LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** VNJ-206

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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142110.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.157 | 4 | 11 | 26 | rVB | 906678 | 1478875 | 32.58% | 3.396% |
| 2 | 5.093 | 499 | 510 | 525 | rVB | 156869 | 261178 | 5.75% | 0.600% |
| 3 | 5.487 | 571 | 577 | 596 | rBV | 2155334 | 2944833 | 64.88% | 6.762% |
| 4 | 6.493 | 741 | 748 | 766 | rBV | 2158989 | 3031302 | 66.79% | 6.961% |
| 5 | 6.869 | 807 | 812 | 819 | rBV | 644469 | 796848 | 17.56% | 1.830% |
| 6 | 7.428 | 901 | 907 | 918 | rBV | 1485142 | 2034945 | 44.84% | 4.673% |
| 7 | 7.687 | 946 | 951 | 968 | rBV | 44858 | 75481 | 1.66% | 0.173% |
| 8 | 8.151 | 1023 | 1030 | 1039 | rBV2 | 836522 | 1221850 | 26.92% | 2.806% |
| 9 | 8.863 | 1146 | 1151 | 1156 | rBV | 120495 | 152333 | 3.36% | 0.350% |
| 10 | 8.916 | 1156 | 1160 | 1164 | rVV | 36253 | 49354 | 1.09% | 0.113% |
| 11 | 8.963 | 1164 | 1168 | 1176 | rVB | 84522 | 109149 | 2.40% | 0.251% |
| 12 | 9.228 | 1206 | 1213 | 1218 | rBV | 3337041 | 4326887 | 95.34% | 9.936% |
| 13 | 9.328 | 1223 | 1230 | 1234 | rVB | 79657 | 117870 | 2.60% | 0.271% |
| 14 | 9.492 | 1252 | 1258 | 1262 | rBV | 52599 | 86114 | 1.90% | 0.198% |
| 15 | 9.563 | 1262 | 1270 | 1273 | rVV2 | 75199 | 146143 | 3.22% | 0.336% |
| 16 | 9.592 | 1273 | 1275 | 1283 | rVB | 39674 | 47284 | 1.04% | 0.109% |
| 17 | 9.681 | 1286 | 1290 | 1299 | rBV | 28459 | 51352 | 1.13% | 0.118% |
| 18 | 9.863 | 1312 | 1321 | 1323 | rBV | 199890 | 294260 | 6.48% | 0.676% |
| 19 | 9.904 | 1323 | 1328 | 1331 | rVV | 1050267 | 1441981 | 31.77% | 3.311% |
| 20 | 9.939 | 1331 | 1334 | 1338 | rVB | 389339 | 471554 | 10.39% | 1.083% |
| 21 | 10.110 | 1358 | 1363 | 1367 | rBV | 387309 | 482981 | 10.64% | 1.109% |
| 22 | 10.410 | 1407 | 1414 | 1417 | rBV3 | 25982 | 45861 | 1.01% | 0.105% |
| 23 | 10.451 | 1417 | 1421 | 1427 | rVB | 533697 | 675934 | 14.89% | 1.552% |
| 24 | 10.539 | 1427 | 1436 | 1440 | rBV3 | 80503 | 188723 | 4.16% | 0.433% |
| 25 | 10.616 | 1445 | 1449 | 1455 | rVB2 | 371221 | 515000 | 11.35% | 1.183% |
| 26 | 10.692 | 1456 | 1462 | 1468 | rBV | 2374771 | 3228227 | 71.13% | 7.413% |
| 27 | 10.804 | 1477 | 1481 | 1484 | rBV | 67004 | 106288 | 2.34% | 0.244% |
| 28 | 10.998 | 1508 | 1514 | 1518 | rBV3 | 77963 | 136218 | 3.00% | 0.313% |
| 29 | 11.127 | 1531 | 1536 | 1538 | rBV2 | 32263 | 52906 | 1.17% | 0.121% |
| 30 | 11.198 | 1544 | 1548 | 1552 | rVB3 | 64660 | 81163 | 1.79% | 0.186% |
| 31 | 11.239 | 1552 | 1555 | 1559 | rVV2 | 44151 | 71307 | 1.57% | 0.164% |
| 32 | 11.286 | 1559 | 1563 | 1569 | rVB | 222441 | 300786 | 6.63% | 0.691% |
| 33 | 11.392 | 1576 | 1581 | 1583 | rBV | 1082895 | 1533344 | 33.78% | 3.521% |
| 34 | 11.416 | 1583 | 1585 | 1590 | rVV | 2229205 | 2779262 | 61.24% | 6.382% |
| 35 | 11.469 | 1590 | 1594 | 1598 | rVV | 205605 | 292876 | 6.45% | 0.673% |
| 36 | 11.622 | 1614 | 1620 | 1628 | rBV | 110347 | 201289 | 4.44% | 0.462% |

LSC Area Percent Report

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Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.686 | 1628 | 1631 | 1634 | rVV | 34194 | 49300 | 1.09% | 0.113% |
| 38 | 11.722 | 1634 | 1637 | 1644 | rVB3 | 28358 | 46158 | 1.02% | 0.106% |
| 39 | 11.916 | 1660 | 1670 | 1676 | rBV2 | 467881 | 909016 | 20.03% | 2.087% |
| 40 | 11.969 | 1676 | 1679 | 1682 | rVV | 71965 | 111543 | 2.46% | 0.256% |
| 41 | 12.010 | 1682 | 1686 | 1694 | rVB2 | 285356 | 475183 | 10.47% | 1.091% |
| 42 | 12.192 | 1709 | 1717 | 1725 | rVB | 109167 | 217108 | 4.78% | 0.499% |
| 43 | 12.339 | 1737 | 1742 | 1745 | rBV2 | 61305 | 86892 | 1.91% | 0.200% |
| 44 | 12.439 | 1756 | 1759 | 1763 | rBV | 35344 | 50287 | 1.11% | 0.115% |
| 45 | 12.480 | 1763 | 1766 | 1771 | rVB3 | 39933 | 62464 | 1.38% | 0.143% |
| 46 | 12.604 | 1782 | 1787 | 1792 | rBV | 1223895 | 1601812 | 35.29% | 3.678% |
| 47 | 12.704 | 1800 | 1804 | 1809 | rBV2 | 53239 | 82243 | 1.81% | 0.189% |
| 48 | 12.757 | 1810 | 1813 | 1819 | rVB | 36135 | 47232 | 1.04% | 0.108% |
| 49 | 12.833 | 1819 | 1826 | 1832 | rBV | 730774 | 1155490 | 25.46% | 2.653% |
| 50 | 12.880 | 1832 | 1834 | 1840 | rVB2 | 42602 | 57539 | 1.27% | 0.132% |
| 51 | 12.980 | 1842 | 1851 | 1858 | rBV | 3427205 | 4538546 | 100.00% | 10.422% |
| 52 | 13.051 | 1858 | 1863 | 1867 | rBV2 | 42607 | 76791 | 1.69% | 0.176% |
| 53 | 13.163 | 1874 | 1882 | 1886 | rVB | 106978 | 174687 | 3.85% | 0.401% |
| 54 | 13.227 | 1886 | 1893 | 1896 | rBV | 115859 | 163214 | 3.60% | 0.375% |
| 55 | 13.410 | 1918 | 1924 | 1927 | rBV2 | 134402 | 213902 | 4.71% | 0.491% |
| 56 | 13.439 | 1927 | 1929 | 1939 | rVB4 | 82192 | 136680 | 3.01% | 0.314% |
| 57 | 13.780 | 1983 | 1987 | 1990 | rBV | 39437 | 55258 | 1.22% | 0.127% |
| 58 | 13.874 | 1999 | 2003 | 2014 | rVB3 | 123746 | 260390 | 5.74% | 0.598% |
| 59 | 14.033 | 2022 | 2030 | 2041 | rBV2 | 788185 | 1395774 | 30.75% | 3.205% |
| 60 | 14.880 | 2170 | 2174 | 2182 | rBV | 53715 | 79518 | 1.75% | 0.183% |
| 61 | 15.074 | 2202 | 2207 | 2215 | rBV | 97039 | 216989 | 4.78% | 0.498% |
| 62 | 15.186 | 2222 | 2226 | 2238 | rVB4 | 31258 | 82417 | 1.82% | 0.189% |
| 63 | 15.380 | 2254 | 2259 | 2264 | rVB | 44882 | 67619 | 1.49% | 0.155% |
| 64 | 15.439 | 2265 | 2269 | 2274 | rVV | 44652 | 70840 | 1.56% | 0.163% |
| 65 | 15.504 | 2274 | 2280 | 2294 | rVB | 592119 | 952669 | 20.99% | 2.188% |
| 66 | 15.974 | 2355 | 2360 | 2366 | rBV | 35184 | 62402 | 1.37% | 0.143% |
| 67 | 16.986 | 2527 | 2532 | 2540 | rBV3 | 21966 | 55803 | 1.23% | 0.128% |
| 68 | 17.609 | 2633 | 2638 | 2648 | rBV3 | 16734 | 58147 | 1.28% | 0.134% |
| 69 | 18.162 | 2726 | 2732 | 2741 | rVB6 | 39219 | 103518 | 2.28% | 0.238% |

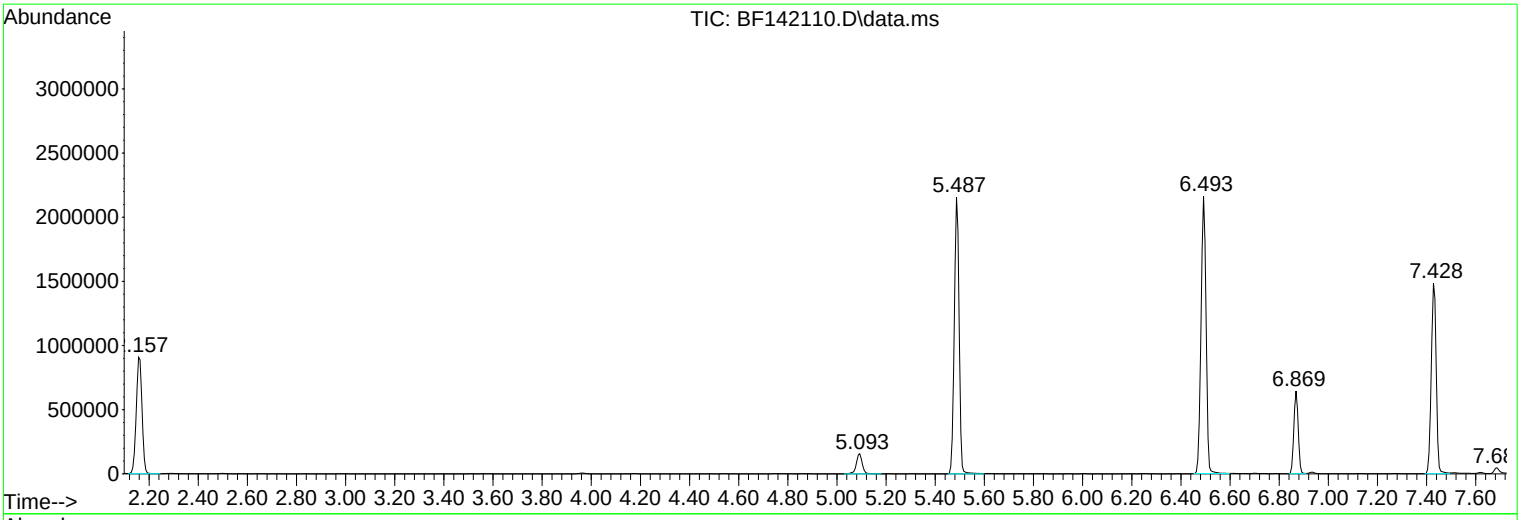
Sum of corrected areas: 43549189

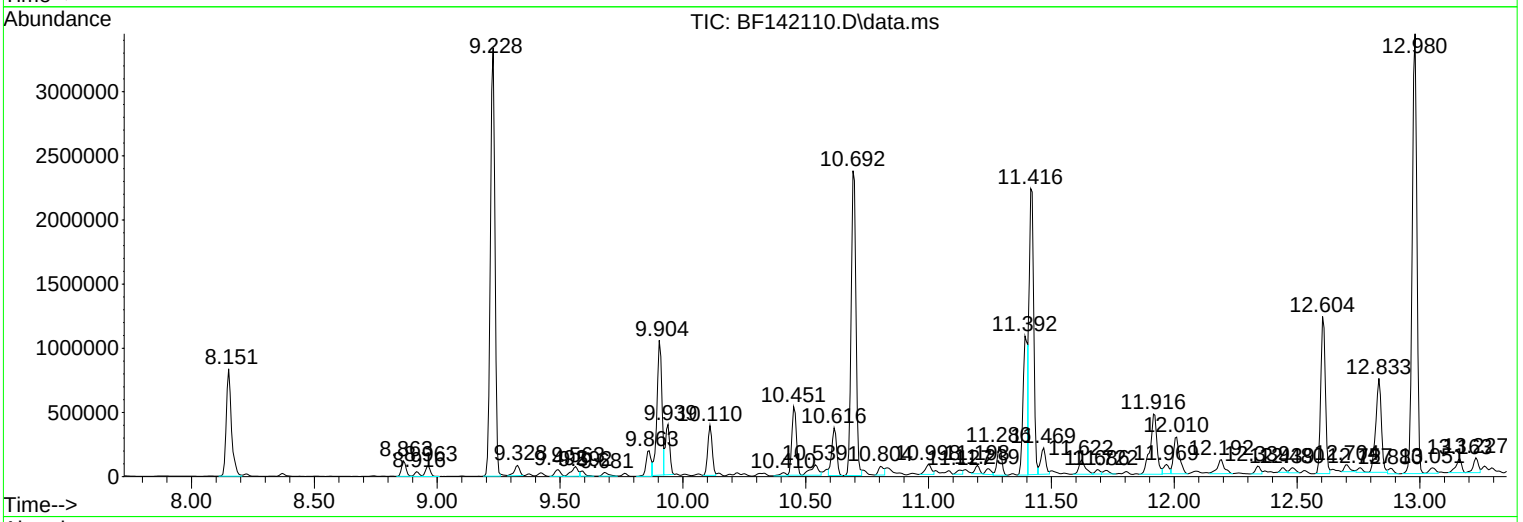
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

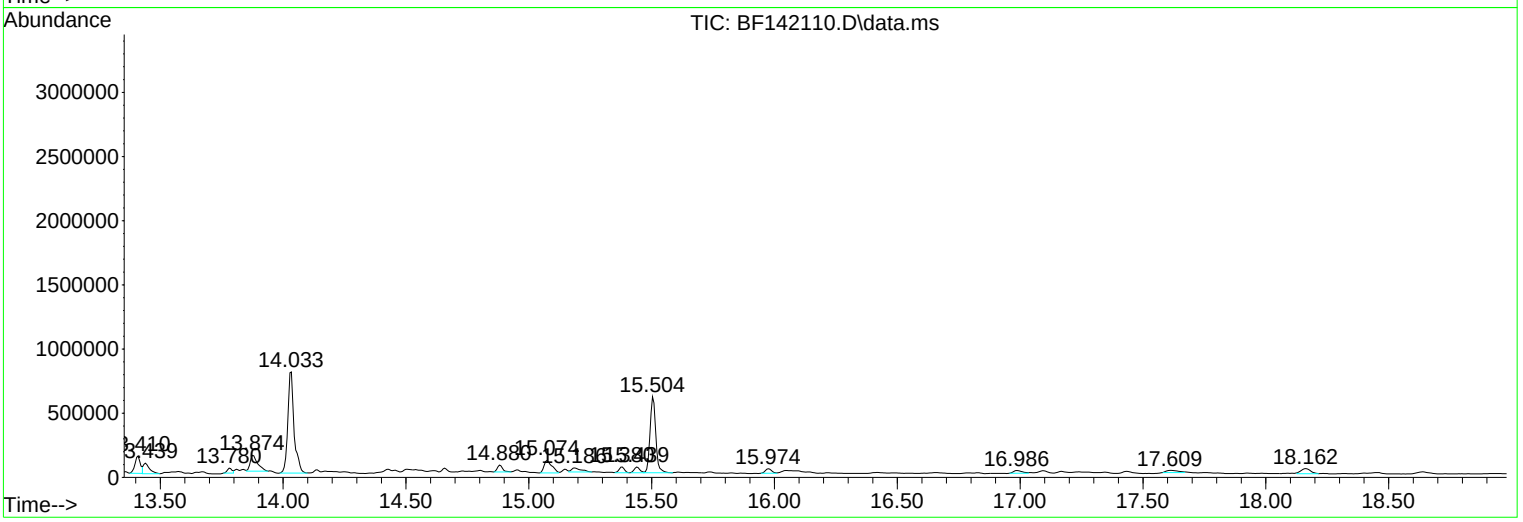
**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

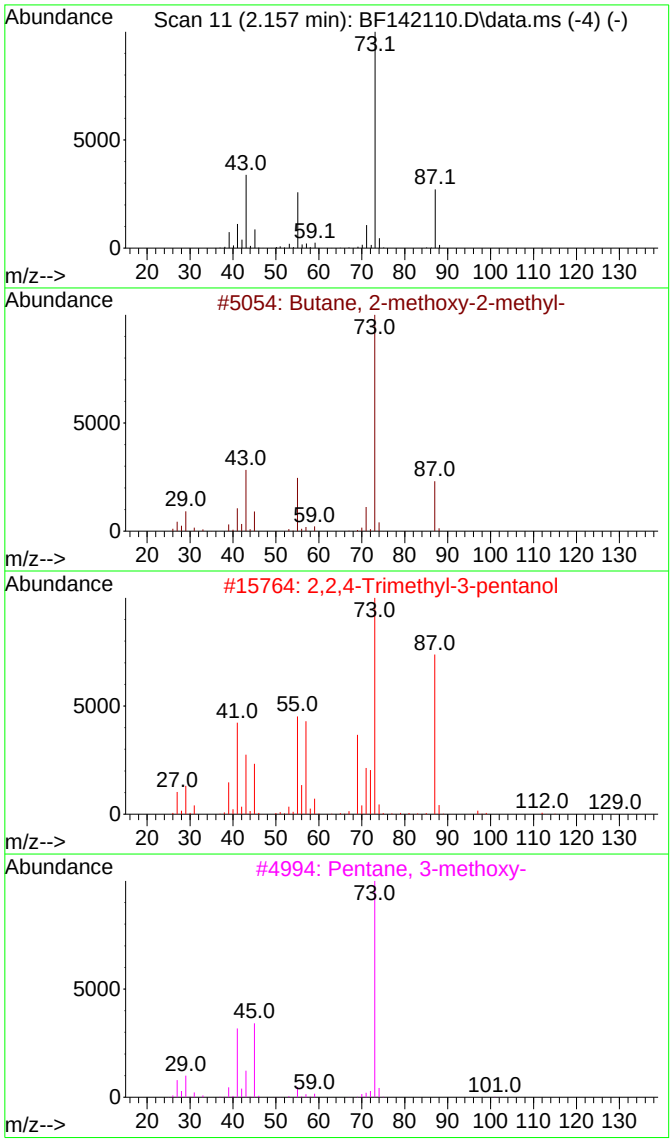
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

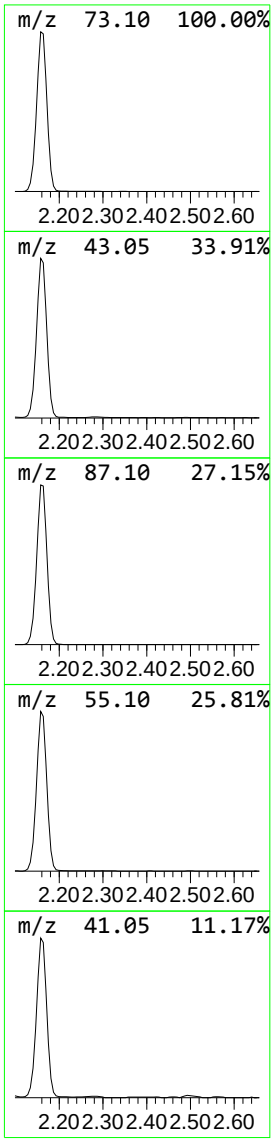
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.157 | 37.12 ng | 1478880 | 1,4-Dichlorobenzene-d4 | 6.869 |

| 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 | 39 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 17 |
| 5 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

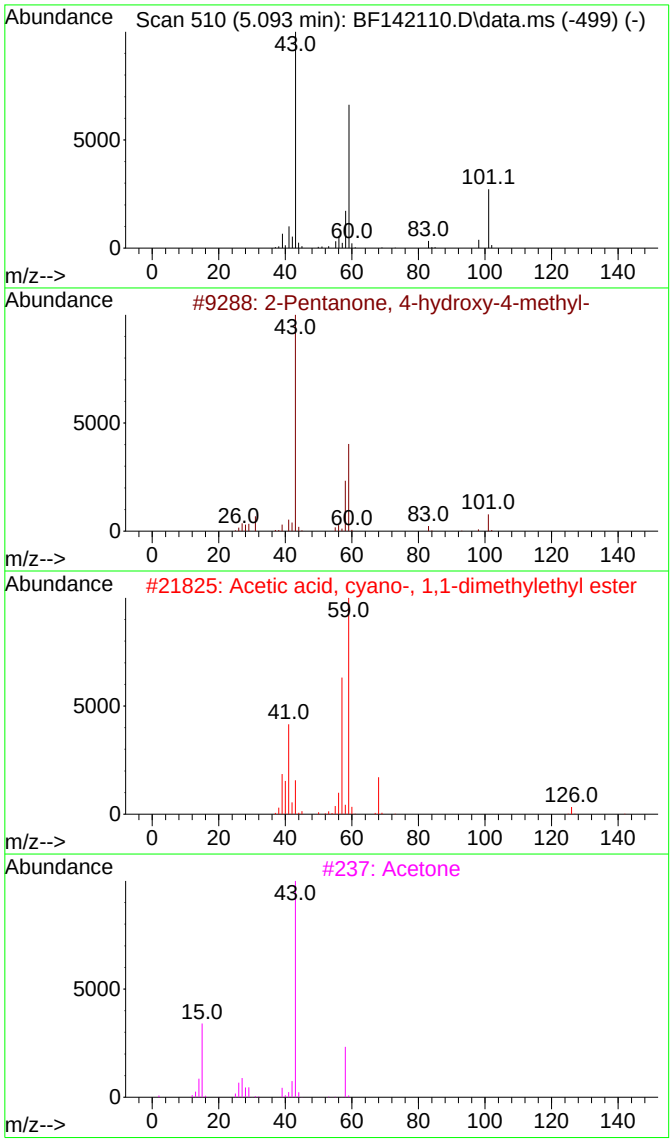
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

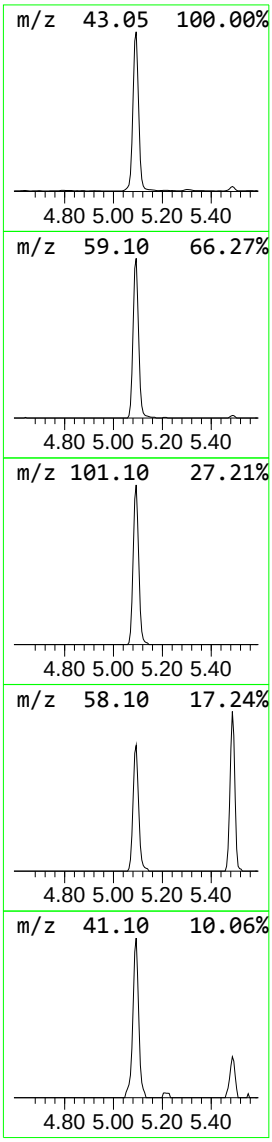
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.093 | 6.56 ng | 261178 | 1,4-Dichlorobenzene-d4 | 6.869 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 3 | Acetone | 58 | C3H6O | 000067-64-1 | 10 |
| 4 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

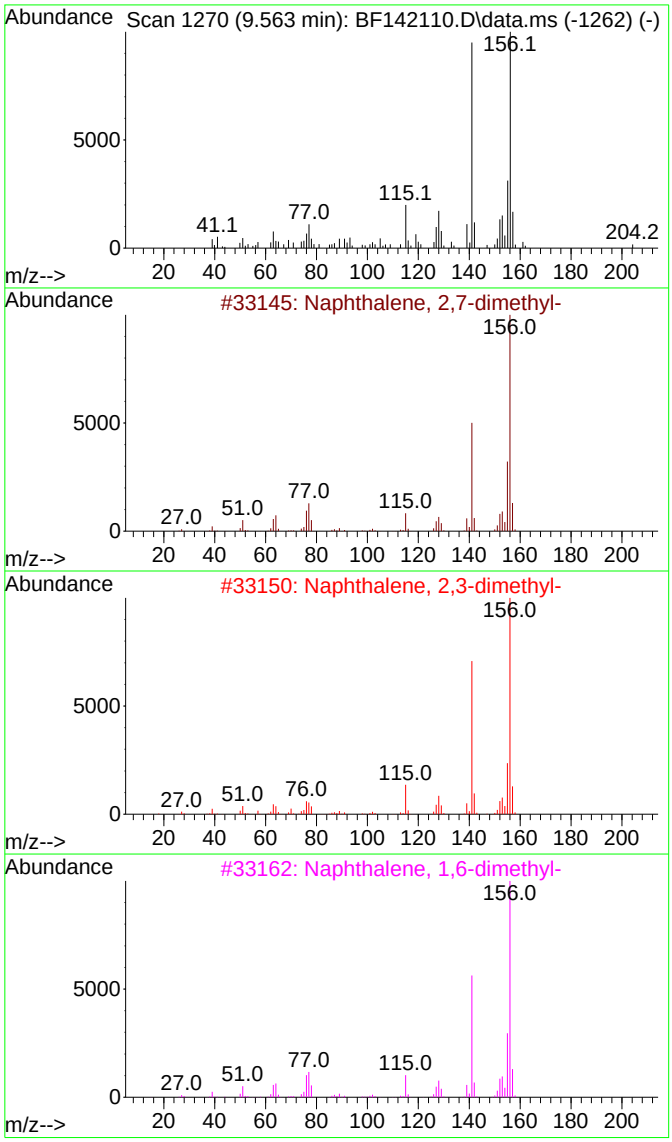
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

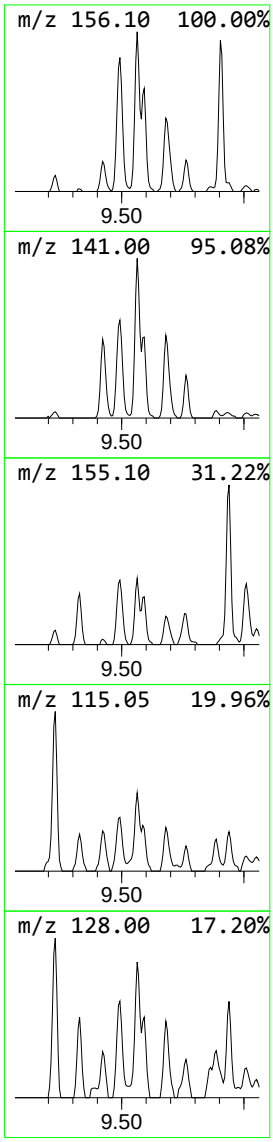
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.563 | 2.03 ng | 146143 | Acenaphthene-d10 | 9.904 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 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, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
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Acq On : 26 Mar 2025 21:37
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Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

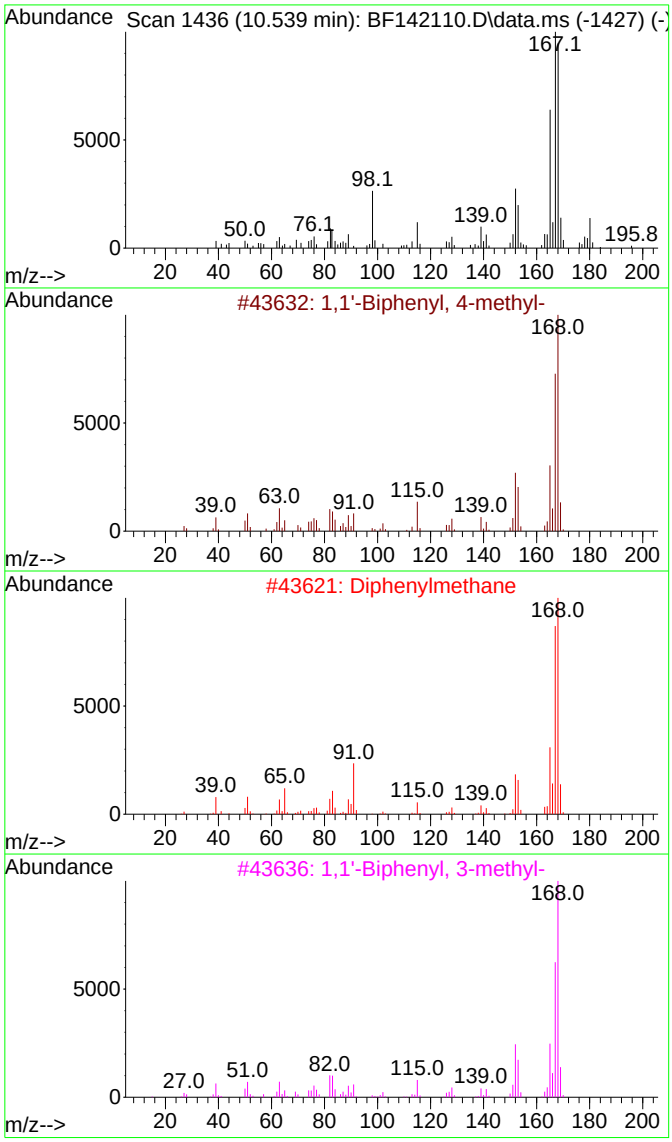
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

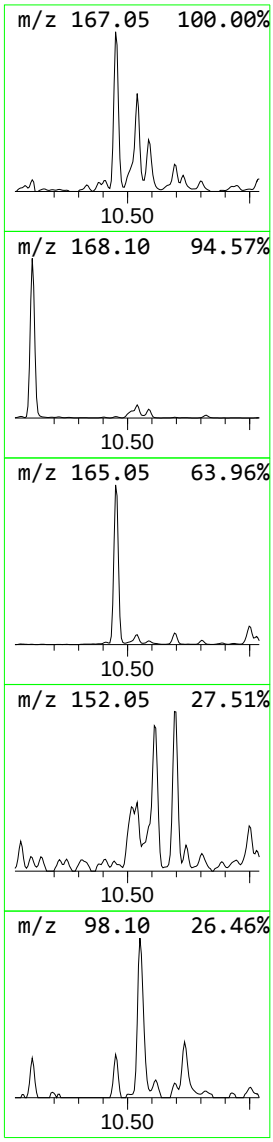
**********

Peak Number 4 1,1'-Biphenyl, 4-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.539 | 2.62 ng | 188723 | Acenaphthene-d10 | 9.904 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 94 |
| 2 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 93 |
| 3 | 1,1'-Biphenyl, 3-methyl- | 168 | C13H12 | 000643-93-6 | 91 |
| 4 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 83 |
| 5 | Fluorene, 2,4a-dihydro- | 168 | C13H12 | 059247-36-8 | 64 |



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Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

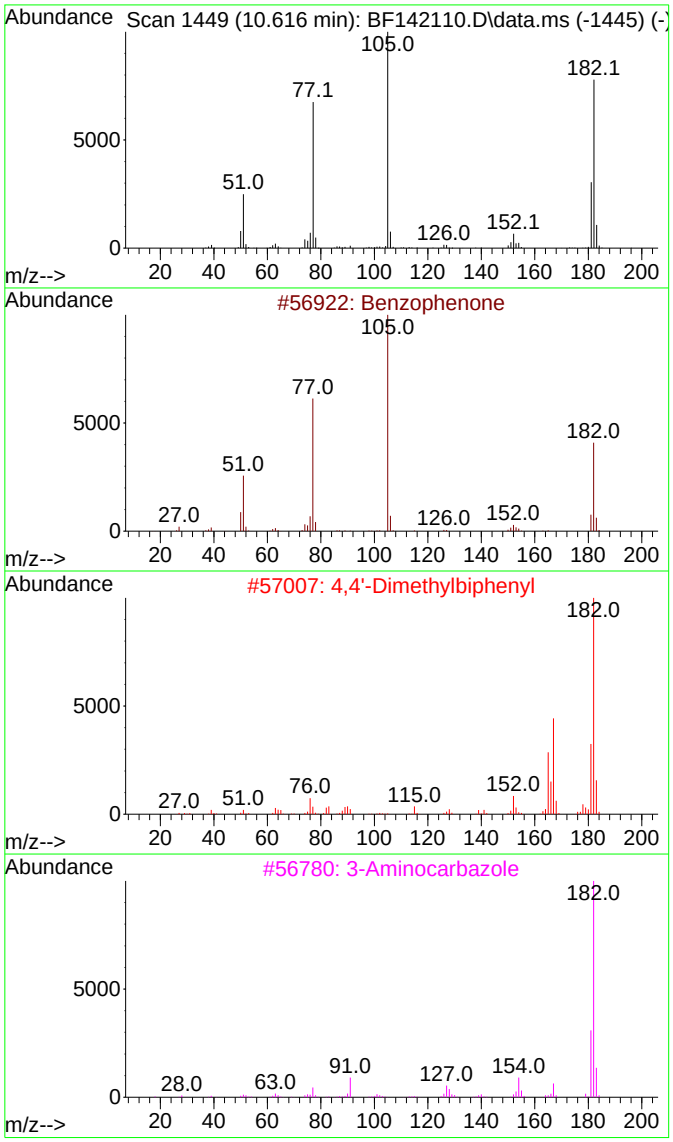
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

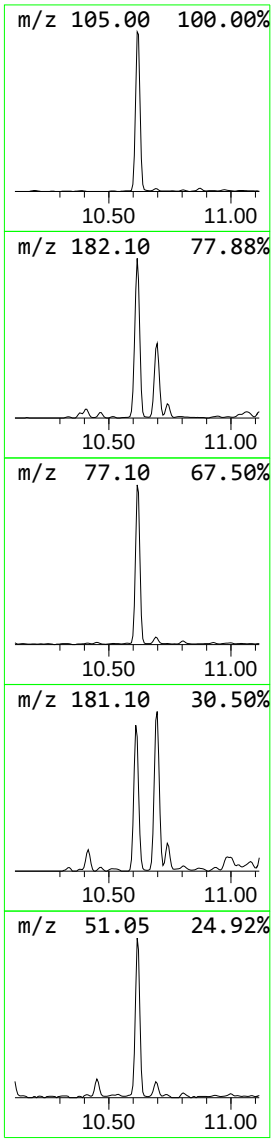
**********

Peak Number 5 Benzophenone Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.616 | 7.14 ng | 515000 | Acenaphthene-d10 | 9.904 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 95 |
| 2 | 4,4'-Dimethylbiphenyl | 182 | C14H14 | 000613-33-2 | 49 |
| 3 | 3-Aminocarbazole | 182 | C12H10N2 | 006377-12-4 | 43 |
| 4 | 2-Methyl-1H-perimidine | 182 | C12H10N2 | 005157-10-8 | 38 |
| 5 | 1,1'-Biphenyl, 3,4'-dimethyl- | 182 | C14H14 | 007383-90-6 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

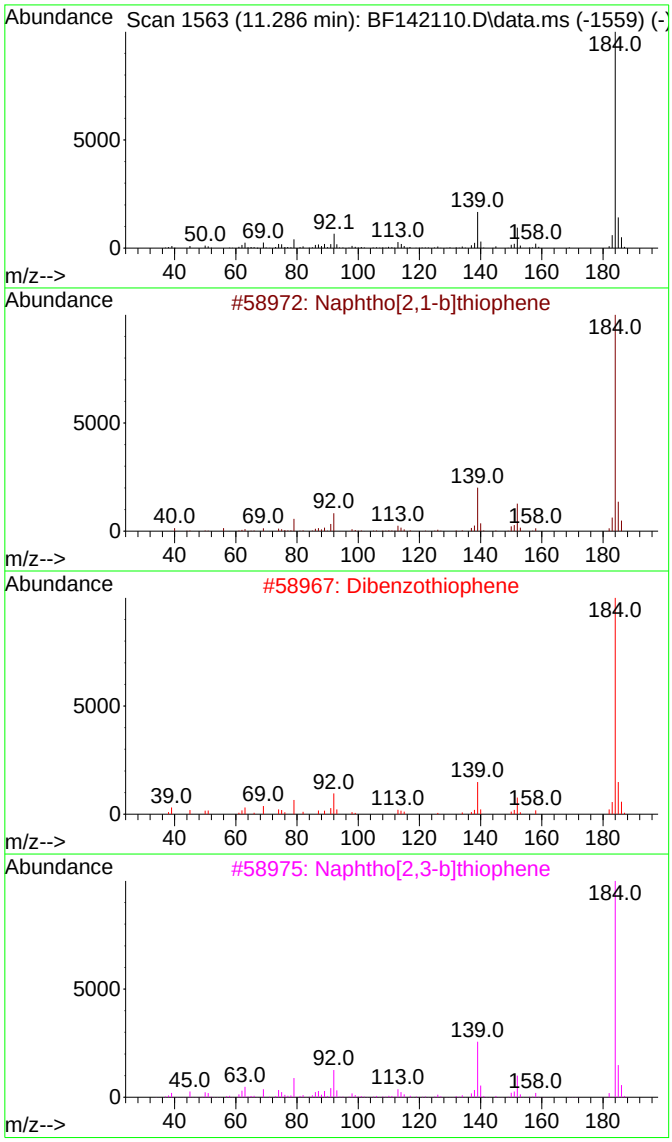
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

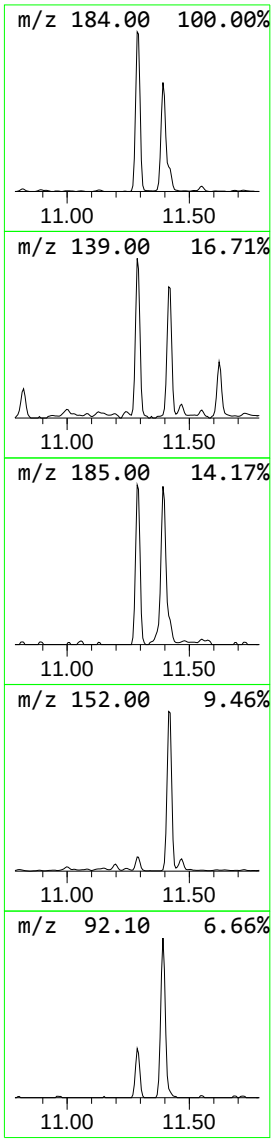
**********

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.286 | 3.92 ng | 300786 | Phenanthrene-d10 | 11.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 97 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 3 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 95 |
| 4 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 95 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

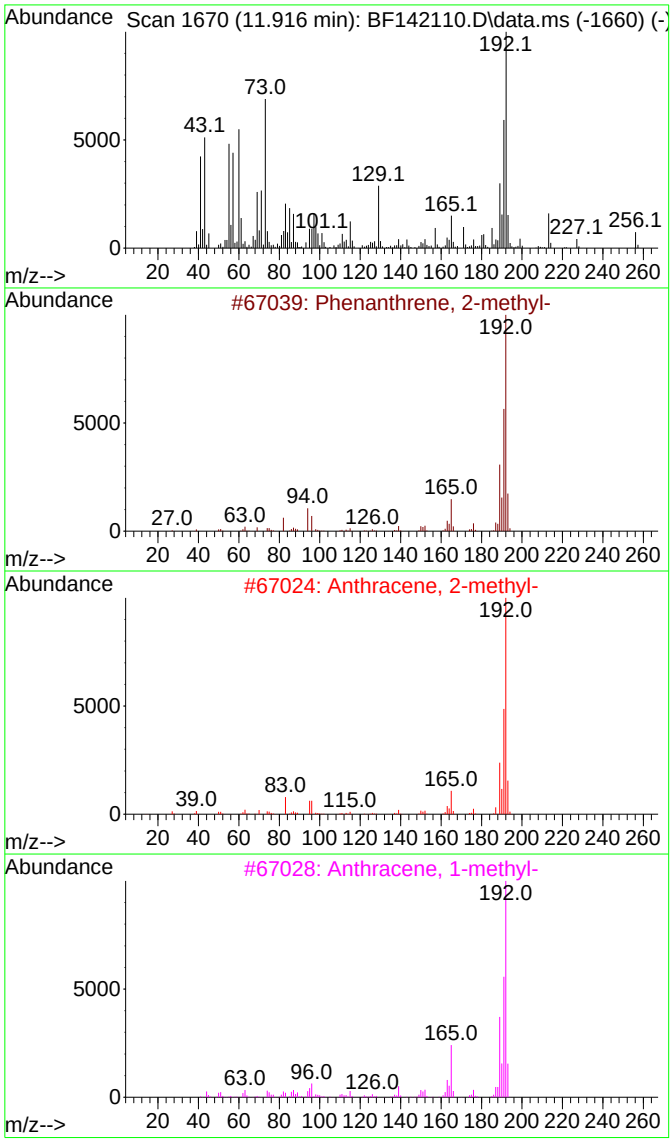
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

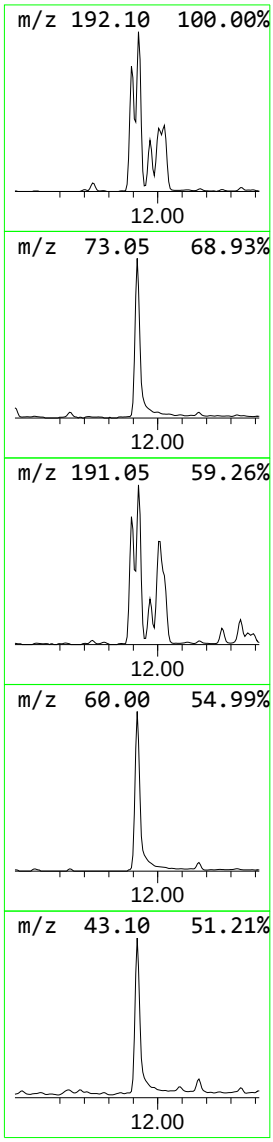
**********

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.916 | 11.86 ng | 909016 | Phenanthrene-d10 | 11.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93 |



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Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

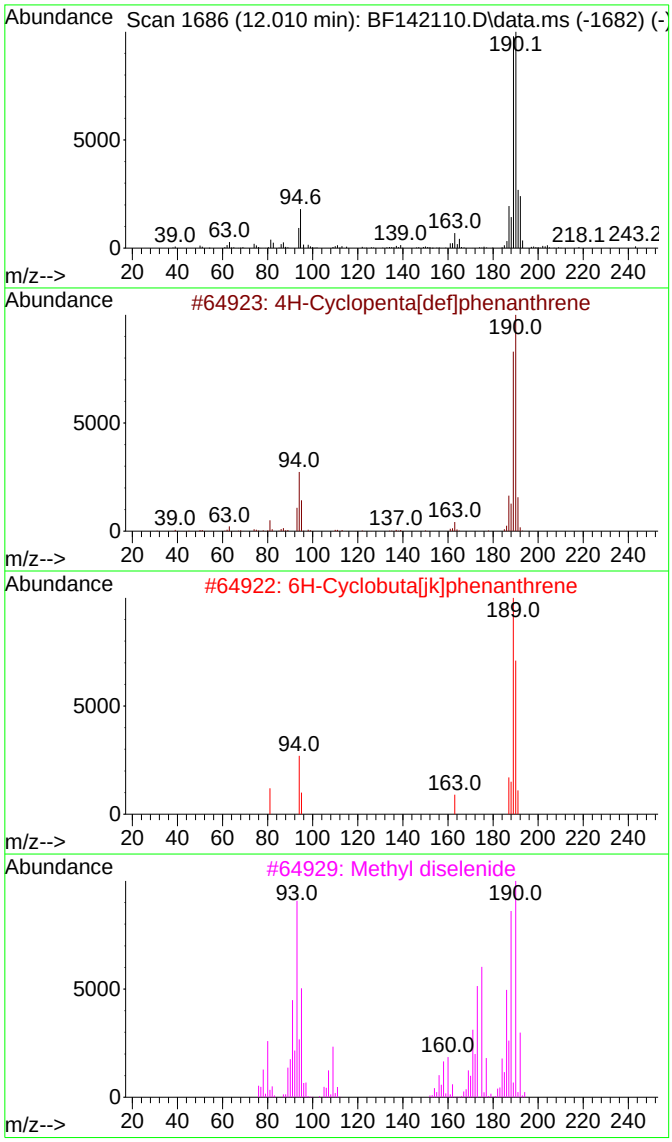
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

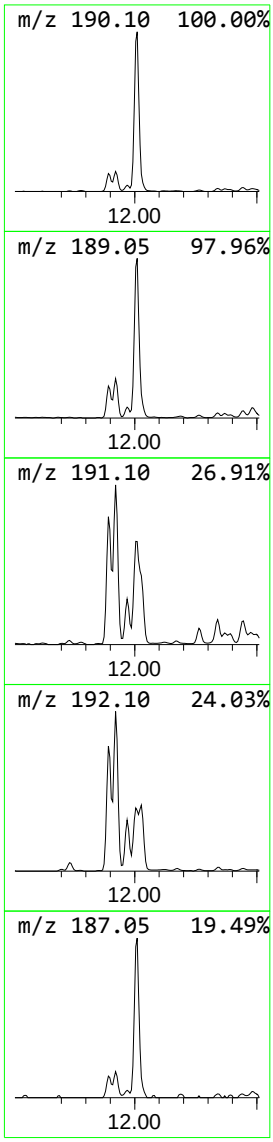
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.010 | 6.20 ng | 475183 | Phenanthrene-d10 | 11.392 |

| 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 | 64 |
| 3 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 55 |
| 4 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |
| 5 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |



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Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

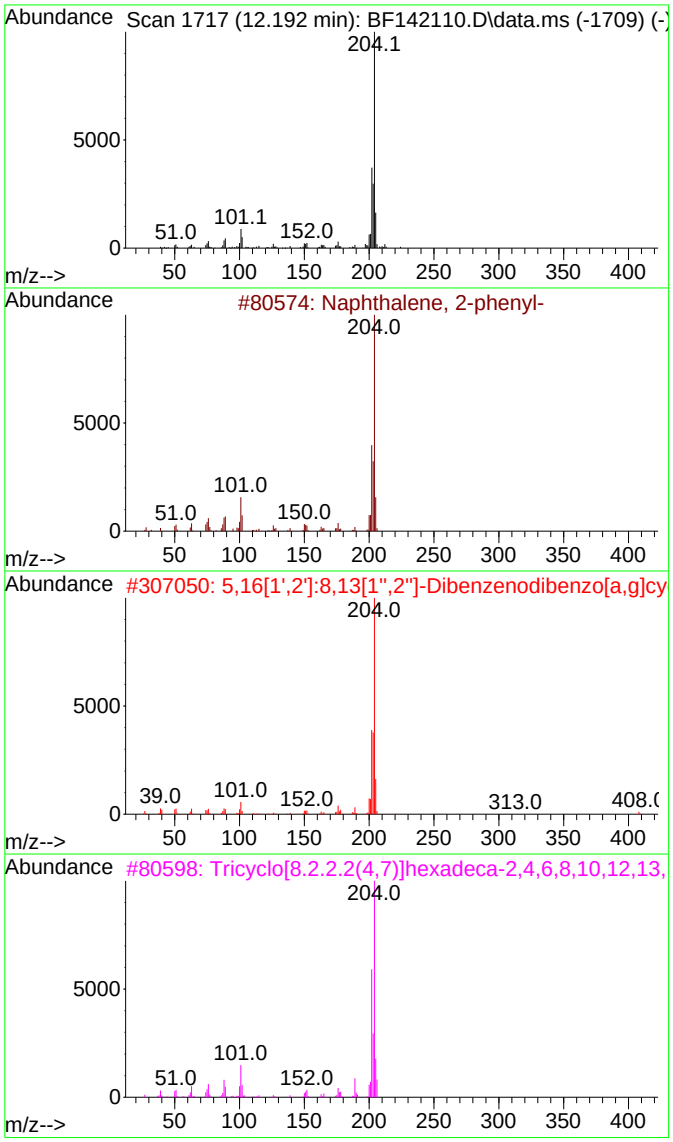
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

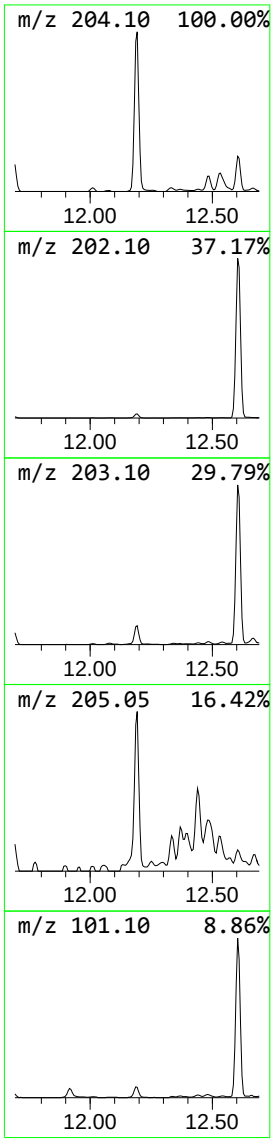
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.192 | 2.83 ng | 217108 | Phenanthrene-d10 | 11.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 95 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 91 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 74 |
| 4 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 70 |
| 5 | Acephenanthrylene, 4,5-dihydro- | 204 | C16H12 | 006232-48-0 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

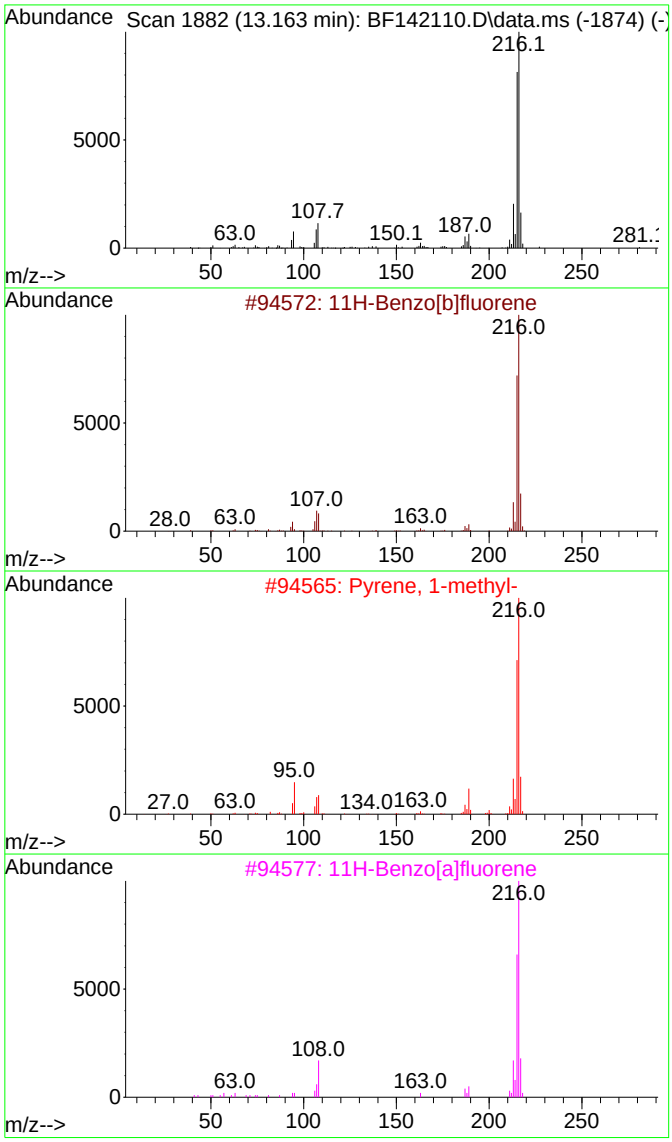
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

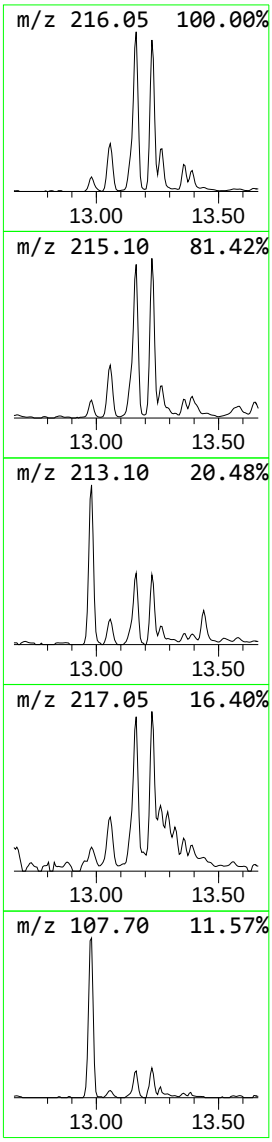
**********

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.163 | 2.50 ng | 174687 | Chrysene-d12 | 14.033 |

| 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 | 94 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

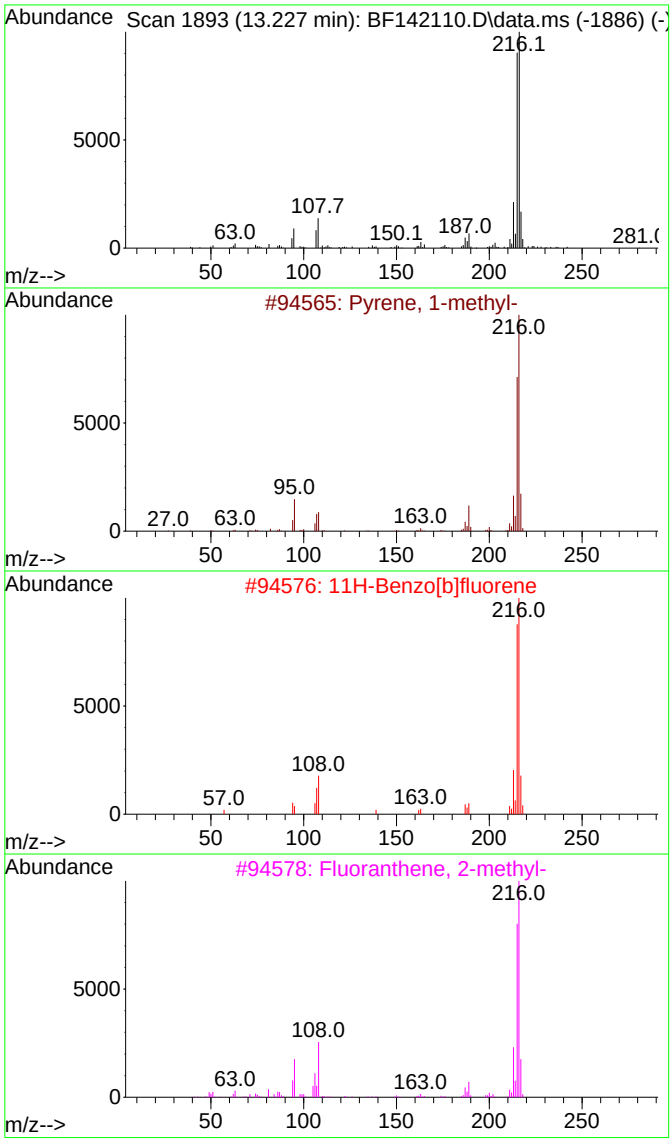
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

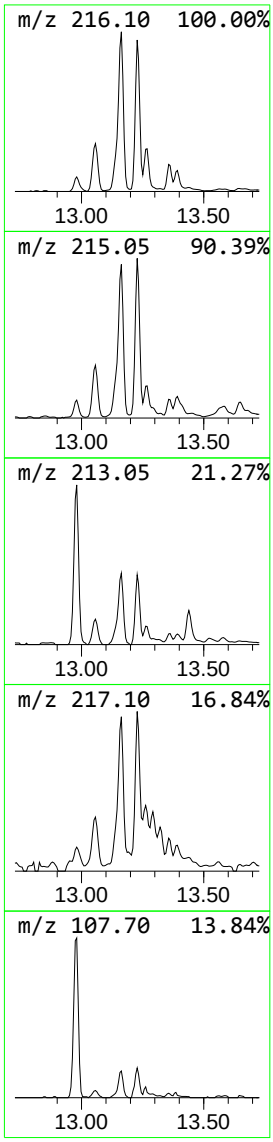
**********

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.227 | 2.34 ng | 163214 | Chrysene-d12 | 14.033 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 94 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

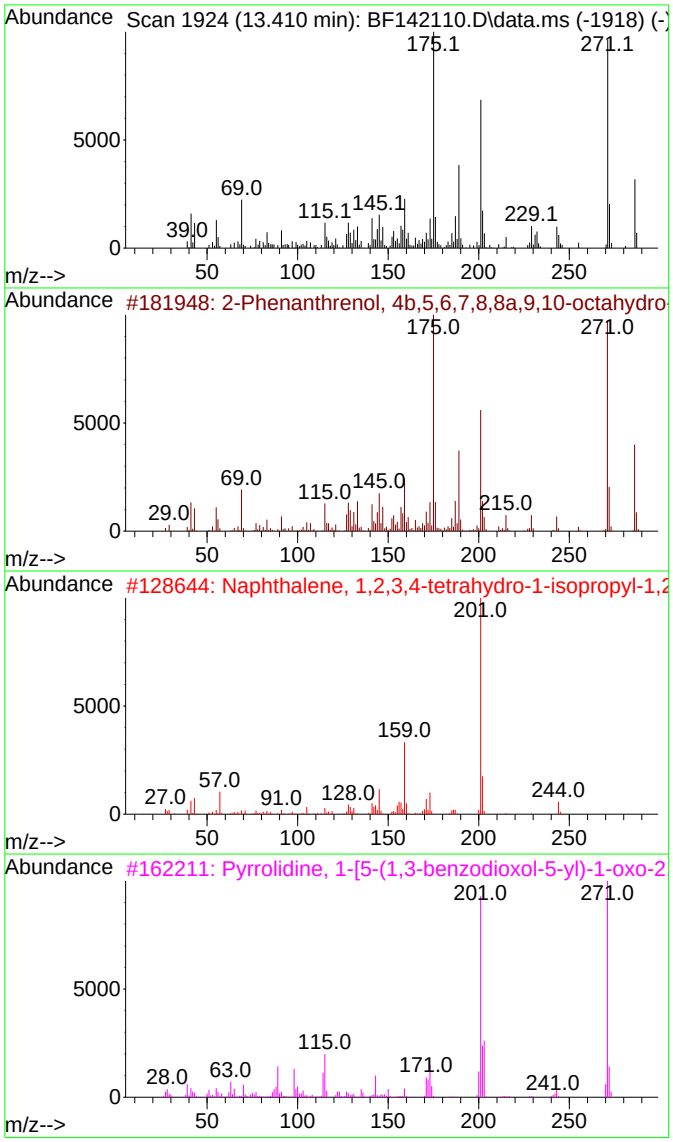
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

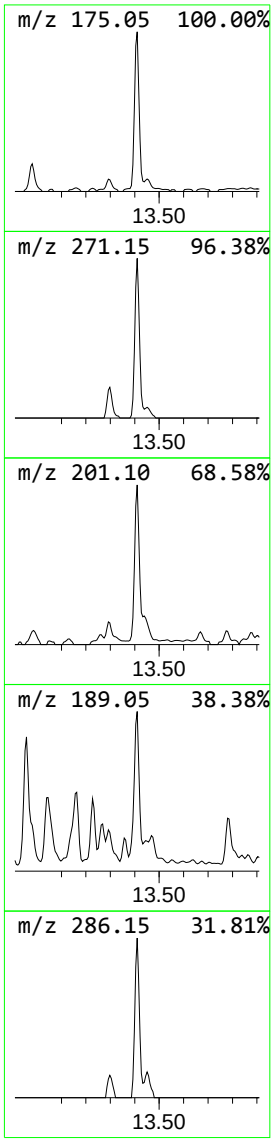
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.410 | 3.06 ng | 213902 | Chrysene-d12 | 14.033 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Phenanthrenol, 4b,5,6,7,8,8a,9... | 286 | C20H30O | 000511-15-9 | 99 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 244 | C18H28 | 029577-17-1 | 44 |
| 3 | Pyrrolidine, 1-[5-(1,3-benzodiox... | 271 | C16H17NO3 | 025924-78-1 | 38 |
| 4 | 3-Nitrobiphenyl-4-amine, TMS | 286 | C15H18N2O2Si | 1000514-50-3 | 27 |
| 5 | (-)-Morphinan-6-one, 4-methoxy- | 271 | C17H21NO2 | 1000129-09-1 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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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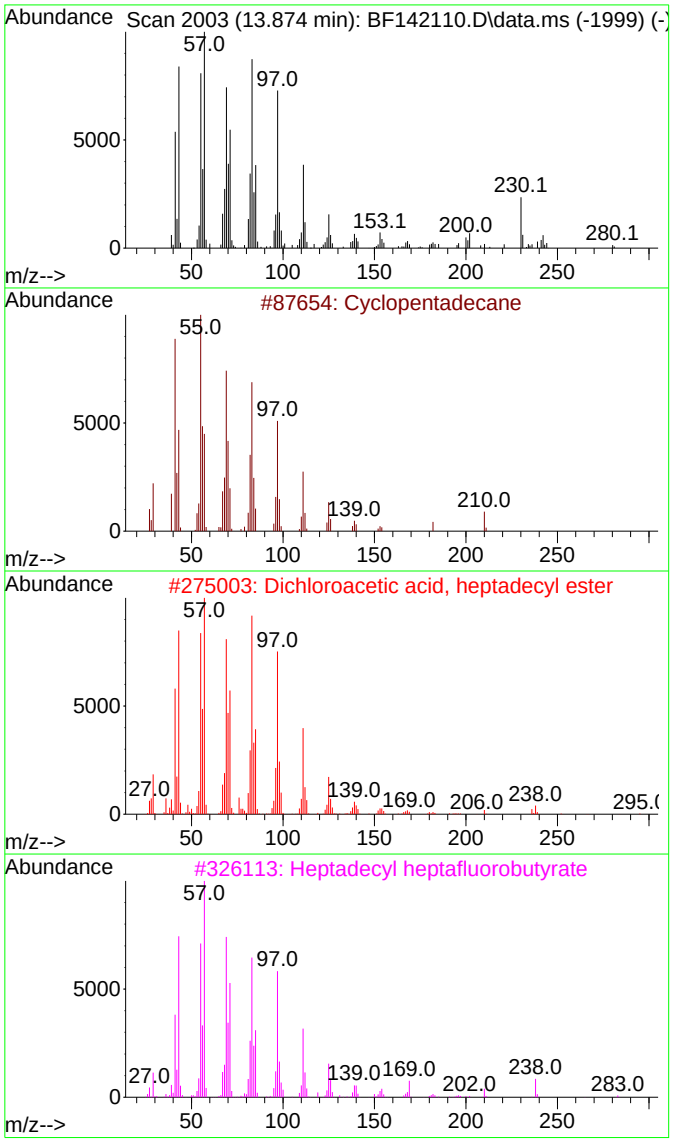
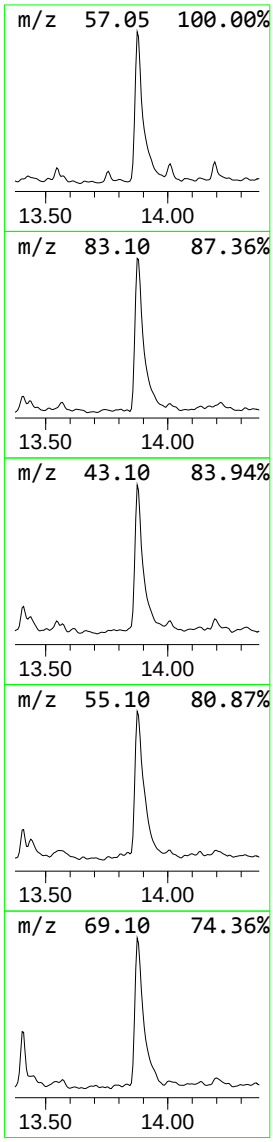
Peak Number 13 Cyclopentadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.874 | 3.73 ng | 260390 | Chrysene-d12 | 14.033 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 98 |
| 2 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 95 |
| 3 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 94 |
| 4 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 93 |
| 5 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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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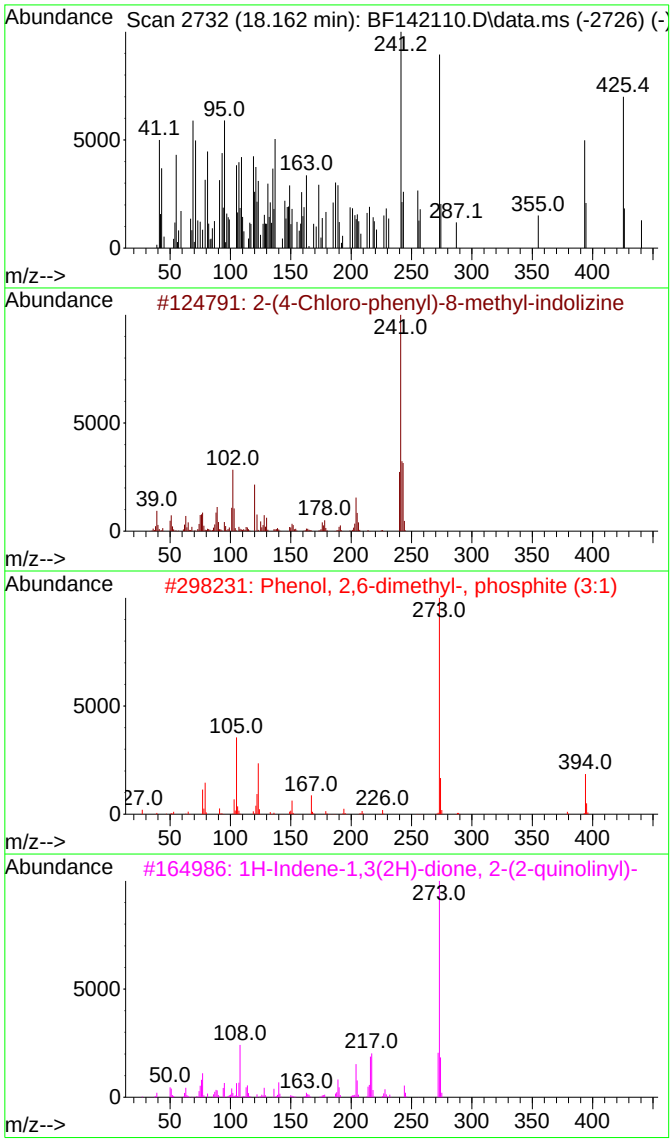
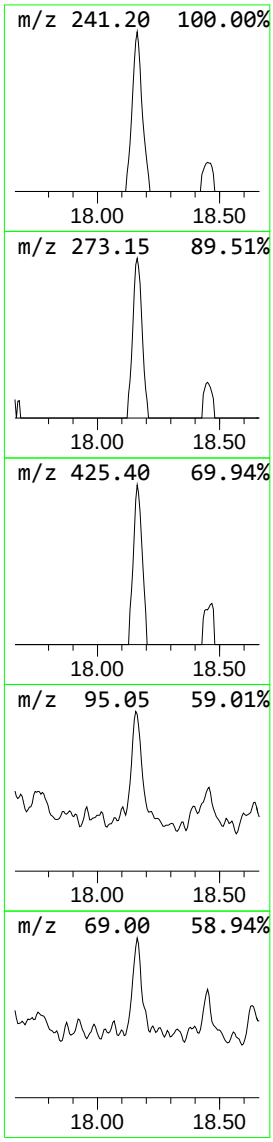
Peak Number 14 unknown18.162 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.162 | 2.17 ng | 103518 | Perylene-d12 | 15.504 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-(4-Chloro-phenyl)-8-methyl-ind... | 241 | C15H12ClN | 1000337-21-4 | 25 |
| 2 | Phenol, 2,6-dimethyl-, phosphite... | 394 | C24H27O3P | 052830-49-6 | 14 |
| 3 | 1H-Indene-1,3(2H)-dione, 2-(2-qu... | 273 | C18H11NO2 | 000083-08-9 | 11 |
| 4 | 6-Chloro-4-nitro-2-phenyl-1-benz... | 273 | C14H8ClNO3 | 1000460-00-2 | 11 |
| 5 | Benzenamine, 2-methoxy-5-oxazolo... | 241 | C13H11N3O2 | 1000337-69-9 | 11 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-206

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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... | 2.157 | 37.1 | ng | 1478880 | 1 | 6.869 | 796848 | 20.0 |
| 2-Pentanone, 4-... | 5.093 | 6.6 | ng | 261178 | 1 | 6.869 | 796848 | 20.0 |
| Naphthalene, 2,... | 9.563 | 2.0 | ng | 146143 | 3 | 9.904 | 1441980 | 20.0 |
| 1,1'-Biphenyl, ... | 10.539 | 2.6 | ng | 188723 | 3 | 9.904 | 1441980 | 20.0 |
| Benzophenone | 10.616 | 7.1 | ng | 515000 | 3 | 9.904 | 1441980 | 20.0 |
| Naphtho[2,1-b]t... | 11.286 | 3.9 | ng | 300786 | 4 | 11.392 | 1533340 | 20.0 |
| Phenanthrene, 2... | 11.916 | 11.9 | ng | 909016 | 4 | 11.392 | 1533340 | 20.0 |
| 4H-Cyclopenta[d... | 12.010 | 6.2 | ng | 475183 | 4 | 11.392 | 1533340 | 20.0 |
| Naphthalene, 2-... | 12.192 | 2.8 | ng | 217108 | 4 | 11.392 | 1533340 | 20.0 |
| 11H-Benzo[b]flu... | 13.163 | 2.5 | ng | 174687 | 5 | 14.033 | 1395770 | 20.0 |
| Pyrene, 1-methyl- | 13.227 | 2.3 | ng | 163214 | 5 | 14.033 | 1395770 | 20.0 |
| 2-Phenanthrenol... | 13.410 | 3.1 | ng | 213902 | 5 | 14.033 | 1395770 | 20.0 |
| Cyclopentadecane | 13.874 | 3.7 | ng | 260390 | 5 | 14.033 | 1395770 | 20.0 |
| unknown18.162 | 18.162 | 2.2 | ng | 103518 | 6 | 15.504 | 952669 | 20.0 |