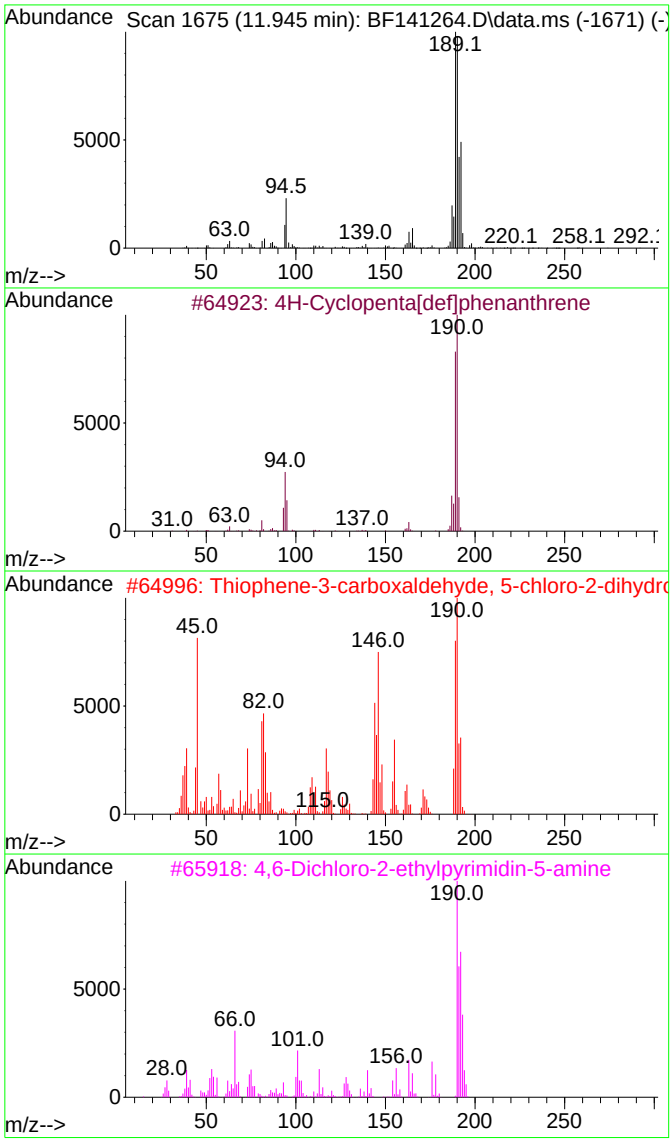
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

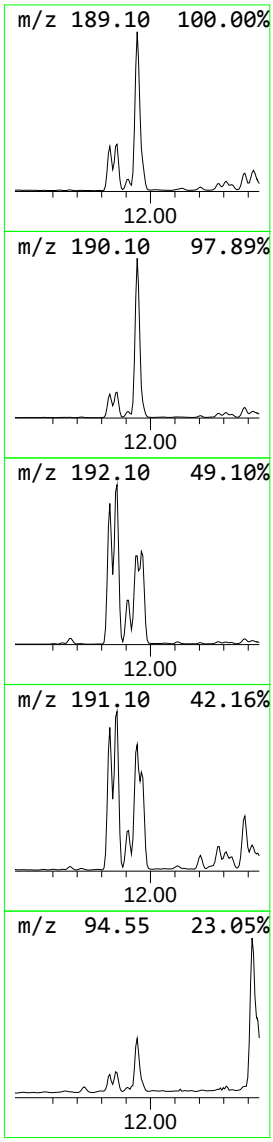
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.945 | 4.16 ng | 1107630 | Phenanthrene-d10 | 11.333 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 92 |
| 2 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 50 |
| 3 | 4,6-Dichloro-2-ethylpyrimidin-5-... | 191 | C6H7Cl2N3 | 006237-96-3 | 43 |
| 4 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 43 |
| 5 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 42 |



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Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

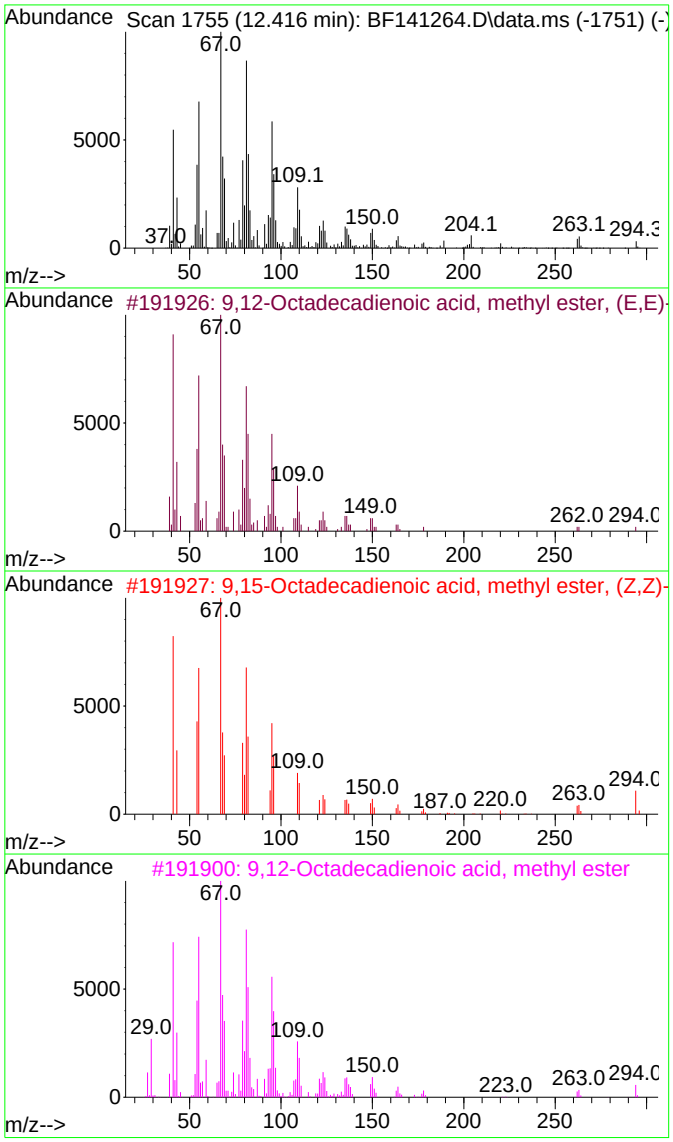
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

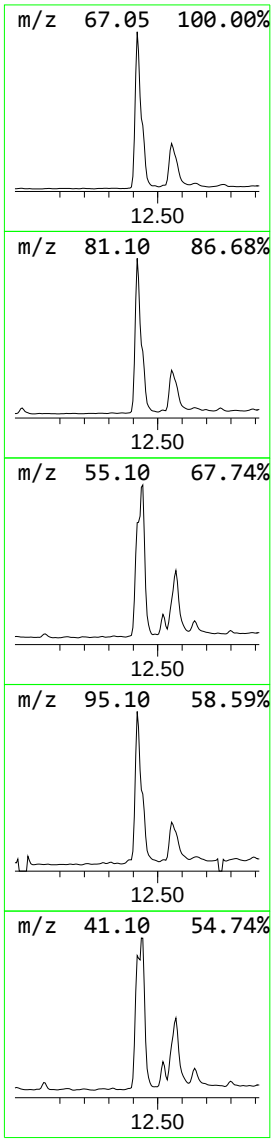
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 9,12-Octadecadienoic acid, ... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.416 | 7.44 ng | 1980160 | Phenanthrene-d10 | 11.333 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99 |
| 2 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |
| 3 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |
| 4 | Methyl 10-trans,12-cis-octadecad... | 294 | C19H34O2 | 1000336-44-2 | 99 |
| 5 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

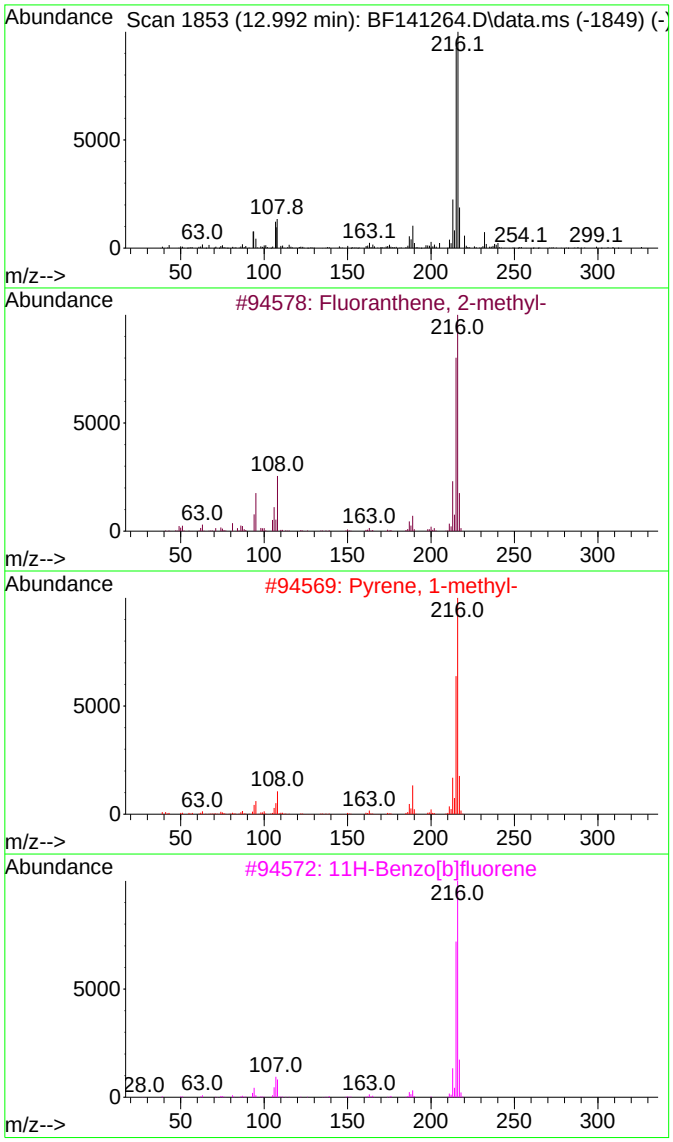
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

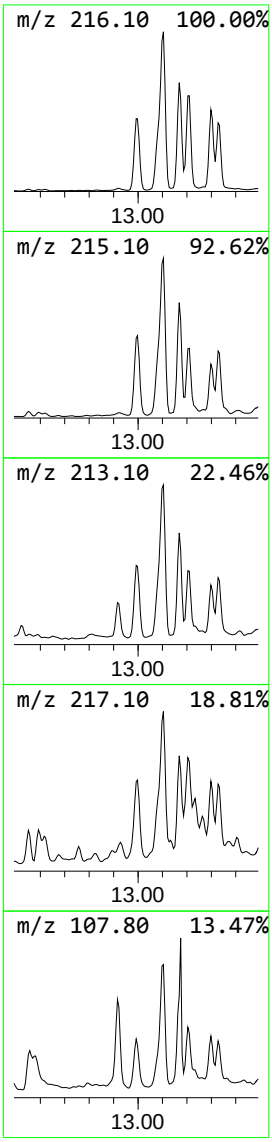
**********

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.992 | 3.37 ng | 333003 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 89 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

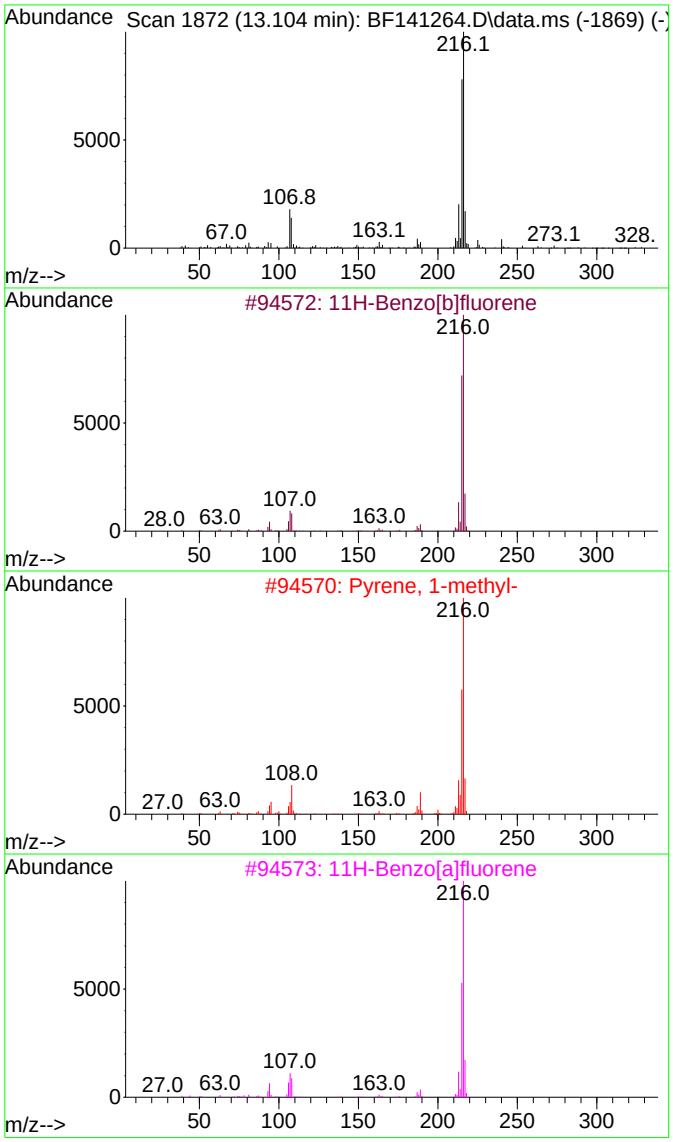
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

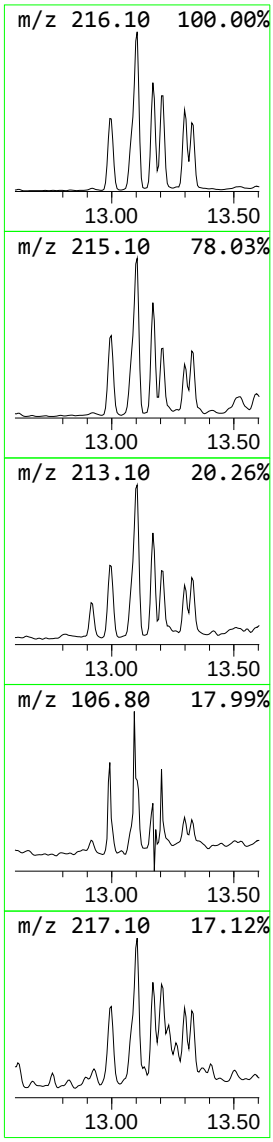
**********

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.104 | 3.54 ng | 349902 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 74 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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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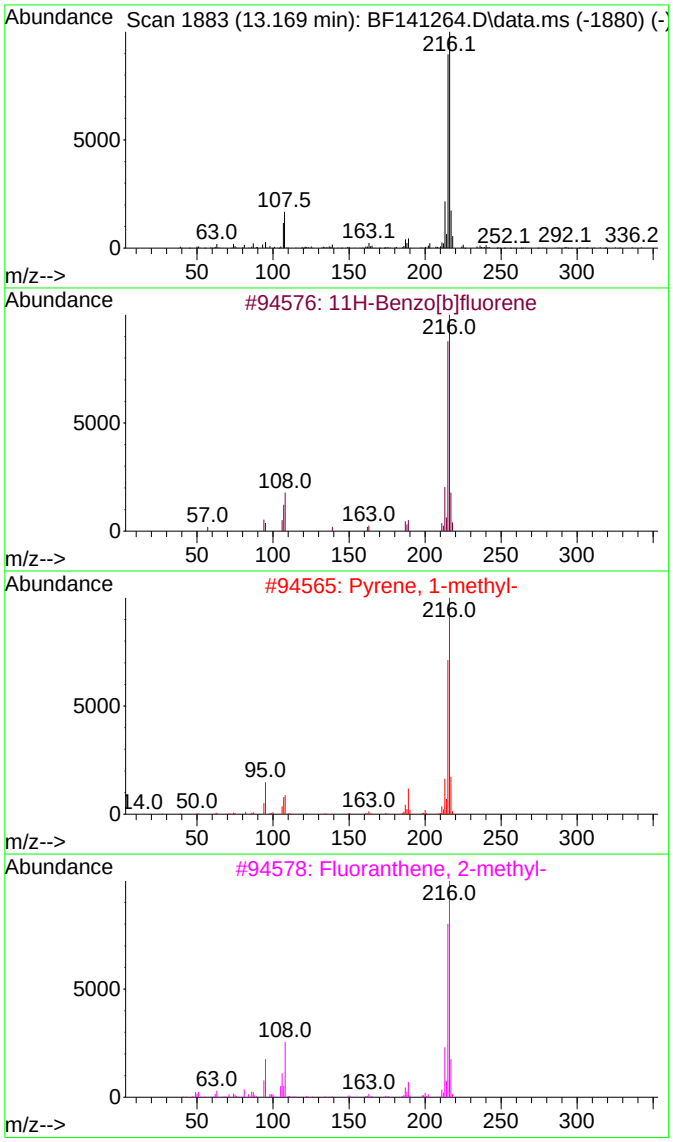
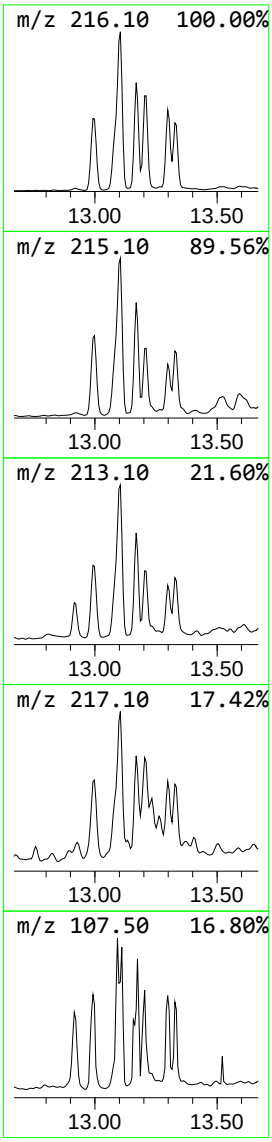
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.169 | 2.22 ng | 219680 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 94 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 81 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 72 |
| 5 | trans-p-(Trifluoromethyl)cinnami... | 216 | C10H7F3O2 | 016642-92-5 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

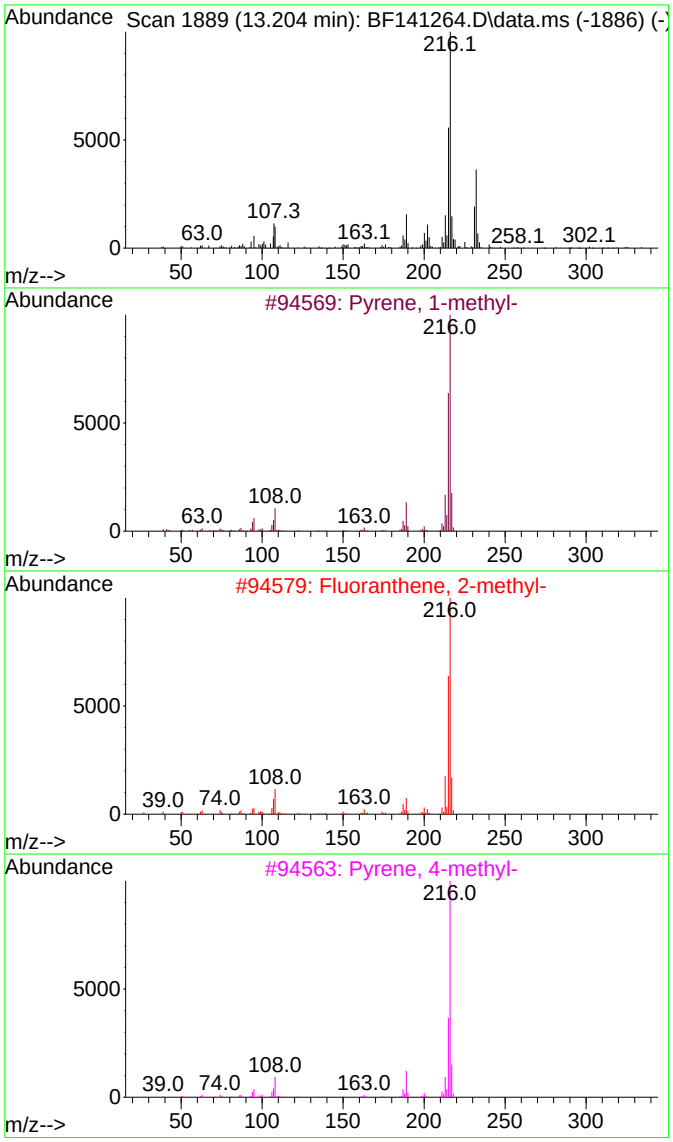
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

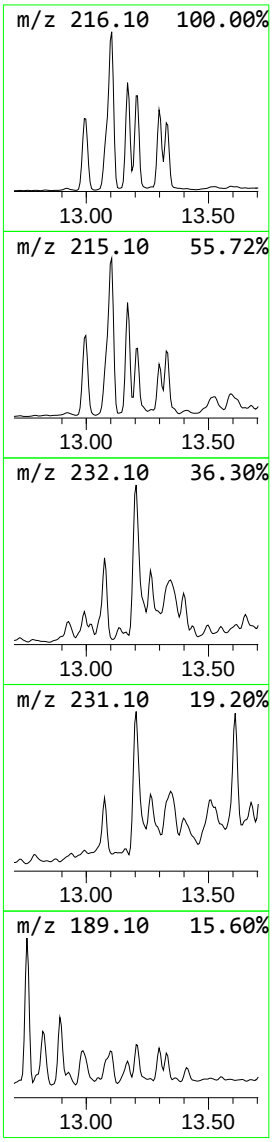
**********

Peak Number 16 Pyrene, 4-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.204 | 2.27 ng | 224608 | Chrysene-d12 | 13.980 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 3 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 91 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 86 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

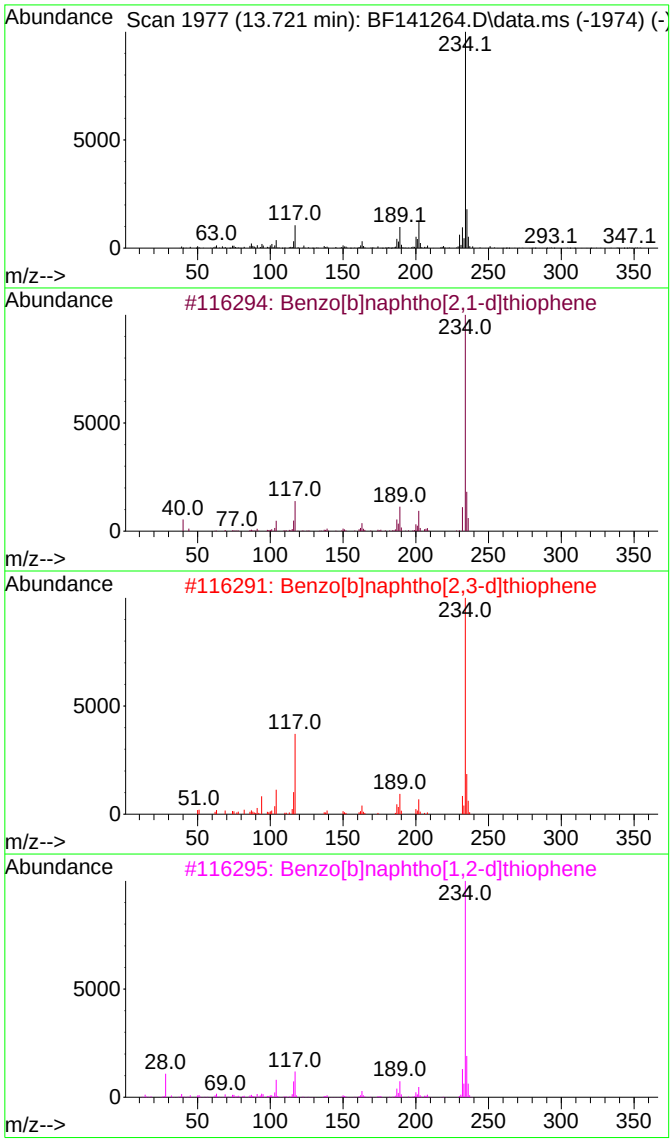
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

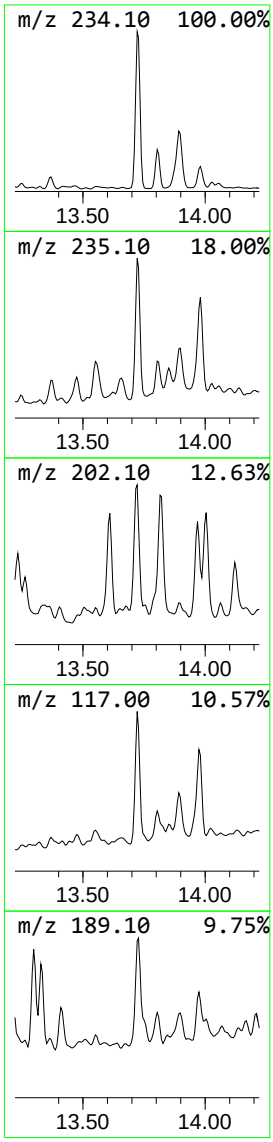
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.722 | 2.16 ng | 213626 | Chrysene-d12 | 13.980 |

| 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 | 94 |
| 3 | Benzo[b]naphtho[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 91 |
| 4 | Quinoxalino[2,3-b]quinoxaline, 5... | 234 | C14H10N4 | 000531-46-4 | 59 |
| 5 | Anthra[1,9a,9-cd:5,10a,10-c'd']d... | 234 | C14H6N2O2 | 000201-91-2 | 53 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141264.D
Acq On : 24 Jan 2025 16:02
Operator : RC/JU
Sample : Q1170-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-03-01232025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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 |
| Nonadecane | 9.245 | 5.0 | ng | 333590 | 3 | 9.839 | 1329440 | 20.0 |
| Naphthalene, 1,... | 9.428 | 3.8 | ng | 252796 | 3 | 9.839 | 1329440 | 20.0 |
| Naphthalene, 2,... | 9.498 | 5.3 | ng | 350734 | 3 | 9.839 | 1329440 | 20.0 |
| Naphthalene, 2,... | 9.528 | 2.1 | ng | 141457 | 3 | 9.839 | 1329440 | 20.0 |
| Naphthalene, 1,... | 9.622 | 2.9 | ng | 192123 | 3 | 9.839 | 1329440 | 20.0 |
| Sulfurous acid,... | 9.775 | 2.4 | ng | 159180 | 3 | 9.839 | 1329440 | 20.0 |
| Dodecane | 10.275 | 3.5 | ng | 231813 | 3 | 9.839 | 1329440 | 20.0 |
| Dibenzofuran, 4... | 10.551 | 3.8 | ng | 252211 | 3 | 9.839 | 1329440 | 20.0 |
| Hexadecanoic ac... | 11.727 | 3.8 | ng | 1011930 | 4 | 11.333 | 5319730 | 20.0 |
| Phenanthrene, 2... | 11.863 | 3.9 | ng | 1037430 | 4 | 11.333 | 5319730 | 20.0 |
| 4H-Cyclopenta[d... | 11.945 | 4.2 | ng | 1107630 | 4 | 11.333 | 5319730 | 20.0 |
| 9,12-Octadecadi... | 12.416 | 7.4 | ng | 1980160 | 4 | 11.333 | 5319730 | 20.0 |
| Fluoranthene, 2... | 12.992 | 3.4 | ng | 333003 | 5 | 13.980 | 1977660 | 20.0 |
| 11H-Benzo[b]flu... | 13.104 | 3.5 | ng | 349902 | 5 | 13.980 | 1977660 | 20.0 |
| Pyrene, 1-methyl- | 13.169 | 2.2 | ng | 219680 | 5 | 13.980 | 1977660 | 20.0 |
| Pyrene, 4-methyl- | 13.204 | 2.3 | ng | 224608 | 5 | 13.980 | 1977660 | 20.0 |
| Benzo[b]naphtho... | 13.722 | 2.2 | ng | 213626 | 5 | 13.980 | 1977660 | 20.0 |