LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PL-HRH-COMP-01

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142507.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.110 | 488 | 496 | 507 | rVB | 131772 | 188016 | 11.48% | 1.136% |
| 2 | 5.510 | 558 | 564 | 569 | rBV | 1105568 | 1427938 | 87.16% | 8.628% |
| 3 | 6.516 | 729 | 735 | 747 | rBV | 1144662 | 1532986 | 93.58% | 9.263% |
| 4 | 6.898 | 795 | 800 | 805 | rBV | 503379 | 628737 | 38.38% | 3.799% |
| 5 | 7.010 | 814 | 819 | 826 | rVB | 42835 | 54353 | 3.32% | 0.328% |
| 6 | 7.457 | 888 | 895 | 900 | rBV | 750545 | 989665 | 60.41% | 5.980% |
| 7 | 7.710 | 934 | 938 | 945 | rVB | 20515 | 26799 | 1.64% | 0.162% |
| 8 | 8.181 | 1012 | 1018 | 1034 | rBV | 647577 | 830073 | 50.67% | 5.016% |
| 9 | 9.251 | 1195 | 1200 | 1205 | rBV | 1302701 | 1638243 | 100.00% | 9.899% |
| 10 | 9.439 | 1228 | 1232 | 1236 | rVB | 28237 | 33913 | 2.07% | 0.205% |
| 11 | 9.510 | 1236 | 1244 | 1250 | rBV4 | 51299 | 87089 | 5.32% | 0.526% |
| 12 | 9.569 | 1250 | 1254 | 1263 | rVB2 | 246164 | 464375 | 28.35% | 2.806% |
| 13 | 9.645 | 1263 | 1267 | 1270 | rBV2 | 18196 | 24807 | 1.51% | 0.150% |
| 14 | 9.692 | 1270 | 1275 | 1280 | rVB | 93607 | 119696 | 7.31% | 0.723% |
| 15 | 9.757 | 1280 | 1286 | 1289 | rBV3 | 17734 | 25408 | 1.55% | 0.154% |
| 16 | 9.833 | 1294 | 1299 | 1303 | rVV5 | 15156 | 30357 | 1.85% | 0.183% |
| 17 | 9.875 | 1303 | 1306 | 1309 | rVV2 | 23473 | 29345 | 1.79% | 0.177% |
| 18 | 9.933 | 1309 | 1316 | 1328 | rVB | 735649 | 975201 | 59.53% | 5.892% |
| 19 | 10.057 | 1333 | 1337 | 1342 | rVB | 45957 | 60992 | 3.72% | 0.369% |
| 20 | 10.181 | 1353 | 1358 | 1361 | rBV3 | 21725 | 29410 | 1.80% | 0.178% |
| 21 | 10.210 | 1361 | 1363 | 1368 | rVB2 | 19493 | 20531 | 1.25% | 0.124% |
| 22 | 10.610 | 1423 | 1431 | 1434 | rVV | 291461 | 378267 | 23.09% | 2.286% |
| 23 | 10.645 | 1434 | 1437 | 1442 | rVV | 163045 | 199069 | 12.15% | 1.203% |
| 24 | 10.722 | 1445 | 1450 | 1458 | rVV | 805906 | 1016205 | 62.03% | 6.140% |
| 25 | 10.845 | 1467 | 1471 | 1480 | rVB7 | 9408 | 22011 | 1.34% | 0.133% |
| 26 | 11.422 | 1564 | 1569 | 1576 | rBV | 674809 | 894596 | 54.61% | 5.405% |
| 27 | 11.869 | 1641 | 1645 | 1648 | rBV4 | 13883 | 21306 | 1.30% | 0.129% |
| 28 | 11.910 | 1648 | 1652 | 1654 | rVV | 32251 | 47043 | 2.87% | 0.284% |
| 29 | 11.945 | 1654 | 1658 | 1670 | rVB | 222345 | 339588 | 20.73% | 2.052% |
| 30 | 12.522 | 1751 | 1756 | 1759 | rVB2 | 23214 | 28845 | 1.76% | 0.174% |
| 31 | 12.633 | 1771 | 1775 | 1778 | rBV | 48127 | 69030 | 4.21% | 0.417% |
| 32 | 12.669 | 1778 | 1781 | 1787 | rVV3 | 36247 | 55412 | 3.38% | 0.335% |
| 33 | 12.727 | 1787 | 1791 | 1804 | rVB2 | 28023 | 55016 | 3.36% | 0.332% |
| 34 | 12.863 | 1809 | 1814 | 1819 | rBV | 33788 | 46922 | 2.86% | 0.284% |
| 35 | 13.004 | 1833 | 1838 | 1845 | rVB | 899455 | 1194485 | 72.91% | 7.217% |
| 36 | 13.327 | 1889 | 1893 | 1900 | rVB | 36018 | 48036 | 2.93% | 0.290% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.439 | 1907 | 1912 | 1916 | rBV2 | 356074 | 544198 | 33.22% | 3.288% |
| 38 | 13.574 | 1930 | 1935 | 1942 | rBV3 | 26366 | 45520 | 2.78% | 0.275% |
| 39 | 13.792 | 1967 | 1972 | 1983 | rBV8 | 44017 | 96804 | 5.91% | 0.585% |
| 40 | 13.910 | 1988 | 1992 | 2003 | rVV4 | 59929 | 141469 | 8.64% | 0.855% |
| 41 | 13.992 | 2003 | 2006 | 2010 | rVV2 | 16659 | 23711 | 1.45% | 0.143% |
| 42 | 14.063 | 2010 | 2018 | 2031 | rVB | 438838 | 603580 | 36.84% | 3.647% |
| 43 | 14.210 | 2038 | 2043 | 2053 | rVB3 | 45158 | 83768 | 5.11% | 0.506% |
| 44 | 14.463 | 2081 | 2086 | 2088 | rBV2 | 27170 | 39592 | 2.42% | 0.239% |
| 45 | 14.492 | 2088 | 2091 | 2095 | rVV | 73686 | 101191 | 6.18% | 0.611% |
| 46 | 14.527 | 2095 | 2097 | 2104 | rVB2 | 17319 | 23637 | 1.44% | 0.143% |
| 47 | 14.692 | 2121 | 2125 | 2133 | rVB | 26009 | 35890 | 2.19% | 0.217% |
| 48 | 14.827 | 2143 | 2148 | 2157 | rBV4 | 37786 | 81631 | 4.98% | 0.493% |
| 49 | 14.992 | 2171 | 2176 | 2183 | rBV | 36527 | 52762 | 3.22% | 0.319% |
| 50 | 15.116 | 2192 | 2197 | 2205 | rBV | 15774 | 38754 | 2.37% | 0.234% |
| 51 | 15.192 | 2206 | 2210 | 2212 | rVV | 22025 | 32597 | 1.99% | 0.197% |
| 52 | 15.221 | 2212 | 2215 | 2235 | rVB6 | 24499 | 66212 | 4.04% | 0.400% |
| 53 | 15.486 | 2256 | 2260 | 2265 | rVB | 11058 | 18370 | 1.12% | 0.111% |
| 54 | 15.557 | 2265 | 2272 | 2285 | rBV | 372142 | 607483 | 37.08% | 3.671% |
| 55 | 16.033 | 2348 | 2353 | 2359 | rBV | 28558 | 49222 | 3.00% | 0.297% |
| 56 | 17.045 | 2520 | 2525 | 2539 | rBV8 | 23703 | 63146 | 3.85% | 0.382% |
| 57 | 17.168 | 2542 | 2546 | 2553 | rVB | 15605 | 32656 | 1.99% | 0.197% |
| 58 | 17.674 | 2626 | 2632 | 2643 | rBV10 | 19814 | 55634 | 3.40% | 0.336% |
| 59 | 17.898 | 2665 | 2670 | 2676 | rBV4 | 13407 | 32671 | 1.99% | 0.197% |
| 60 | 17.962 | 2676 | 2681 | 2692 | rVB6 | 17847 | 45860 | 2.80% | 0.277% |

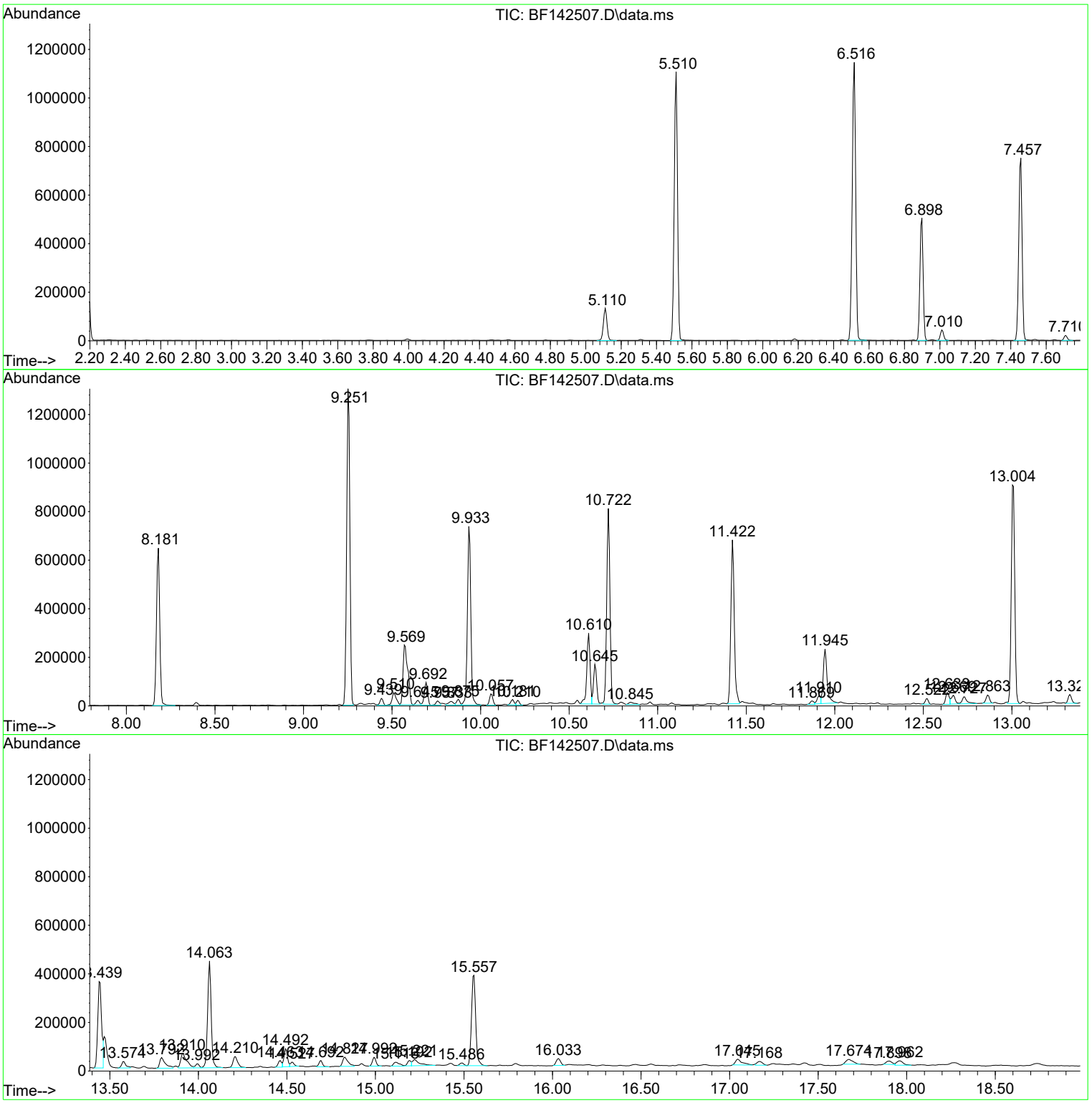
Sum of corrected areas: 16550123

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

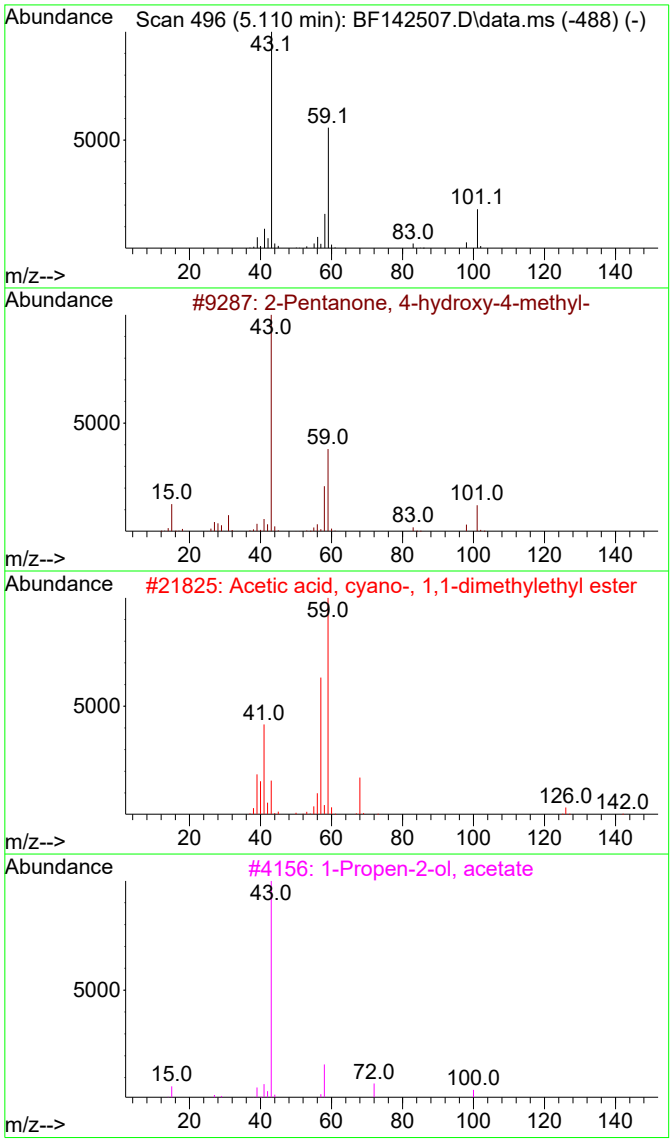
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

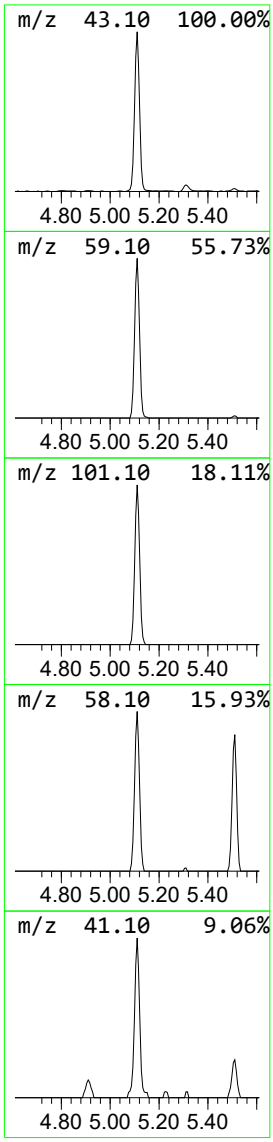
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.110 | 5.98 ng | 188016 | 1,4-Dichlorobenzene-d4 | 6.898 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 3 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 12 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

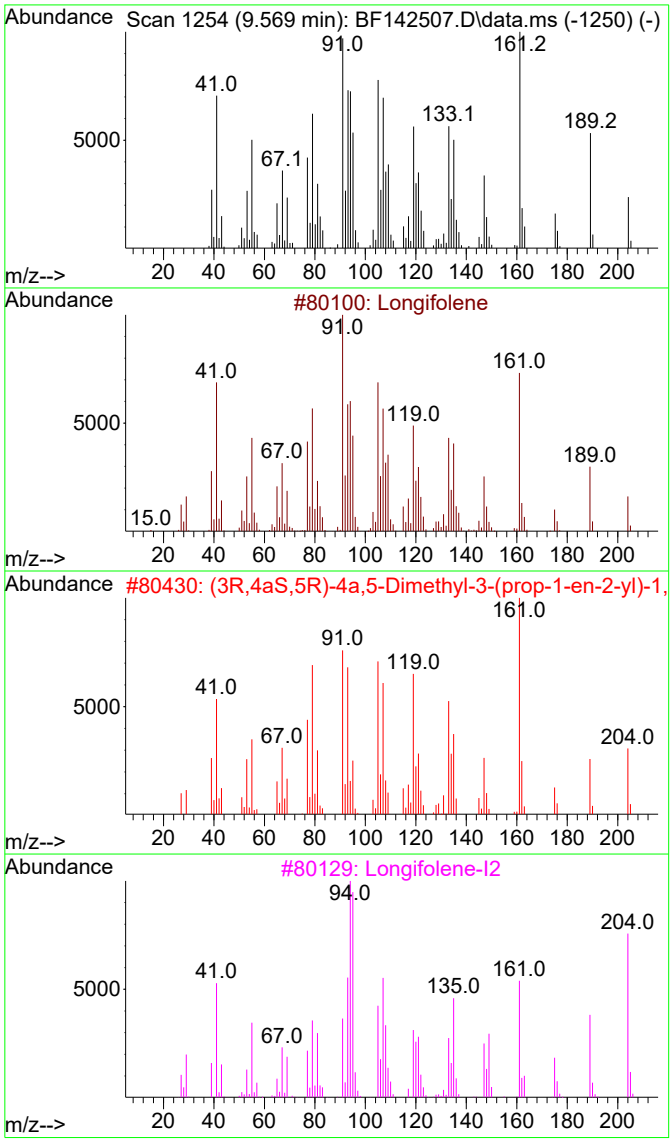
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

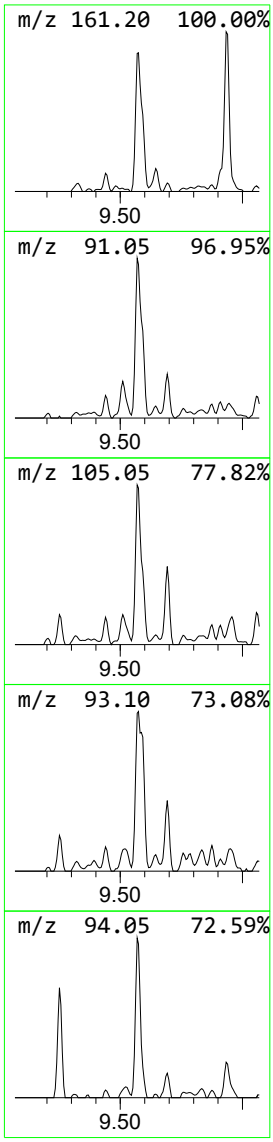
**********

Peak Number 2 Longifolene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.569 | 9.52 ng | 464375 | Acenaphthene-d10 | 9.933 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Longifolene | 204 | C15H24 | 000475-20-7 | 99 |
| 2 | (3R,4aS,5R)-4a,5-Dimethyl-3-(pro... | 204 | C15H24 | 024741-64-8 | 96 |
| 3 | Longifolene-I2 | 204 | C15H24 | 1000162-76-7 | 93 |
| 4 | Naphthalene, 1,2,3,5,6,7,8,8a-oc... | 204 | C15H24 | 004630-07-3 | 91 |
| 5 | Aromandendrene | 204 | C15H24 | 000489-39-4 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

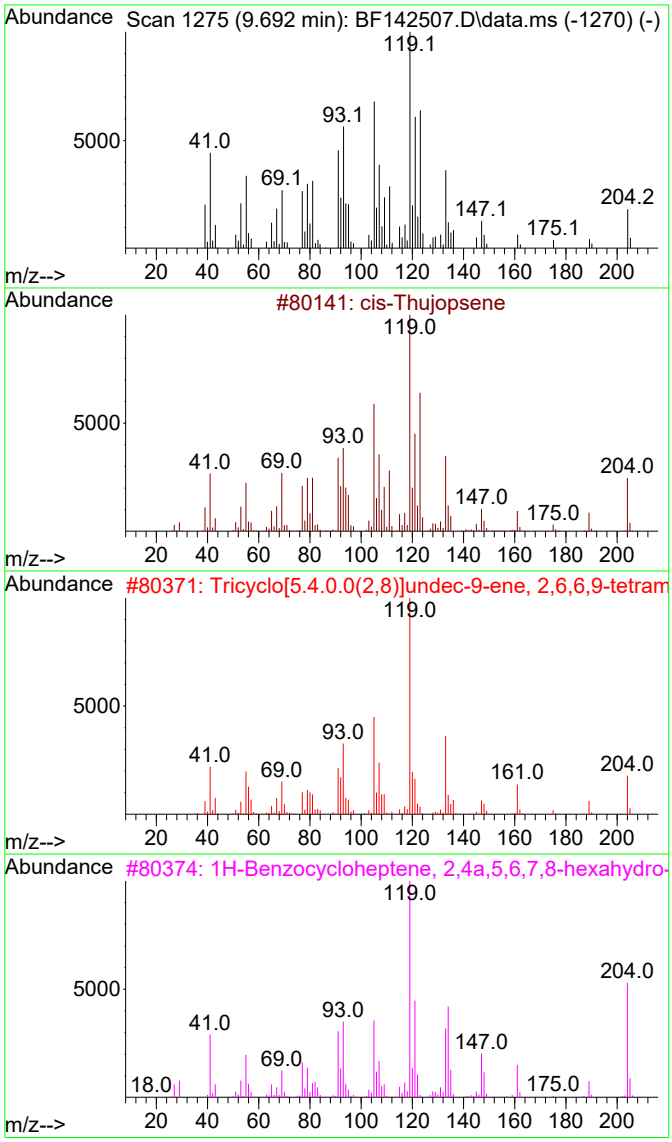
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

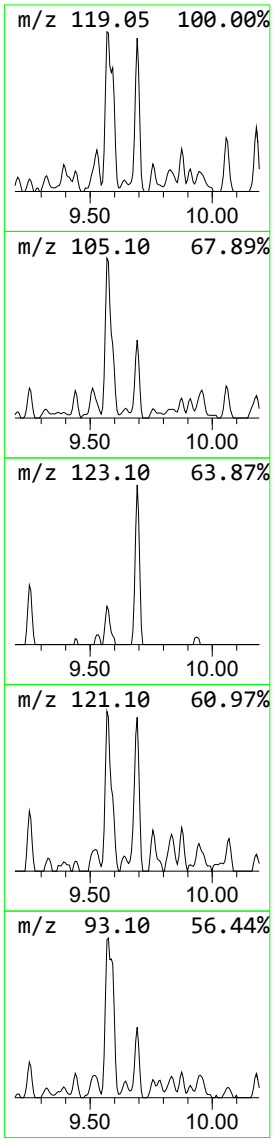
**********

Peak Number 3 cis-Thujopsene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.692 | 2.45 ng | 119696 | Acenaphthene-d10 | 9.933 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-Thujopsene | 204 | C15H24 | 000470-40-6 | 99 |
| 2 | Tricyclo[5.4.0.0(2,8)]undec-9-en... | 204 | C15H24 | 005989-08-2 | 78 |
| 3 | 1H-Benzocycloheptene, 2,4a,5,6,7... | 204 | C15H24 | 001461-03-6 | 50 |
| 4 | .alpha.-Cuprenene | 204 | C15H24 | 029621-78-1 | 46 |
| 5 | (1R,4R,5S)-1,8-Dimethyl-4-(prop-... | 204 | C15H24 | 729602-94-2 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

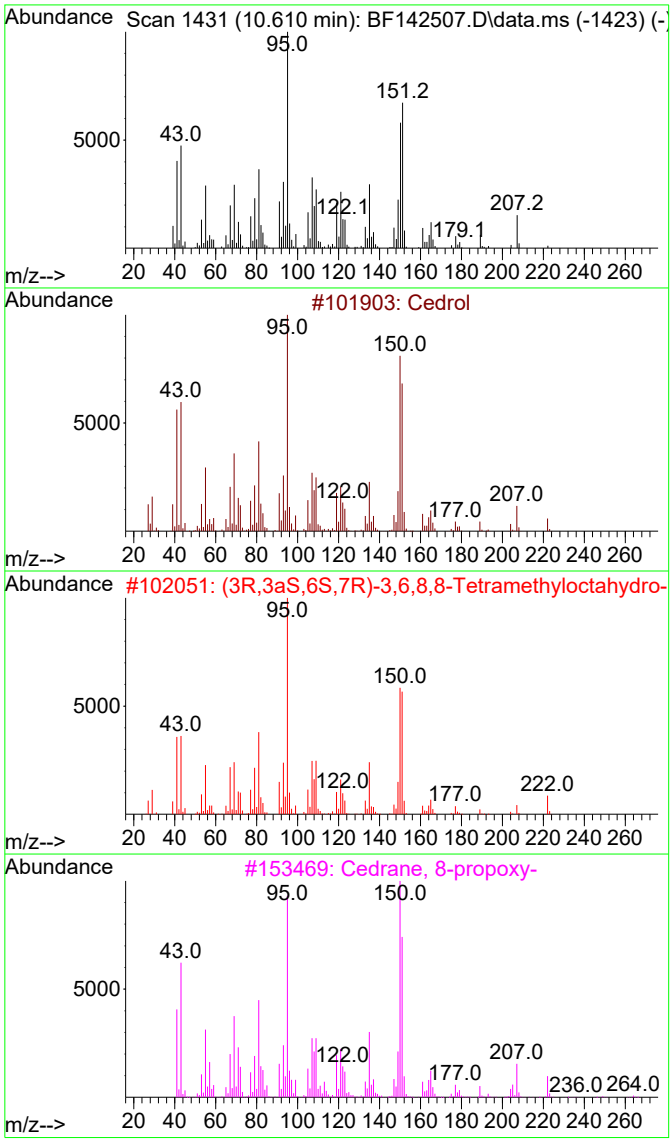
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

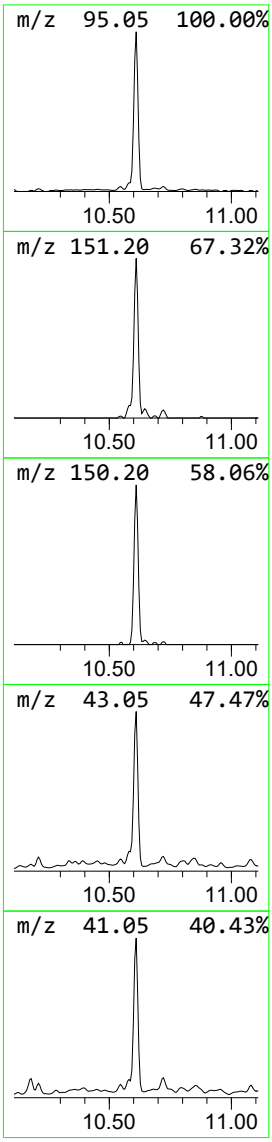
**********

Peak Number 4 Cedrol Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.610 | 7.76 ng | 378267 | Acenaphthene-d10 | 9.933 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cedrol | 222 | C15H26O | 000077-53-2 | 91 |
| 2 | (3R,3aS,6S,7R)-3,6,8,8-Tetrameth... | 222 | C15H26O | 019903-73-2 | 87 |
| 3 | Cedrane, 8-propoxy- | 264 | C18H32O | 019870-75-8 | 83 |
| 4 | Piperonylamine | 151 | C8H9NO2 | 002620-50-0 | 38 |
| 5 | 1,4 Benzodioxan-6-amine | 151 | C8H9NO2 | 022013-33-8 | 30 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

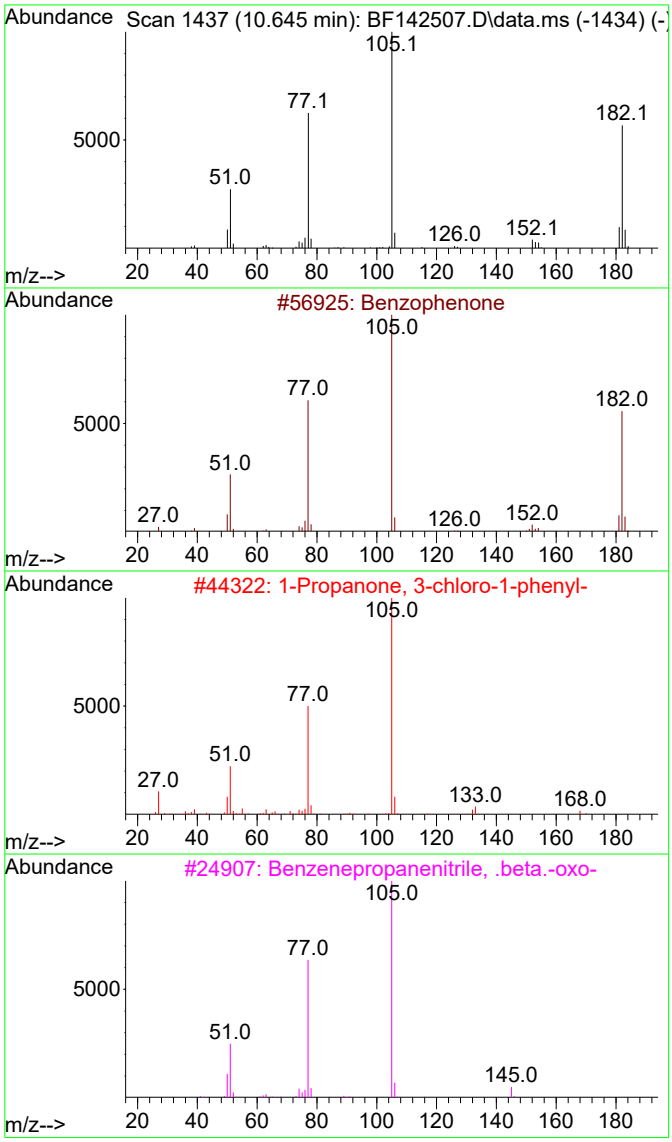
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

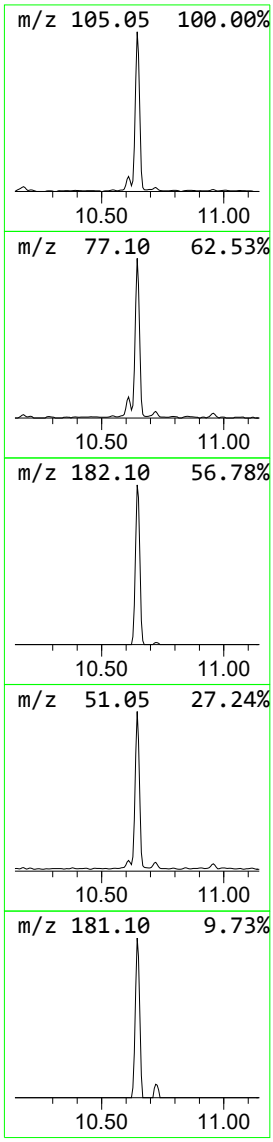
**********

Peak Number 5 Benzophenone Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.645 | 4.08 ng | 199069 | Acenaphthene-d10 | 9.933 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | 1-Propanone, 3-chloro-1-phenyl- | 168 | C9H9ClO | 000936-59-4 | 47 |
| 3 | Benzenepropanenitrile, .beta.-oxo- | 145 | C9H7NO | 000614-16-4 | 47 |
| 4 | Benzeneacetic acid, .alpha.-oxo-... | 164 | C9H8O3 | 015206-55-0 | 47 |
| 5 | Benzenebutanoic acid, .gamma.-oxo- | 178 | C10H10O3 | 002051-95-8 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

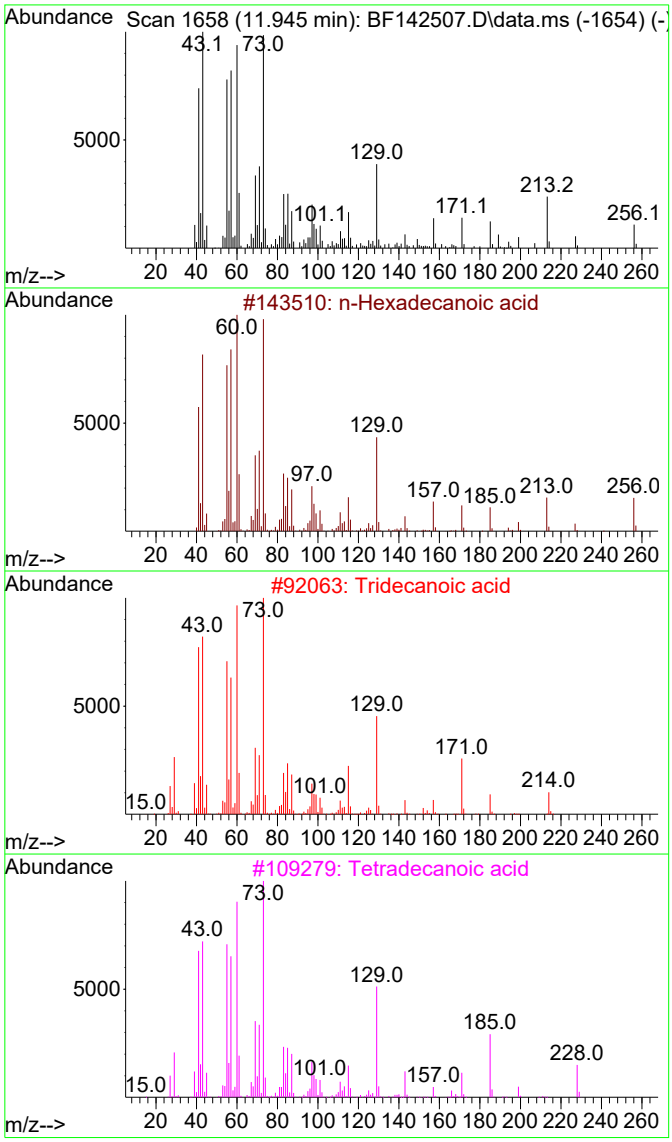
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

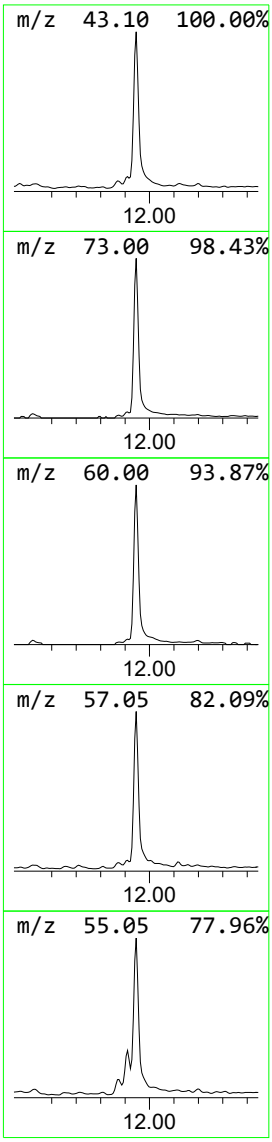
**********

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.945 | 7.59 ng | 339588 | Phenanthrene-d10 | 11.422 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

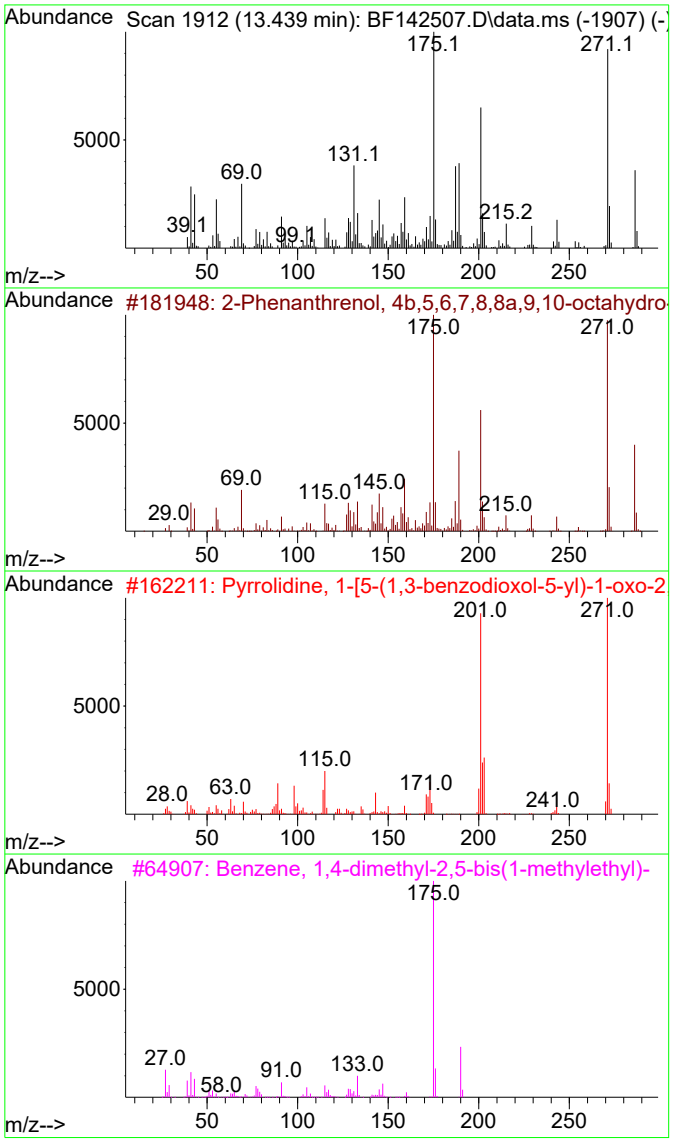
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

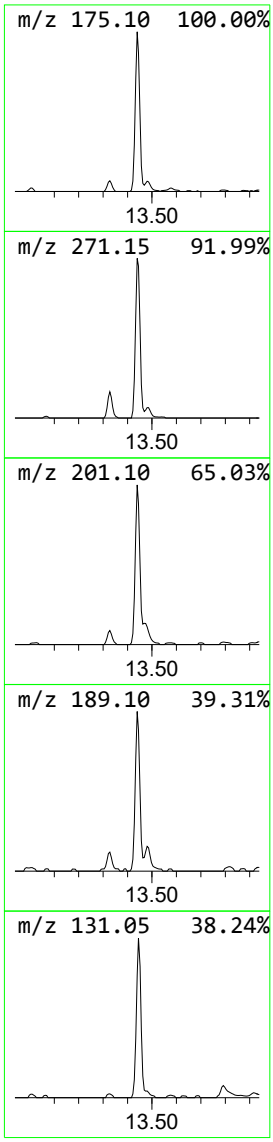
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.439 | 18.03 ng | 544198 | Chrysene-d12 | 14.063 |

| 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 | Pyrrolidine, 1-[5-(1,3-benzodiox... | 271 | C16H17NO3 | 025924-78-1 | 25 |
| 3 | Benzene, 1,4-dimethyl-2,5-bis(1-... | 190 | C14H22 | 010375-96-9 | 25 |
| 4 | 1,2,3,6-Tetrahydropyridine, 4-[4... | 175 | C11H13NO | 090684-15-4 | 20 |
| 5 | 1H-Indole-2,3-dione, 1-methyl-, ... | 175 | C9H9N3O | 003265-23-4 | 15 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

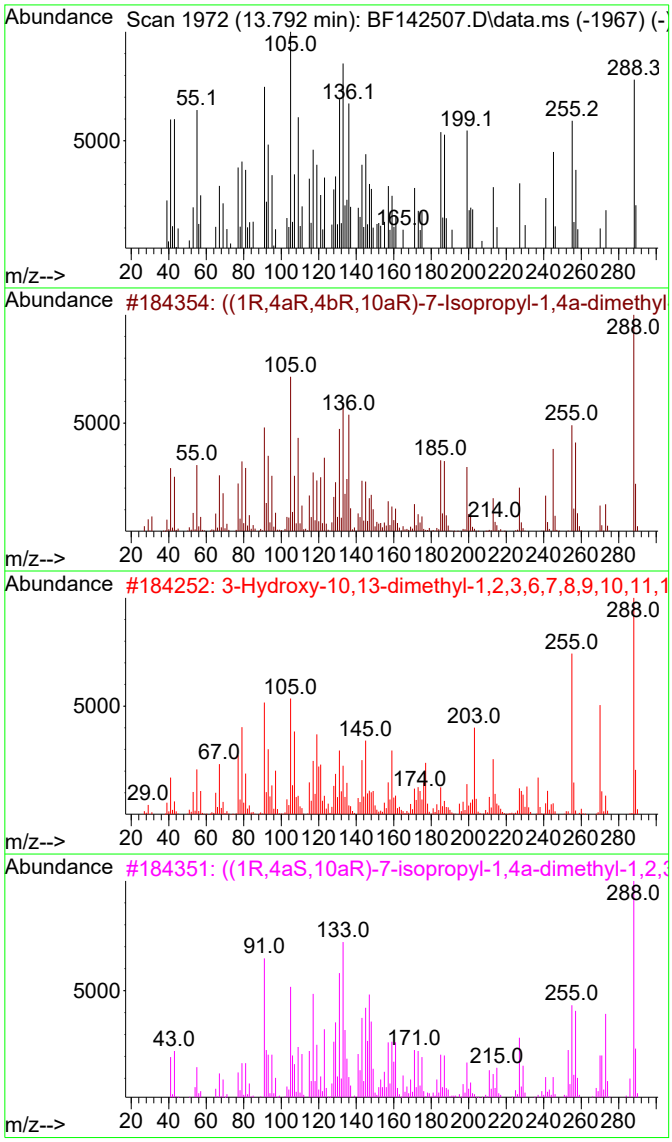
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

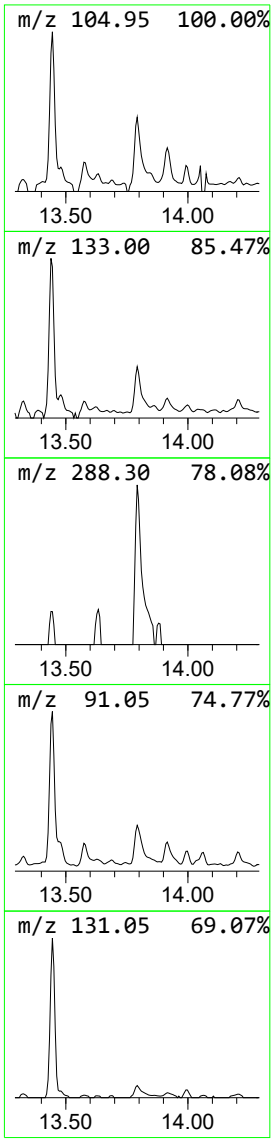
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 ((1R,4aR,4bR,10aR)-7-Isopro... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.792 | 3.21 ng | 96804 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | ((1R,4aR,4bR,10aR)-7-Isopropyl-1... | 288 | C20H32O | 000666-84-2 | 87 |
| 2 | 3-Hydroxy-10,13-dimethyl-1,2,3,6... | 288 | C19H28O2 | 1000496-48-2 | 42 |
| 3 | ((1R,4aS,10aR)-7-isopropyl-1,4a-... | 288 | C20H32O | 1000439-86-6 | 41 |
| 4 | Podocarp-7-en-3.beta.-ol, 13.bet... | 288 | C20H32O | 004752-56-1 | 30 |
| 5 | 3-Methyleneandrostan-17-ol | 288 | C20H32O | 1000197-19-0 | 15 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

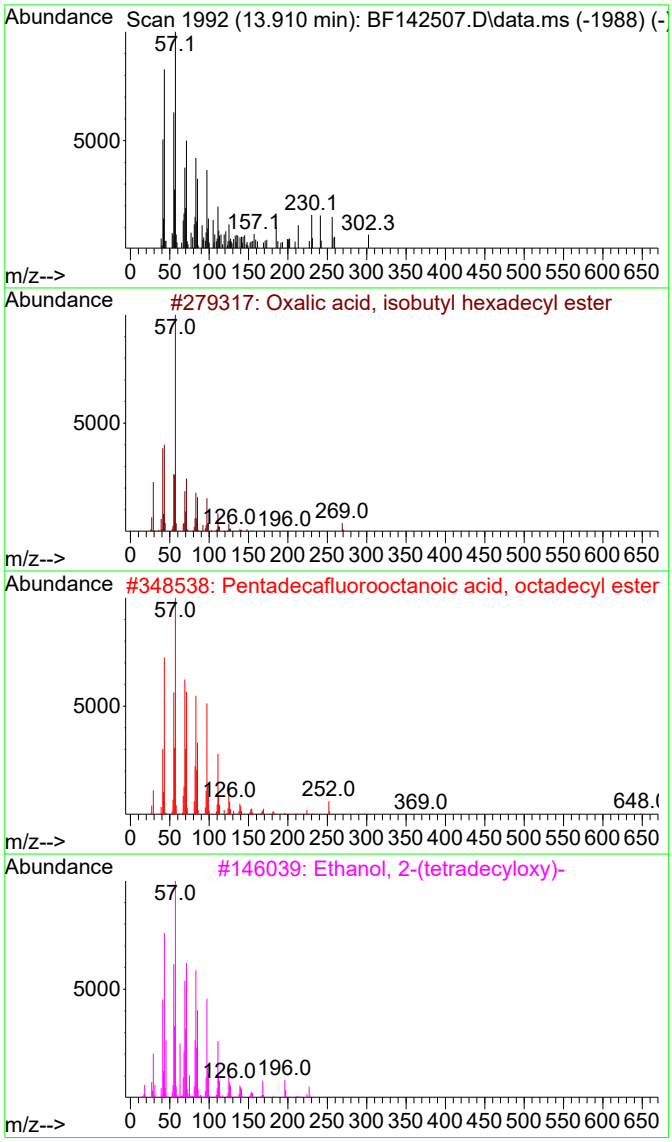
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

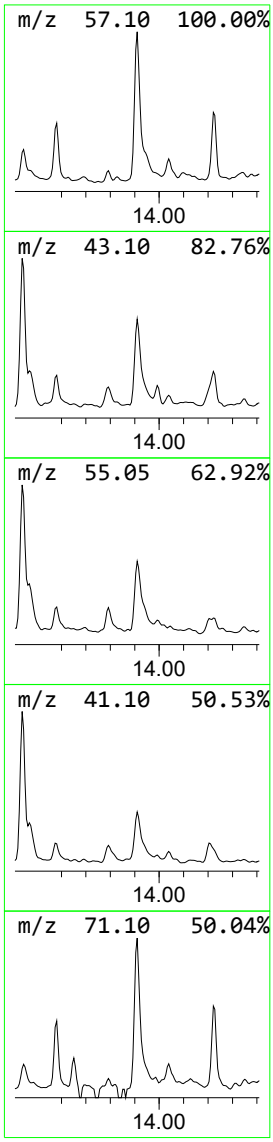
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Oxalic acid, isobutyl hexad... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.910 | 4.69 ng | 141469 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4 | 1000309-38-1 | 76 |
| 2 | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 76 |
| 3 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 76 |
| 4 | Butyl docosyl ether | 382 | C26H54O | 1000406-40-8 | 68 |
| 5 | Oxalic acid, isobutyl pentadecyl... | 356 | C21H40O4 | 1000309-38-0 | 68 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

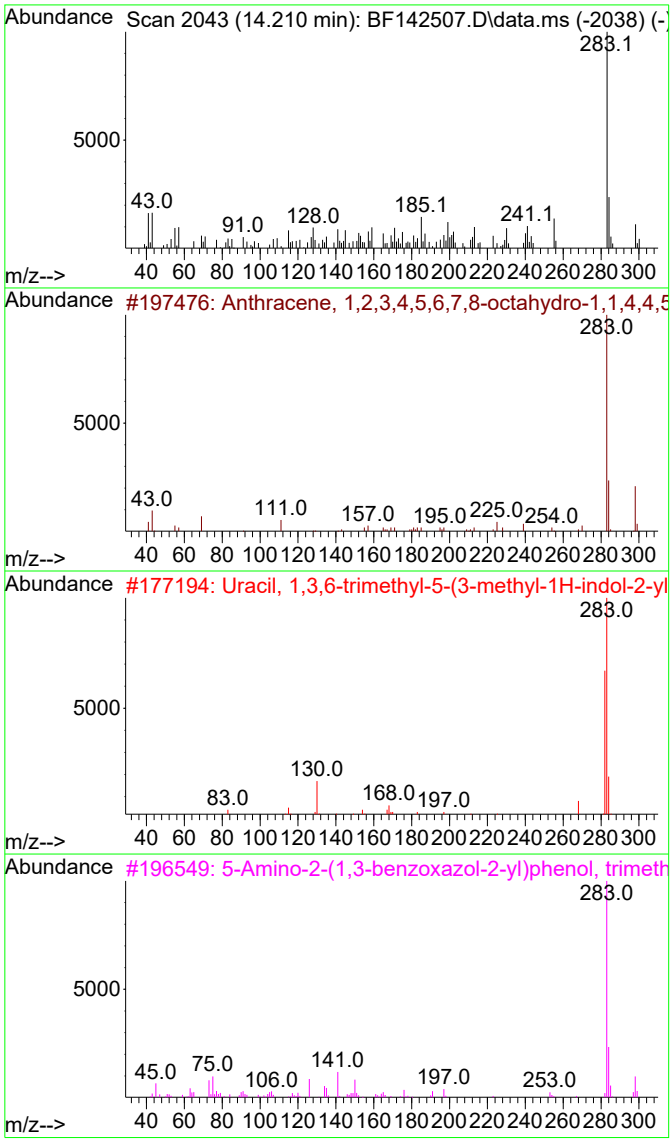
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

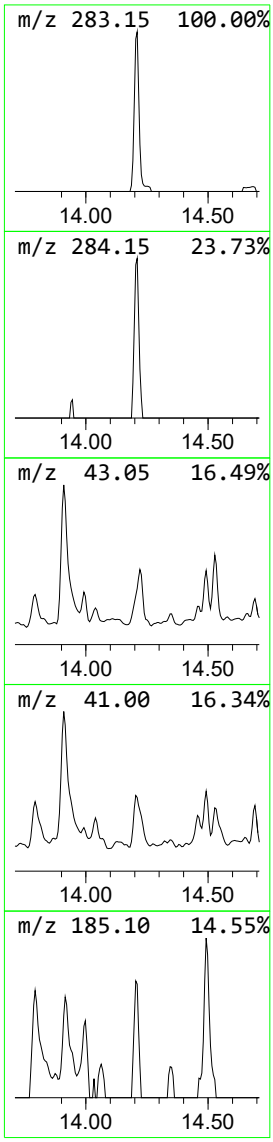
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Anthracene, 1,2,3,4,5,6,7,8... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.210 | 2.78 ng | 83768 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1,2,3,4,5,6,7,8-octa... | 298 | C22H34 | 022306-30-5 | 70 |
| 2 | Uracil, 1,3,6-trimethyl-5-(3-met... | 283 | C16H17N3O2 | 123739-89-9 | 60 |
| 3 | 5-Amino-2-(1,3-benzoxazol-2-yl)p... | 298 | C16H18N2O2Si | 1000476-10-2 | 52 |
| 4 | Spiro[2,5-cyclohexadiene-1,7'(1'... | 283 | C17H17NO3 | 002241-43-2 | 50 |
| 5 | Difluoroisopropyl(2,4,6-tri-tert... | 354 | C21H36F2Si | 1010427-04-2 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

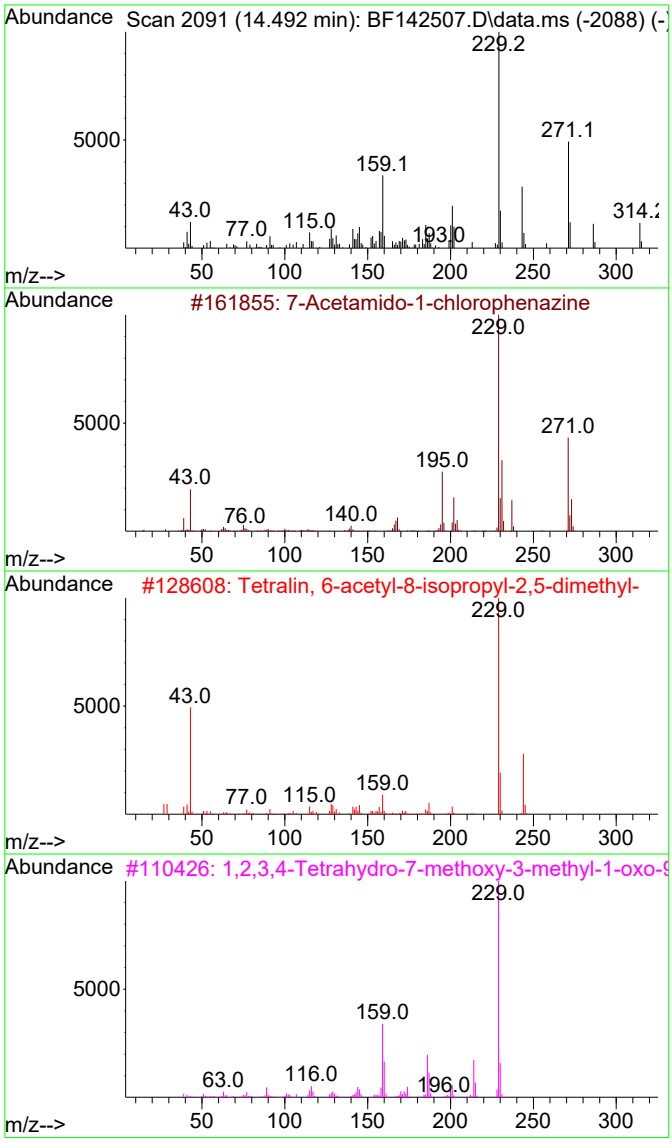
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

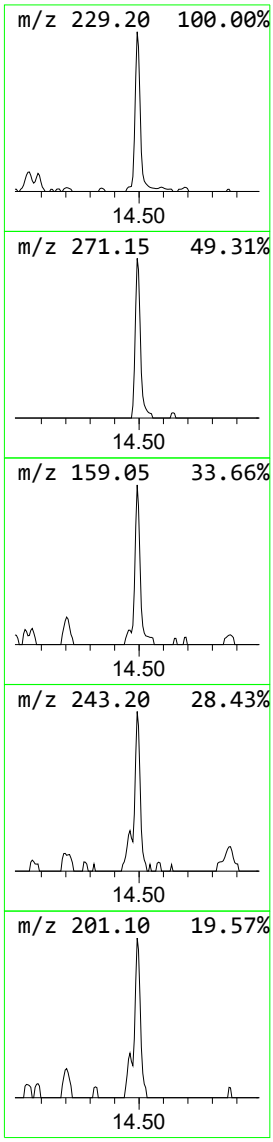
**********

Peak Number 11 unknown14.492 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.492 | 3.35 ng | 101191 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Acetamido-1-chlorophenazine | 271 | C14H10ClN3O | 023677-12-5 | 47 |
| 2 | Tetralin, 6-acetyl-8-isopropyl-2... | 244 | C17H24O | 1000155-43-5 | 45 |
| 3 | 1,2,3,4-Tetrahydro-7-methoxy-3-m... | 229 | C14H15NO2 | 032550-51-9 | 43 |
| 4 | 6-Methyl-2-(methylthio)-4-pyrimi... | 244 | C9H16N2S2Si | 1000479-10-2 | 38 |
| 5 | Naphthalene, 6,7-diethyl-1,2,3,4... | 244 | C18H28 | 055741-10-1 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

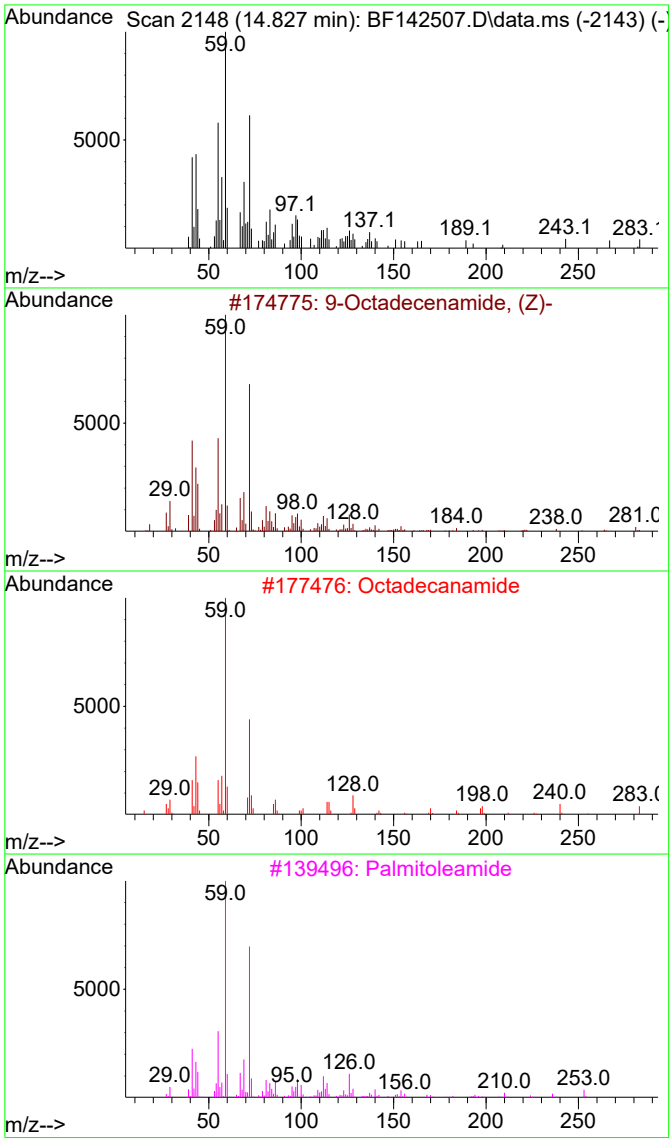
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

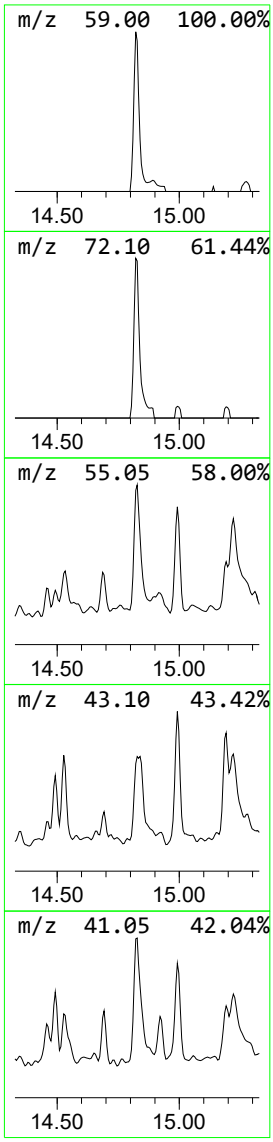
**********

Peak Number 12 9-Octadecenamide, (Z)- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.827 | 2.69 ng | 81631 | Perylene-d12 | 15.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 91 |
| 2 | Octadecanamide | 283 | C18H37NO | 000124-26-5 | 87 |
| 3 | Palmitoleamide | 253 | C16H31NO | 106010-22-4 | 59 |
| 4 | Heptanamide, 4-ethyl-5-methyl- | 171 | C10H21NO | 054789-40-1 | 59 |
| 5 | Dodecanamide | 199 | C12H25NO | 001120-16-7 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

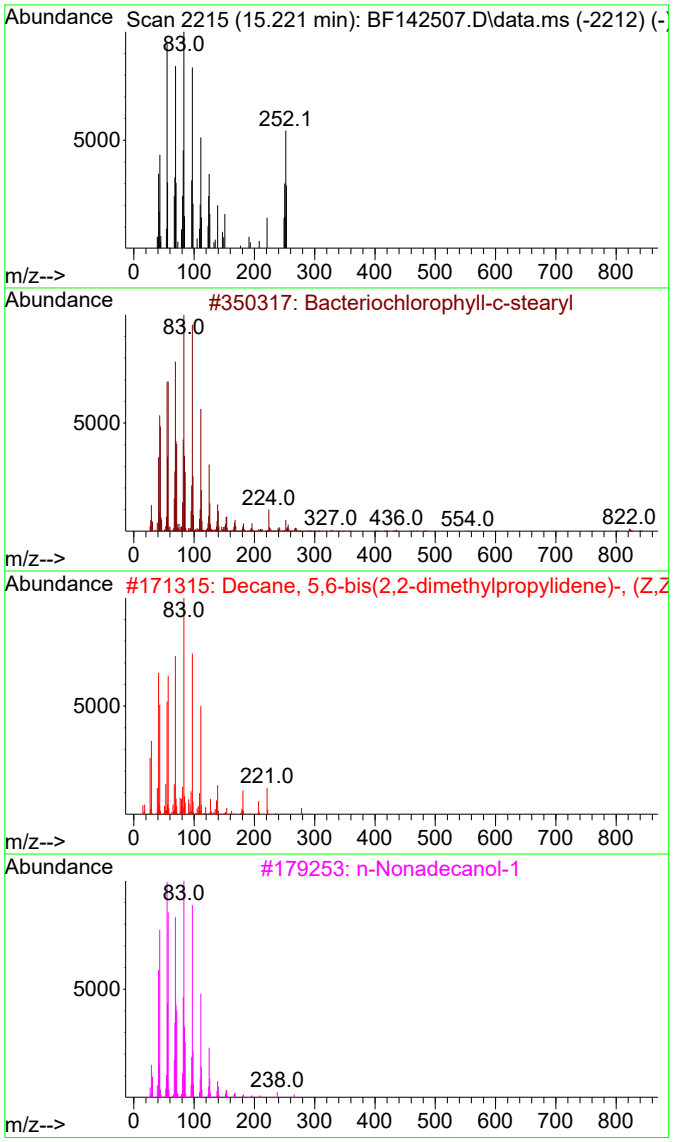
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

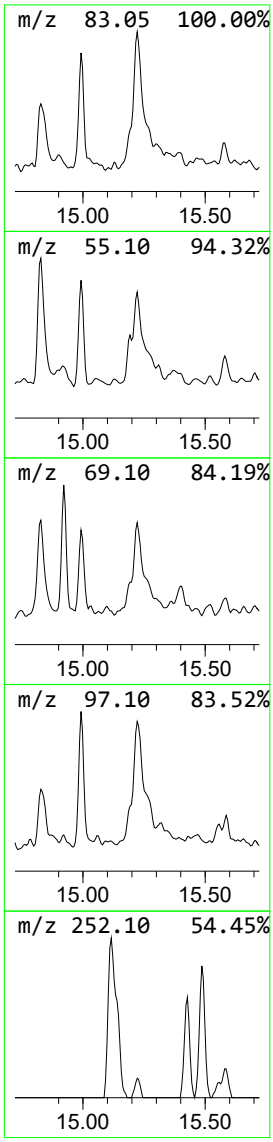
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Bacteriochlorophyll-c-stearyl Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.221 | 2.18 ng | 66212 | Perylene-d12 | 15.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bacteriochlorophyll-c-stearyl | 841 | C52H72MgN4O4 | 1010164-49-7 | 53 |
| 2 | Decane, 5,6-bis(2,2-dimethylprop... | 278 | C20H38 | 073002-85-4 | 53 |
| 3 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 52 |
| 4 | 9-Octadecene, (E)- | 252 | C18H36 | 007206-25-9 | 50 |
| 5 | 1-Octadecanol, methyl ether | 284 | C19H40O | 1000406-29-3 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

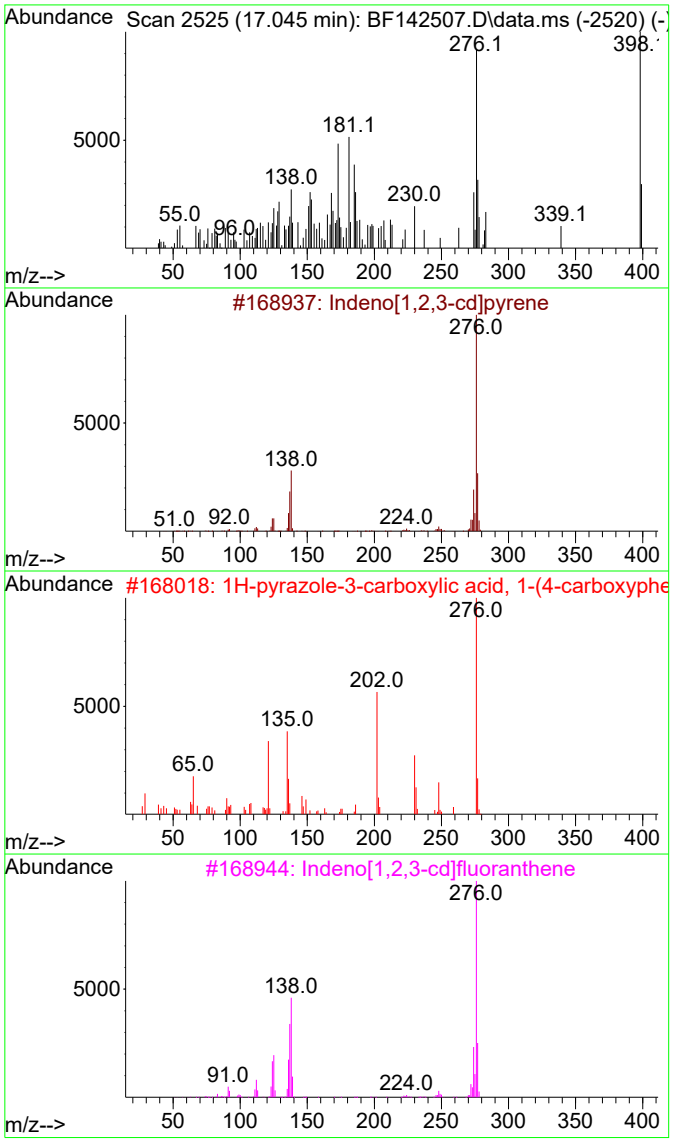
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

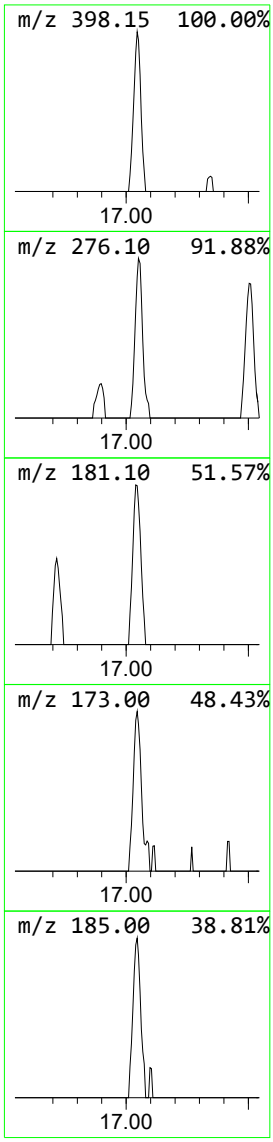
**********

Peak Number 14 unknown17.045 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.045 | 2.08 ng | 63146 | Perylene-d12 | 15.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indeno[1,2,3-cd]pyrene | 276 | C22H12 | 000193-39-5 | 25 |
| 2 | 1H-pyrazole-3-carboxylic acid, 1... | 276 | C13H12N2O5 | 1000401-82-5 | 18 |
| 3 | Indeno[1,2,3-cd]fluoranthene | 276 | C22H12 | 000193-43-1 | 15 |
| 4 | 6-Nitro-3-carbethoxy-1,2,5-trime... | 276 | C14H16N2O4 | 052916-00-4 | 11 |
| 5 | Dibenzo[def,mno]chrysene | 276 | C22H12 | 000191-26-4 | 11 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142507.D
Acq On : 22 May 2025 13:40
Operator : RC/JU
Sample : Q2080-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-HRH-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-... | 5.110 | 6.0 | ng | 188016 | 1 | 6.898 | 628737 | 20.0 |
| Longifolene | 9.569 | 9.5 | ng | 464375 | 3 | 9.933 | 975201 | 20.0 |
| cis-Thujopsene | 9.692 | 2.5 | ng | 119696 | 3 | 9.933 | 975201 | 20.0 |
| Cedrol | 10.610 | 7.8 | ng | 378267 | 3 | 9.933 | 975201 | 20.0 |
| Benzophenone | 10.645 | 4.1 | ng | 199069 | 3 | 9.933 | 975201 | 20.0 |
| n-Hexadecanoic ... | 11.945 | 7.6 | ng | 339588 | 4 | 11.422 | 894596 | 20.0 |
| 2-Phenanthrenol... | 13.439 | 18.0 | ng | 544198 | 5 | 14.063 | 603580 | 20.0 |
| ((1R,4aR,4bR,10... | 13.792 | 3.2 | ng | 96804 | 5 | 14.063 | 603580 | 20.0 |
| Oxalic acid, is... | 13.910 | 4.7 | ng | 141469 | 5 | 14.063 | 603580 | 20.0 |
| Anthracene, 1,2... | 14.210 | 2.8 | ng | 83768 | 5 | 14.063 | 603580 | 20.0 |
| unknown14.492 | 14.492 | 3.4 | ng | 101191 | 5 | 14.063 | 603580 | 20.0 |
| 9-Octadecenamid... | 14.827 | 2.7 | ng | 81631 | 6 | 15.557 | 607483 | 20.0 |
| Bacteriochlorop... | 15.221 | 2.2 | ng | 66212 | 6 | 15.557 | 607483 | 20.0 |
| unknown17.045 | 17.045 | 2.1 | ng | 63146 | 6 | 15.557 | 607483 | 20.0 |