LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SU-01-060821

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: BF124253.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.475 | 573 | 576 | 585 | rBV | 115749 | 102497 | 3.92% | 0.856% |
| 2 | 6.487 | 745 | 748 | 758 | rBB | 106407 | 108172 | 4.14% | 0.903% |
| 3 | 6.845 | 806 | 809 | 813 | rBV | 263122 | 232481 | 8.90% | 1.941% |
| 4 | 7.410 | 901 | 905 | 909 | rBV | 83661 | 77596 | 2.97% | 0.648% |
| 5 | 8.134 | 1021 | 1028 | 1034 | rBV | 347125 | 313187 | 11.99% | 2.615% |
| 6 | 8.722 | 1125 | 1128 | 1131 | rBV | 67907 | 55059 | 2.11% | 0.460% |
| 7 | 9.204 | 1207 | 1210 | 1214 | rBV | 198550 | 155357 | 5.95% | 1.297% |
| 8 | 9.286 | 1219 | 1224 | 1227 | rBV | 99521 | 79076 | 3.03% | 0.660% |
| 9 | 9.598 | 1274 | 1277 | 1280 | rBV2 | 53146 | 67256 | 2.57% | 0.562% |
| 10 | 9.816 | 1311 | 1314 | 1317 | rVB | 110667 | 74678 | 2.86% | 0.624% |
| 11 | 9.886 | 1322 | 1326 | 1330 | rVB | 422462 | 312992 | 11.98% | 2.614% |
| 12 | 10.316 | 1396 | 1399 | 1402 | rVB | 109886 | 82279 | 3.15% | 0.687% |
| 13 | 10.533 | 1432 | 1436 | 1439 | rBV | 32227 | 40347 | 1.54% | 0.337% |
| 14 | 10.675 | 1458 | 1460 | 1464 | rBV | 79610 | 68382 | 2.62% | 0.571% |
| 15 | 10.786 | 1476 | 1479 | 1485 | rBV | 100738 | 111204 | 4.26% | 0.929% |
| 16 | 10.892 | 1493 | 1497 | 1500 | rVB | 58207 | 46569 | 1.78% | 0.389% |
| 17 | 11.233 | 1552 | 1555 | 1558 | rBV | 75698 | 65238 | 2.50% | 0.545% |
| 18 | 11.269 | 1558 | 1561 | 1565 | rVB2 | 36451 | 40991 | 1.57% | 0.342% |
| 19 | 11.375 | 1575 | 1579 | 1581 | rBV | 322514 | 259015 | 9.92% | 2.163% |
| 20 | 11.398 | 1581 | 1583 | 1587 | rVV | 175399 | 135780 | 5.20% | 1.134% |
| 21 | 11.451 | 1589 | 1592 | 1595 | rVB | 54691 | 41511 | 1.59% | 0.347% |
| 22 | 11.663 | 1626 | 1628 | 1630 | rBV | 75302 | 64583 | 2.47% | 0.539% |
| 23 | 11.686 | 1630 | 1632 | 1635 | rVB | 169518 | 125810 | 4.82% | 1.051% |
| 24 | 11.769 | 1642 | 1646 | 1649 | rBV | 1840747 | 1388110 | 53.14% | 11.592% |
| 25 | 11.904 | 1666 | 1669 | 1675 | rVB3 | 59163 | 61421 | 2.35% | 0.513% |
| 26 | 12.069 | 1693 | 1697 | 1702 | rVB3 | 44883 | 56501 | 2.16% | 0.472% |
| 27 | 12.457 | 1759 | 1763 | 1765 | rBV | 2517785 | 2561404 | 98.05% | 21.390% |
| 28 | 12.480 | 1765 | 1767 | 1772 | rVB | 3296533 | 2612214 | 100.00% | 21.815% |
| 29 | 12.516 | 1772 | 1773 | 1777 | rVB4 | 34747 | 34971 | 1.34% | 0.292% |
| 30 | 12.557 | 1777 | 1780 | 1783 | rBV | 553513 | 442636 | 16.94% | 3.696% |
| 31 | 12.592 | 1783 | 1786 | 1788 | rBV | 307149 | 262645 | 10.05% | 2.193% |
| 32 | 12.792 | 1816 | 1820 | 1823 | rBV3 | 84747 | 117046 | 4.48% | 0.977% |
| 33 | 12.822 | 1823 | 1825 | 1832 | rVB | 204648 | 194499 | 7.45% | 1.624% |
| 34 | 12.957 | 1845 | 1848 | 1851 | rVB | 147810 | 120571 | 4.62% | 1.007% |
| 35 | 13.045 | 1857 | 1863 | 1864 | rBV5 | 25458 | 35148 | 1.35% | 0.294% |
| 36 | 13.116 | 1873 | 1875 | 1877 | rBV2 | 73047 | 66614 | 2.55% | 0.556% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SU-01-060821

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.145 | 1878 | 1880 | 1885 | rVV6 | 49821 | 59850 | 2.29% | 0.500% |
| 38 | 13.204 | 1888 | 1890 | 1895 | rVB5 | 73134 | 77442 | 2.96% | 0.647% |
| 39 | 13.280 | 1901 | 1903 | 1907 | rVB3 | 45102 | 39993 | 1.53% | 0.334% |
| 40 | 13.710 | 1972 | 1976 | 1981 | rVB8 | 50450 | 78136 | 2.99% | 0.653% |
| 41 | 13.863 | 1999 | 2002 | 2008 | rVB7 | 43789 | 72758 | 2.79% | 0.608% |
| 42 | 14.021 | 2024 | 2029 | 2031 | rBV2 | 353445 | 387911 | 14.85% | 3.239% |
| 43 | 14.045 | 2031 | 2033 | 2038 | rVB | 101247 | 97780 | 3.74% | 0.817% |
| 44 | 14.180 | 2052 | 2056 | 2057 | rBV3 | 35541 | 42972 | 1.65% | 0.359% |
| 45 | 15.068 | 2204 | 2207 | 2214 | rVB2 | 69237 | 113921 | 4.36% | 0.951% |
| 46 | 15.439 | 2267 | 2270 | 2275 | rVB2 | 57587 | 65603 | 2.51% | 0.548% |
| 47 | 15.504 | 2277 | 2281 | 2289 | rVB2 | 167088 | 254646 | 9.75% | 2.127% |
| 48 | 16.204 | 2395 | 2400 | 2404 | rBV8 | 40031 | 69772 | 2.67% | 0.583% |

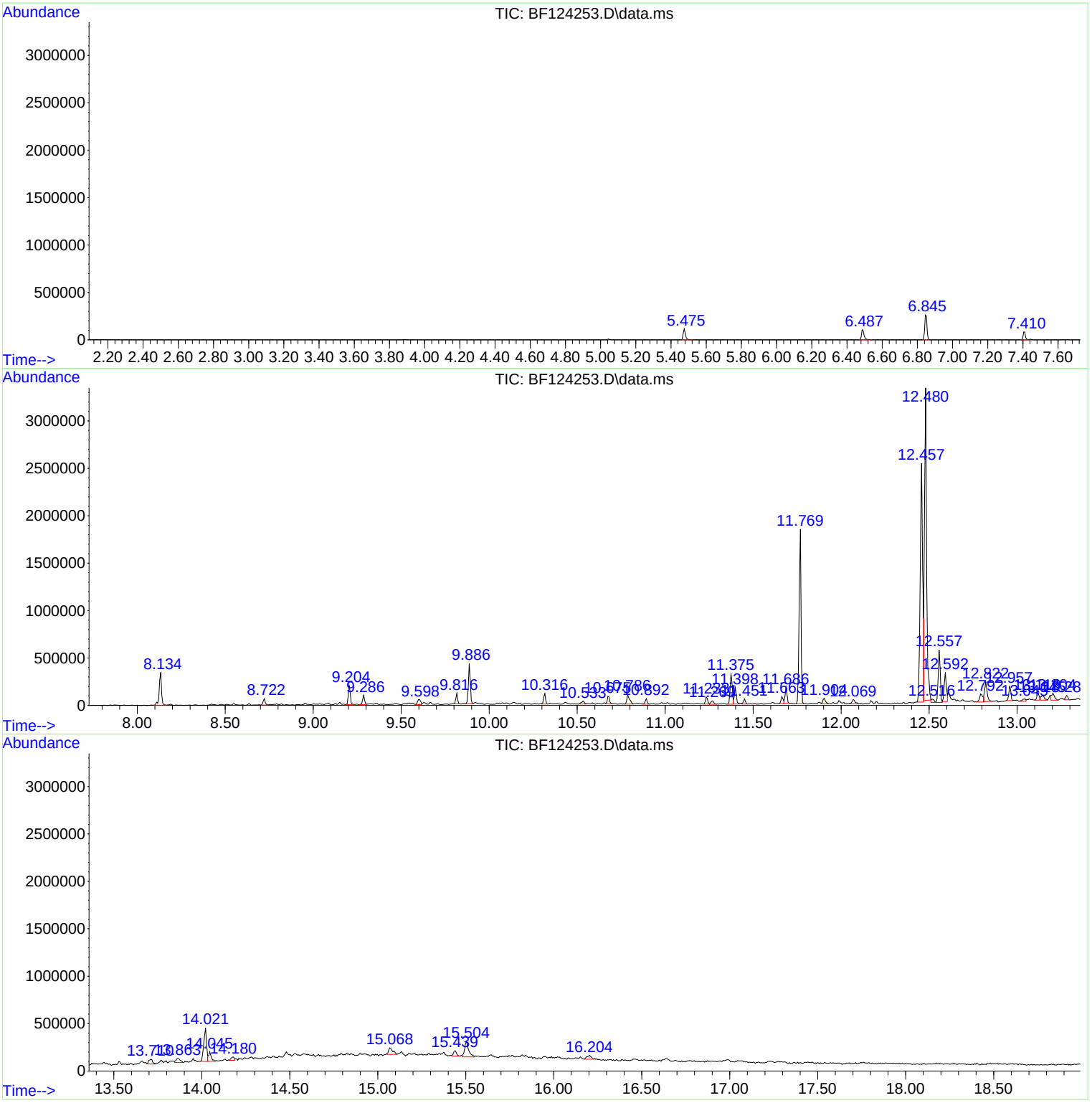
Sum of corrected areas: 11974624

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

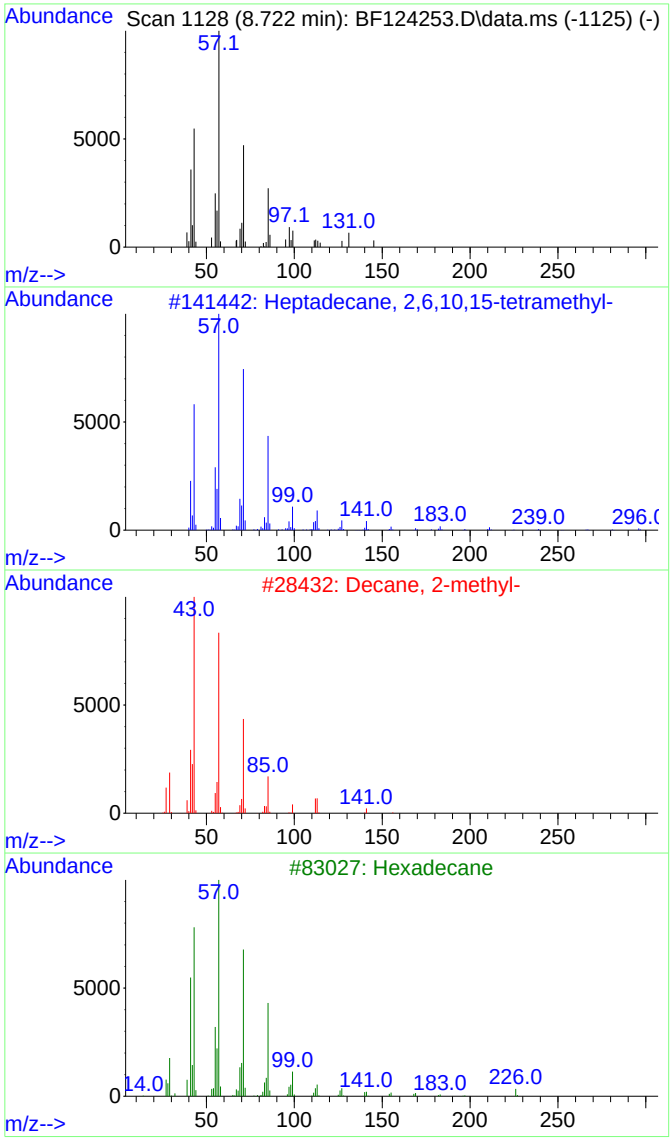
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

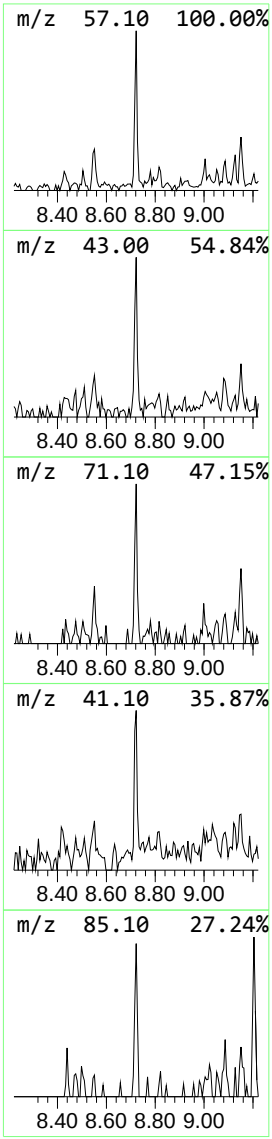
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Heptadecane, 2,6,10,15-tetr... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.722 | 3.52 ng | 55059 | Naphthalene-d8 | 8.134 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 59 |
| 2 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 59 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 58 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 58 |
| 5 | Oxalic acid, bis(6-ethyloct-3-yl... | 370 | C22H42O4 | 1000309-34-6 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

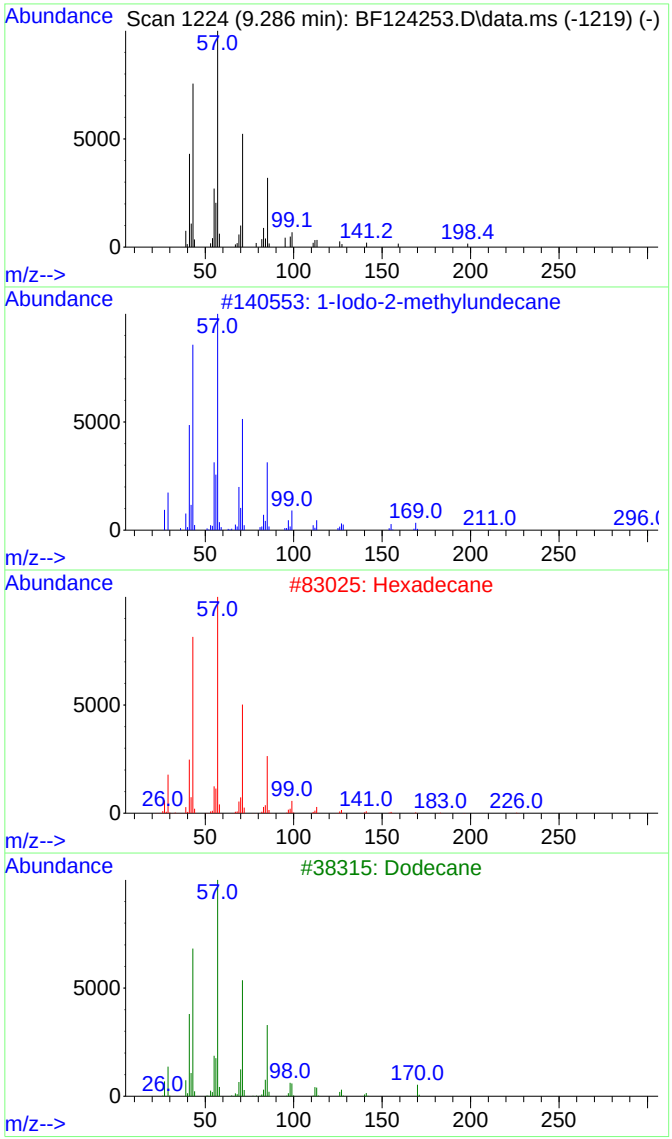
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

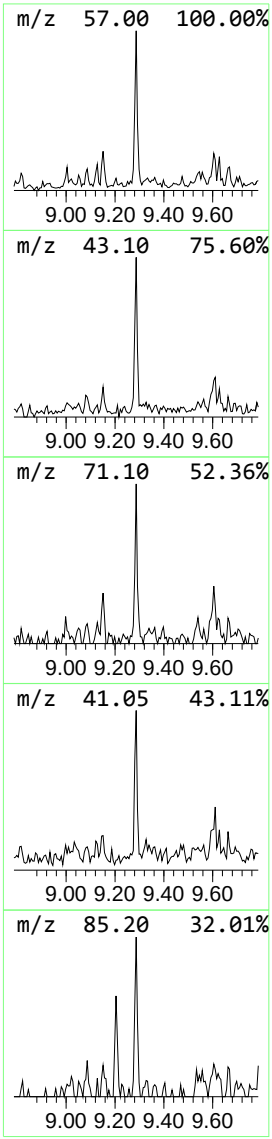
**********

Peak Number 2 1-Iodo-2-methylundecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.286 | 5.05 ng | 79076 | Acenaphthene-d10 | 9.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 86 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |
| 3 | Dodecane | 170 | C12H26 | 000112-40-3 | 78 |
| 4 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 64 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

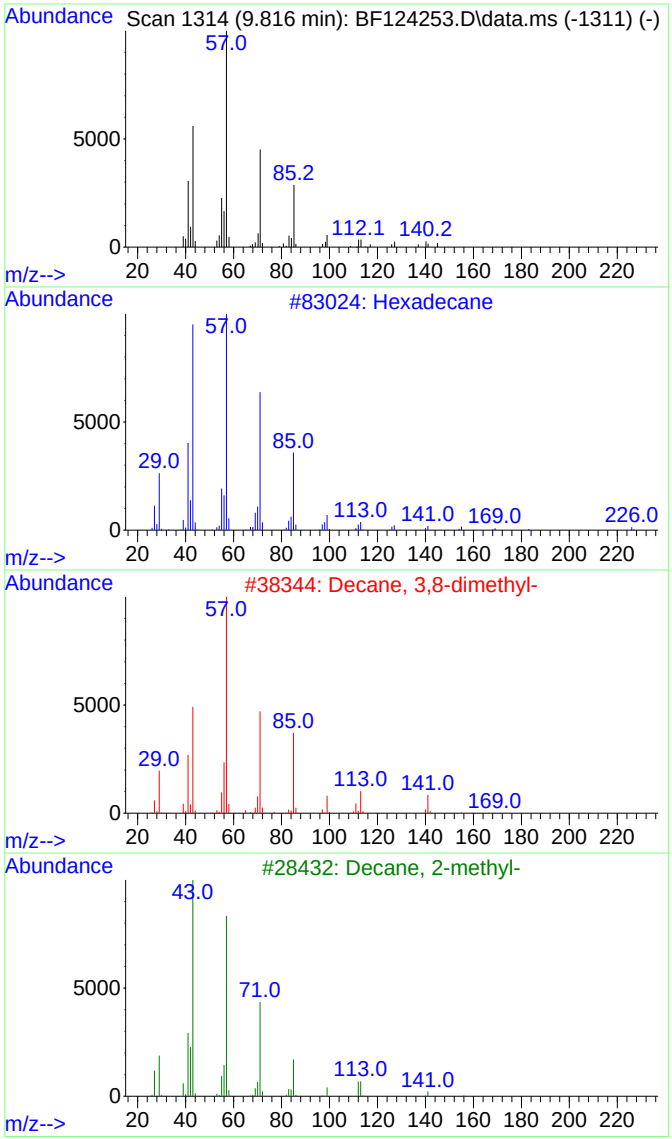
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

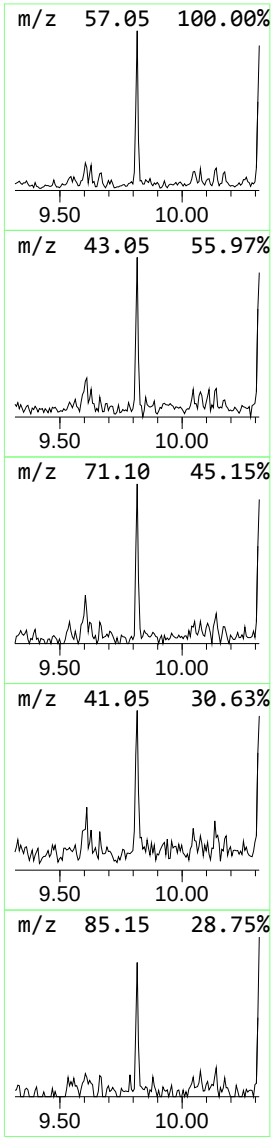
**********

Peak Number 4 Hexadecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.816 | 4.77 ng | 74678 | Acenaphthene-d10 | 9.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |
| 2 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 64 |
| 3 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 64 |
| 4 | Sulfurous acid, 2-ethylhexyl non... | 320 | C17H36O3S | 1000309-19-2 | 59 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

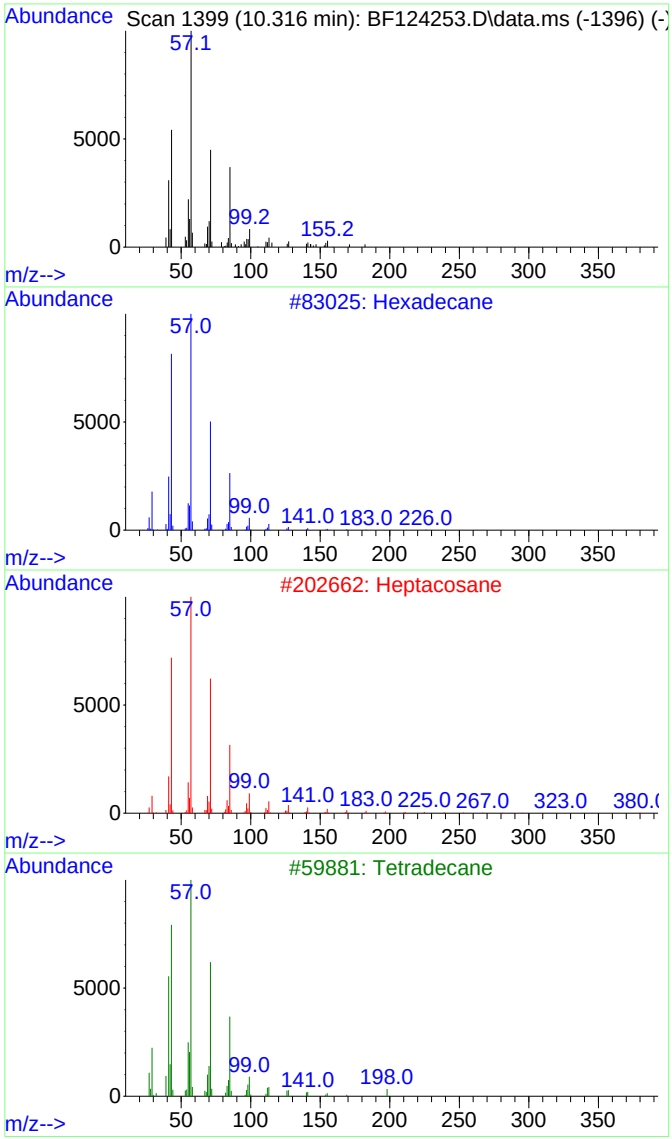
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

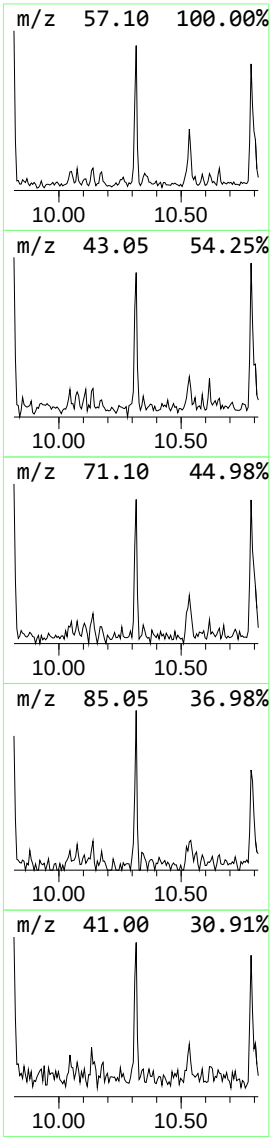
**********

Peak Number 5 Heptacosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.316 | 5.26 ng | 82279 | Acenaphthene-d10 | 9.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 86 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 72 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SU-01-060821

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

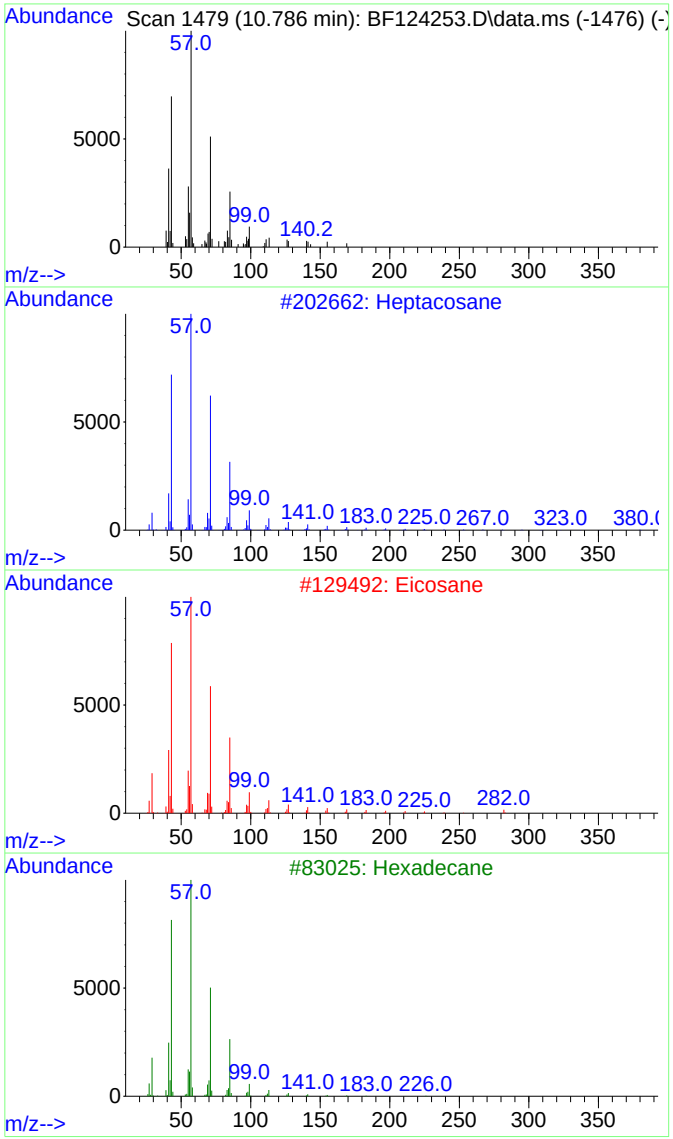
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

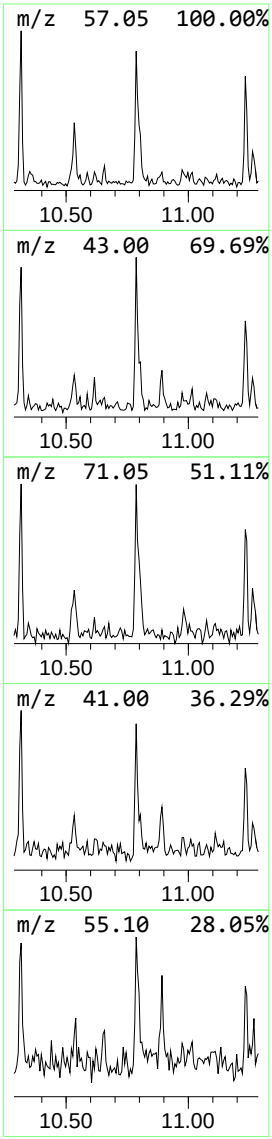
**********

Peak Number 6 Eicosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.786 | 8.59 ng | 111204 | Phenanthrene-d10 | 11.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 86 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 86 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 80 |
| 5 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

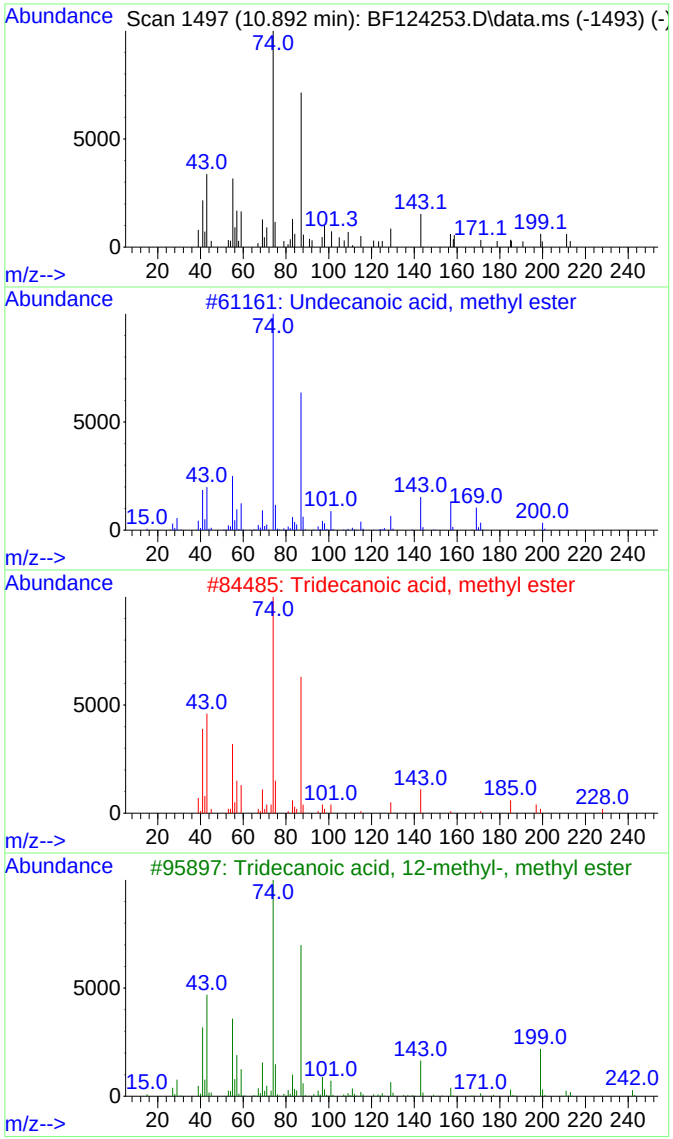
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

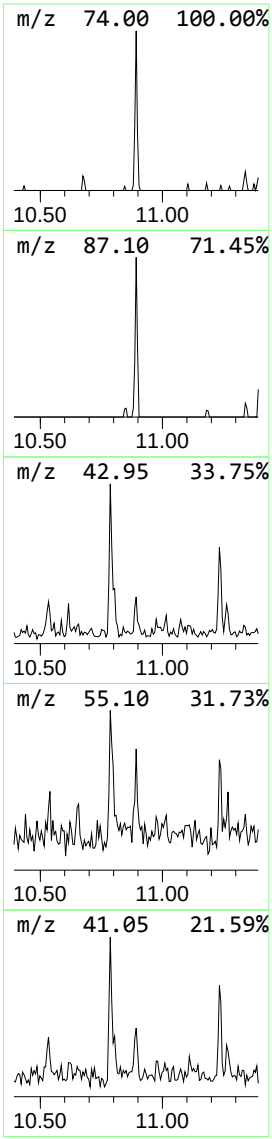
**********

Peak Number 7 Undecanoic acid, methyl ester Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.892 | 3.60 ng | 46569 | Phenanthrene-d10 | 11.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecanoic acid, methyl ester | 200 | C12H24O2 | 001731-86-8 | 90 |
| 2 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 80 |
| 3 | Tridecanoic acid, 12-methyl-, me... | 242 | C15H30O2 | 005129-58-8 | 72 |
| 4 | Dodecanoic acid, methyl ester | 214 | C13H26O2 | 000111-82-0 | 72 |
| 5 | Decanoic acid, methyl ester | 186 | C11H22O2 | 000110-42-9 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

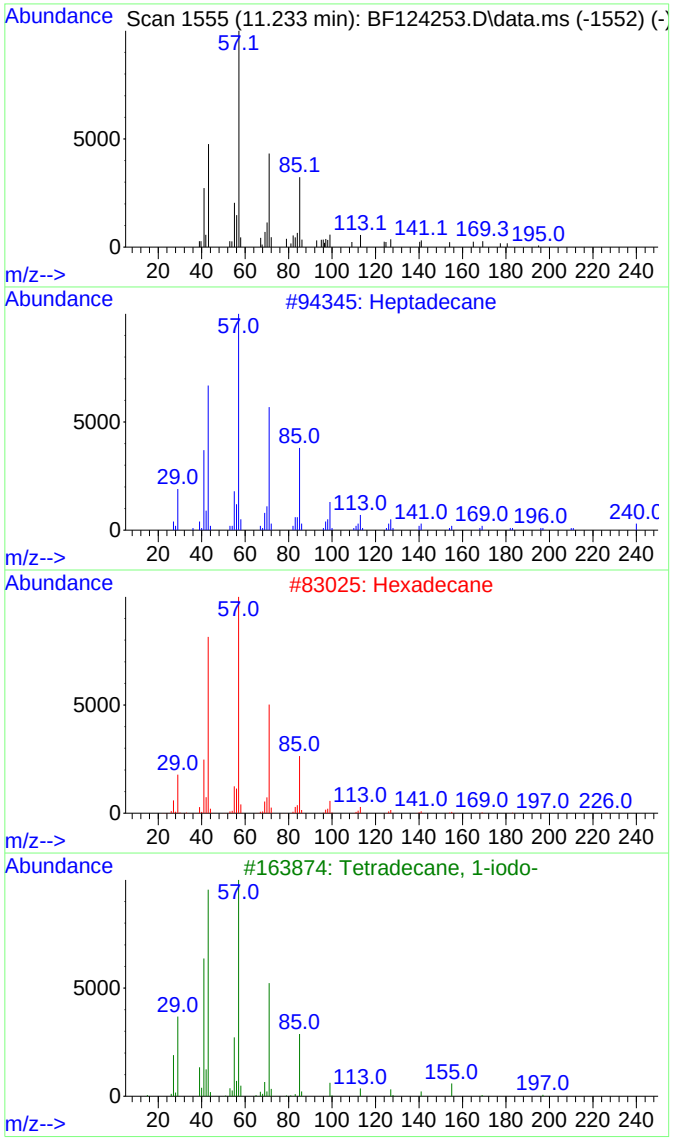
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

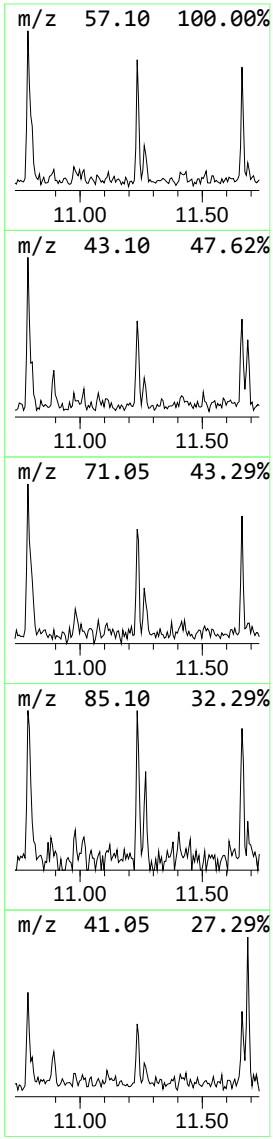
**********

Peak Number 8 Heptadecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.233 | 5.04 ng | 65238 | Phenanthrene-d10 | 11.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 72 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 3 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 64 |
| 4 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 64 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SU-01-060821

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

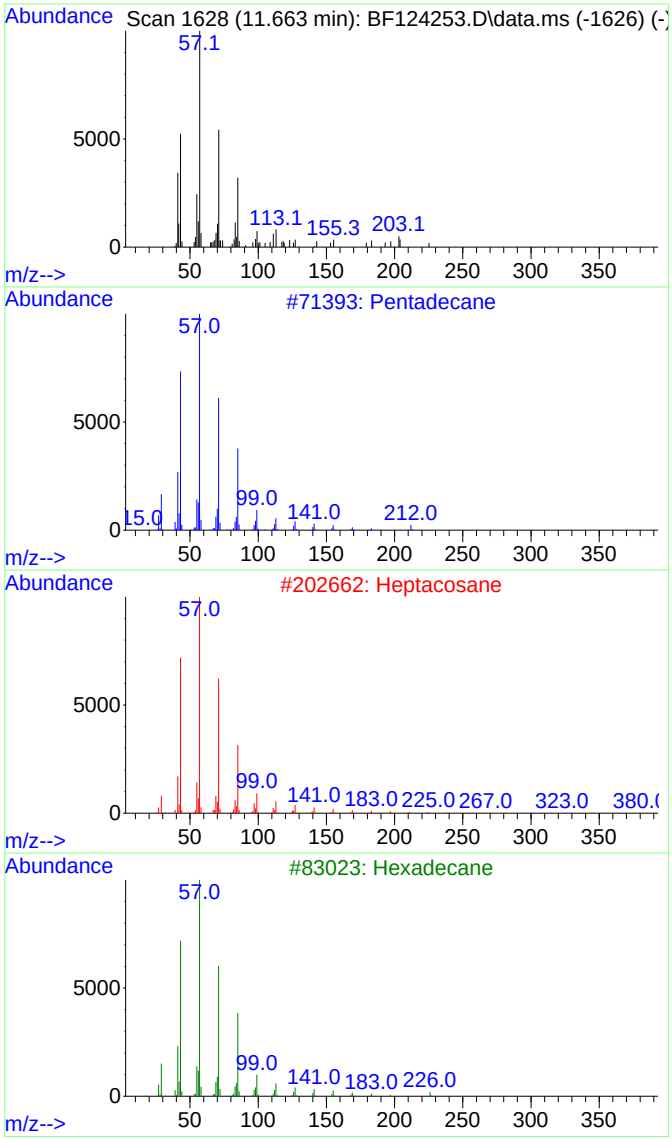
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

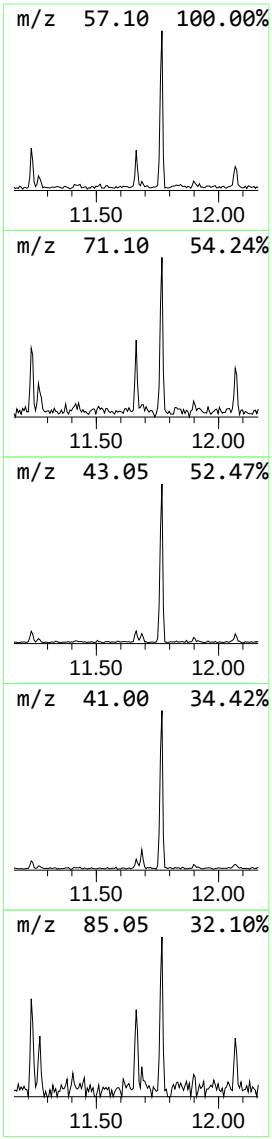
**********

Peak Number 9 Pentadecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.663 | 4.99 ng | 64583 | Phenanthrene-d10 | 11.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 80 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 78 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 72 |
| 4 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 64 |
| 5 | Sulfurous acid, 2-propyl tridecy... | 306 | C16H34O3S | 1000309-12-4 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

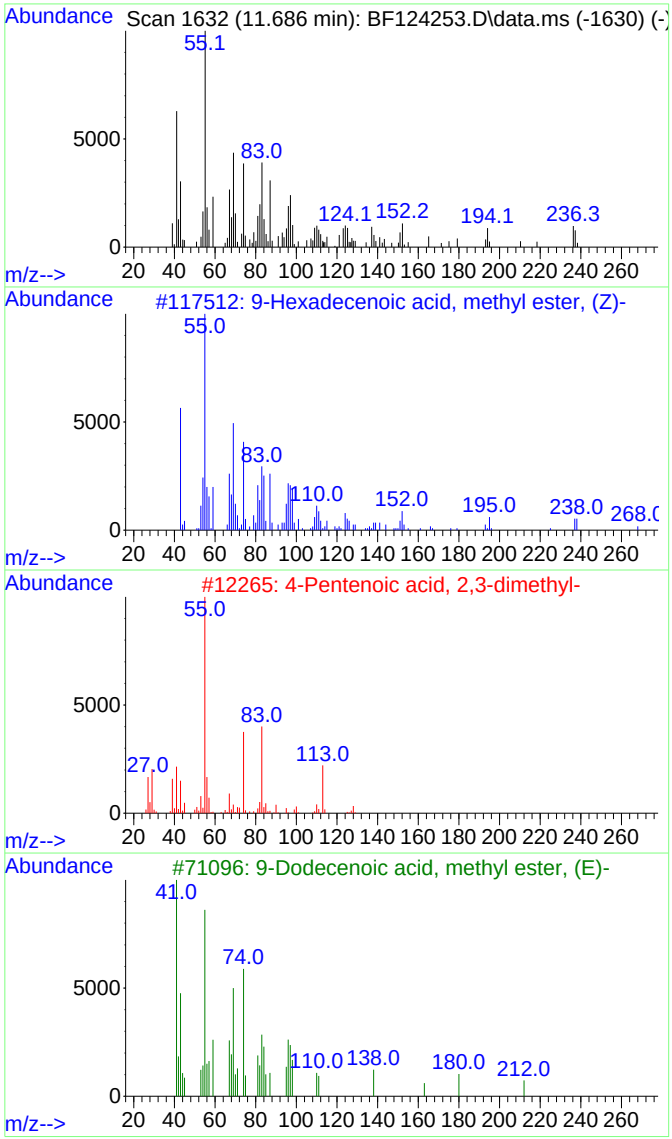
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

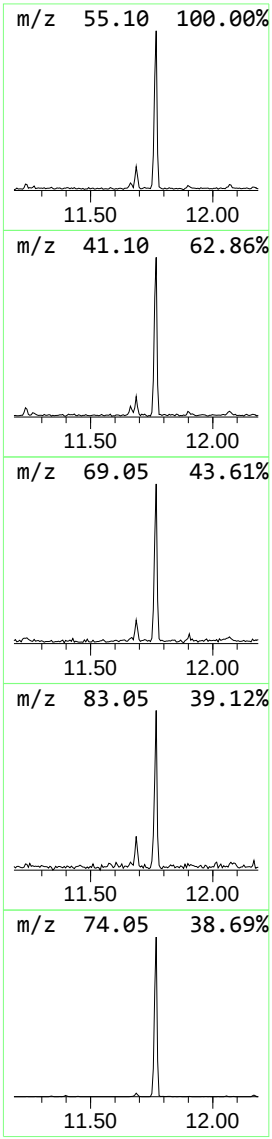
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 9-Hexadecenoic acid, methyl... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.686 | 9.71 ng | 125810 | Phenanthrene-d10 | 11.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Hexadecenoic acid, methyl este... | 268 | C17H32O2 | 001120-25-8 | 80 |
| 2 | 4-Pentenoic acid, 2,3-dimethyl- | 128 | C7H12O2 | 1000197-17-7 | 38 |
| 3 | 9-Dodecenoic acid, methyl ester,... | 212 | C13H24O2 | 055030-26-7 | 27 |
| 4 | 1-Heptadecene | 238 | C17H34 | 006765-39-5 | 25 |
| 5 | Cyclohexanemethanol, chlorodiflu... | 226 | C9H13ClF2O2 | 1000376-25-9 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

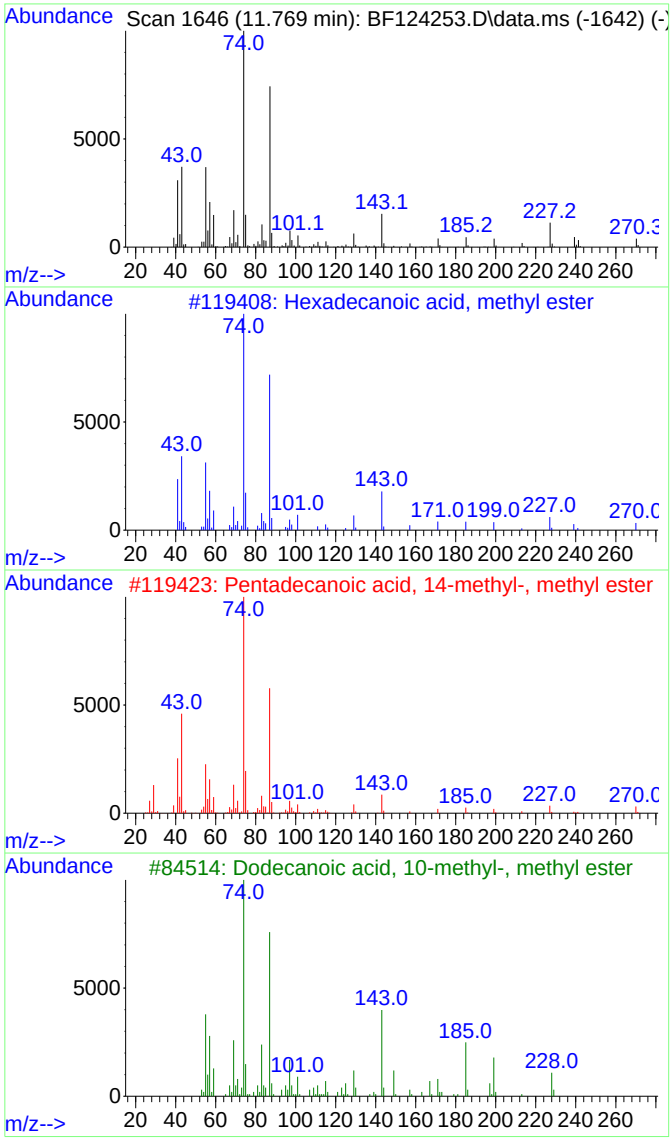
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

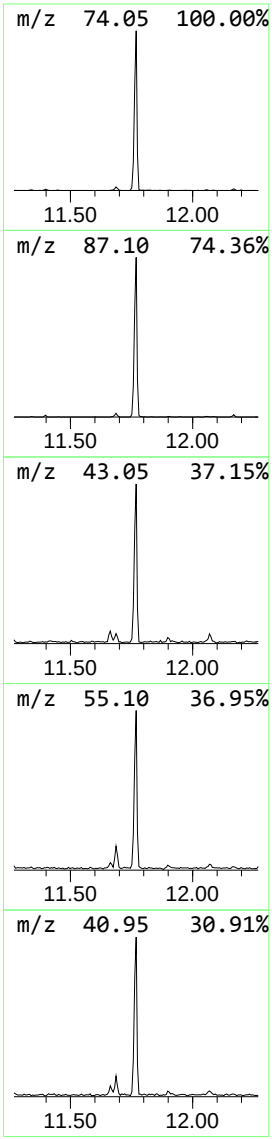
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.769 | 107.18 ng | 1388110 | Phenanthrene-d10 | 11.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 96 |
| 2 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 95 |
| 3 | Dodecanoic acid, 10-methyl-, met... | 228 | C14H28O2 | 005129-65-7 | 90 |
| 4 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 87 |
| 5 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

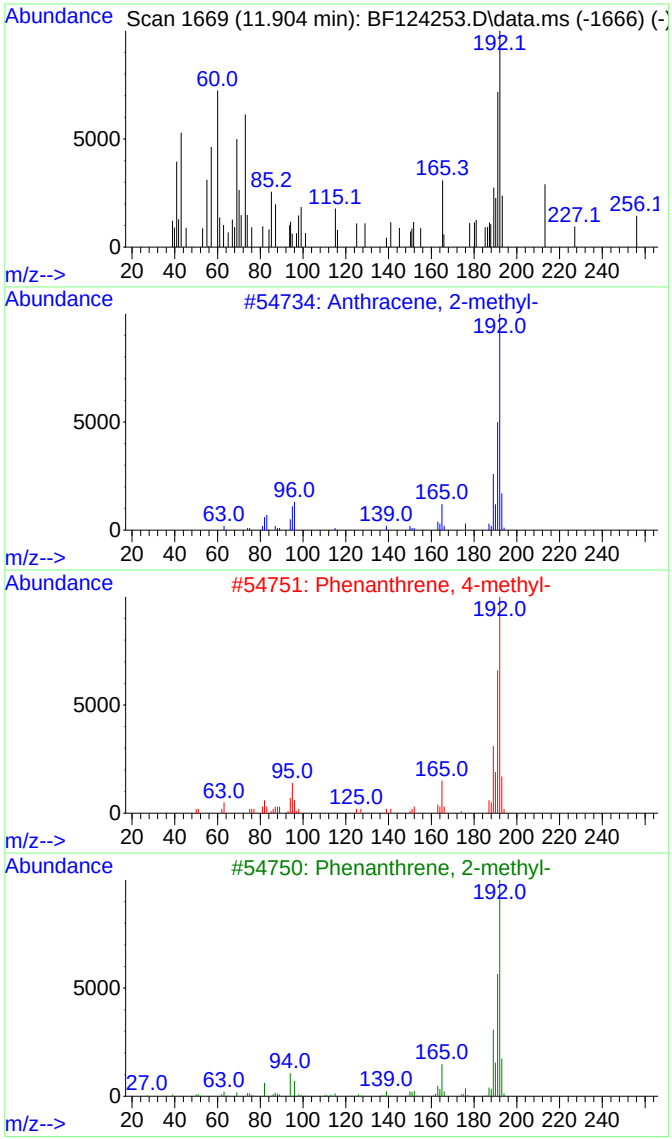
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

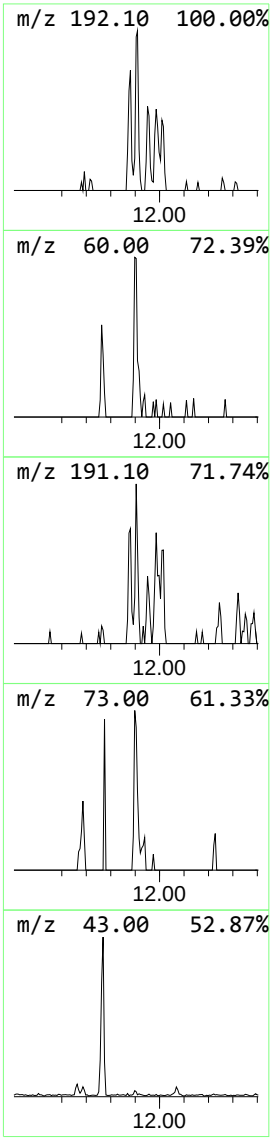
**********

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.904 | 4.74 ng | 61421 | Phenanthrene-d10 | 11.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 52 |
| 2 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 49 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 47 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 46 |
| 5 | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12 | 006109-24-6 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

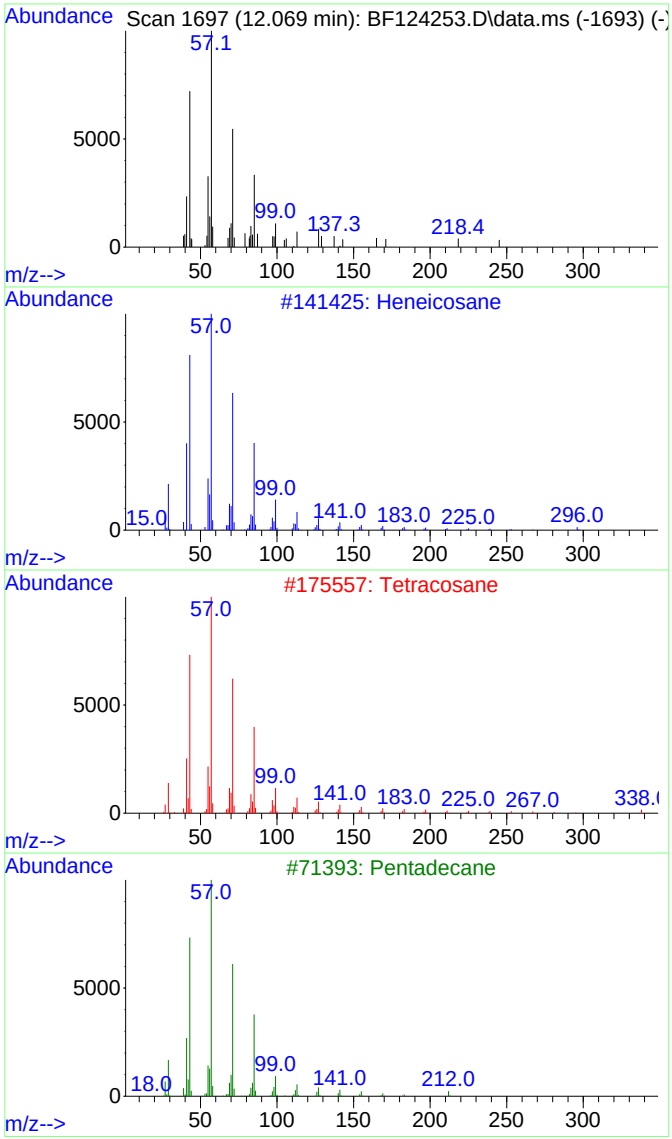
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

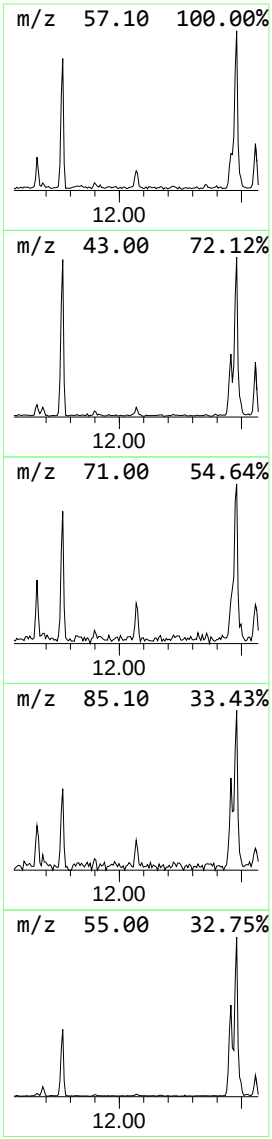
**********

Peak Number 13 Heneicosane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.069 | 4.36 ng | 56501 | Phenanthrene-d10 | 11.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 68 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 68 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 64 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 64 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

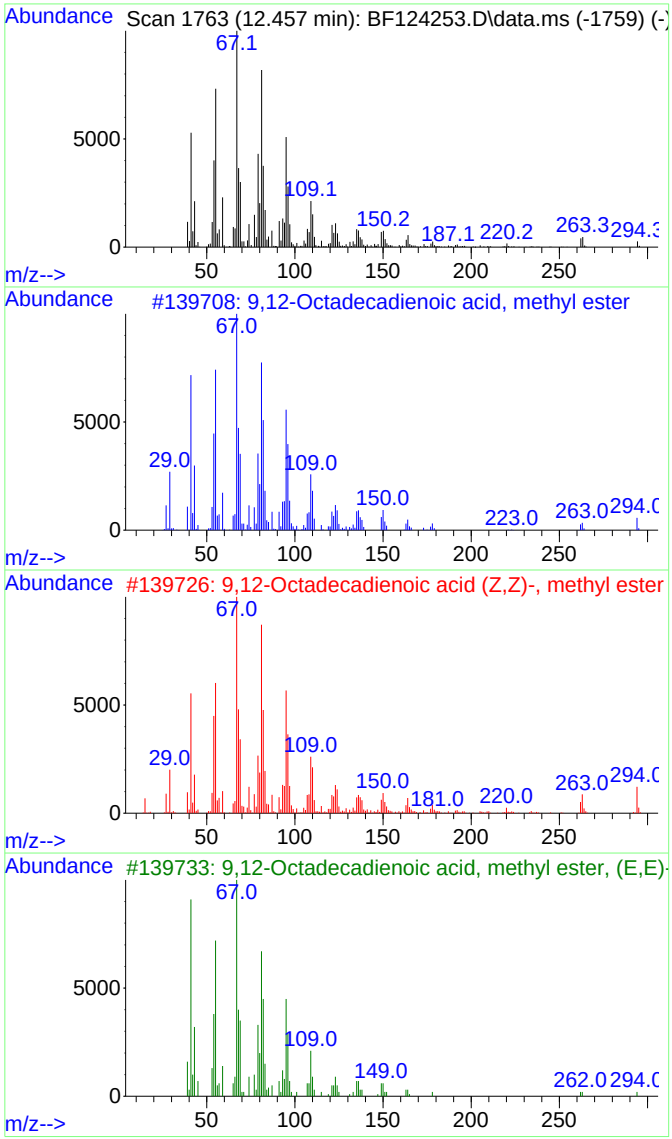
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

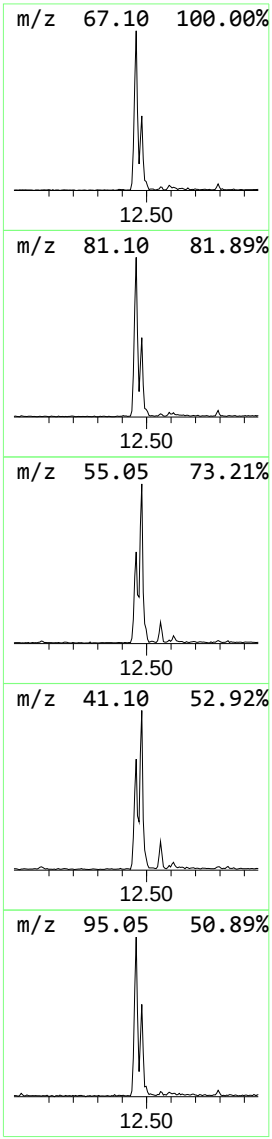
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.457 | 197.78 ng | 2561400 | Phenanthrene-d10 | 11.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |
| 2 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |
| 3 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 98 |
| 4 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 98 |
| 5 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 1000336-44-0 | 97 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SU-01-060821

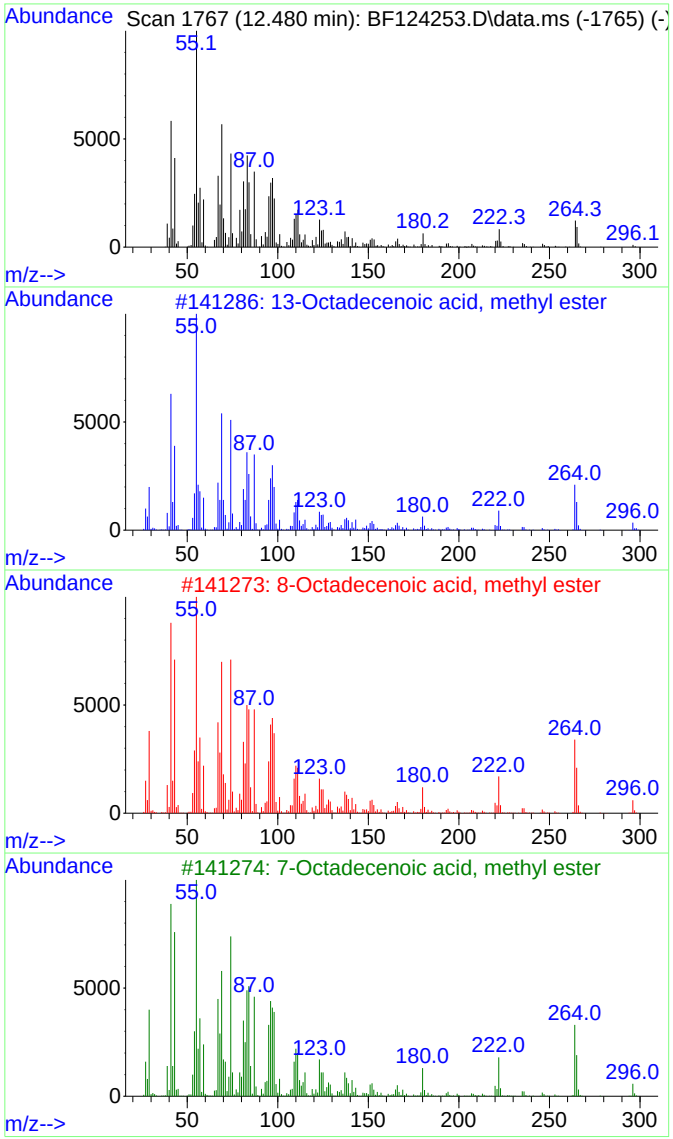
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

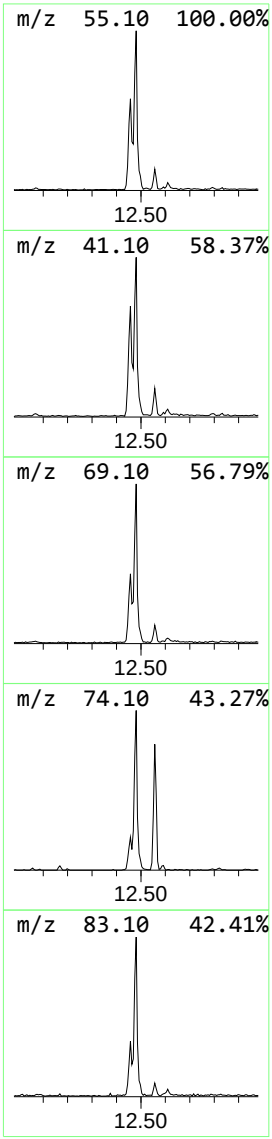
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 13-Octadecenoic acid, methy... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.480 | 201.70 ng | 2612210 | Phenanthrene-d10 | 11.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 99 |
| 2 | 8-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 002345-29-1 | 98 |
| 3 | 7-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 057396-98-2 | 97 |
| 4 | 6-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 002777-58-4 | 97 |
| 5 | 9-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 002462-84-2 | 97 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SU-01-060821

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

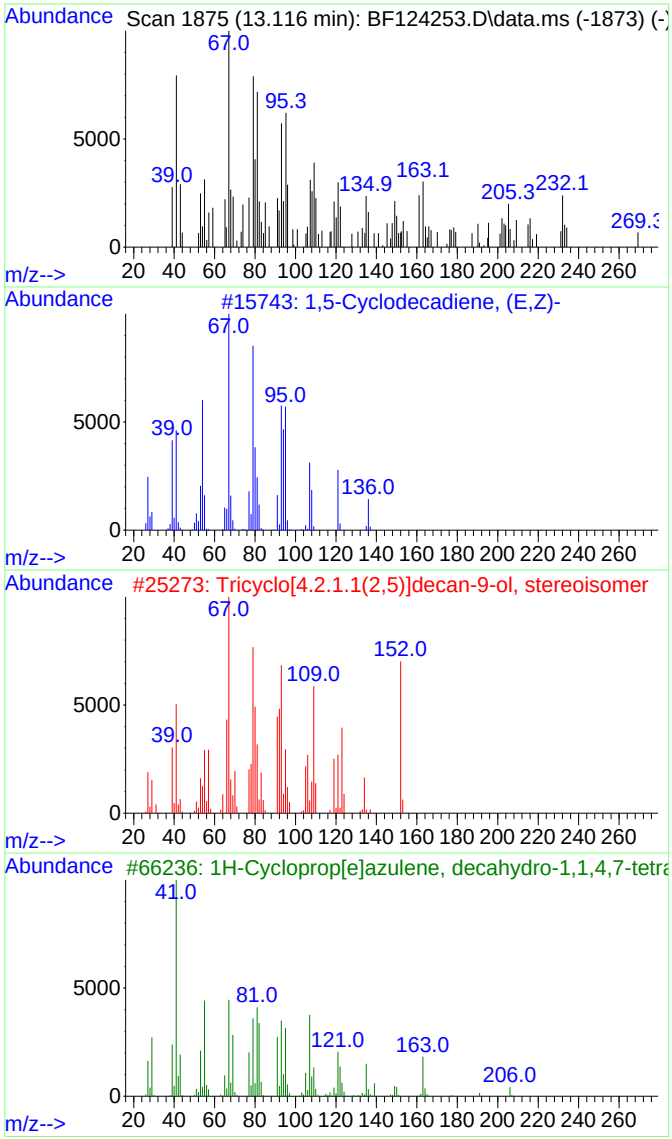
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

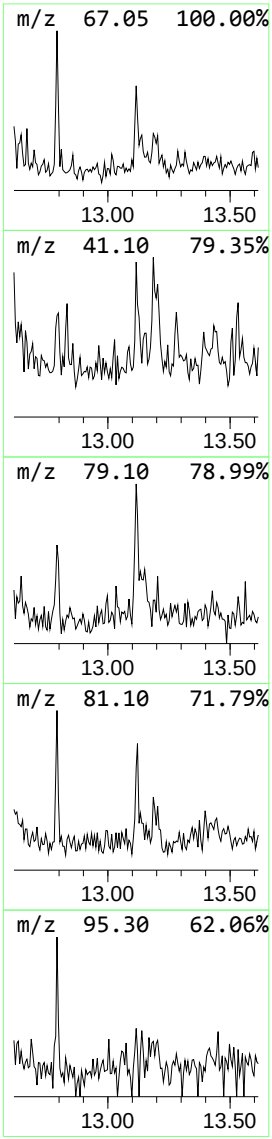
**********

Peak Number 16 1,5-Cyclodecadiene, (E,Z)- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.116 | 3.43 ng | 66614 | Chrysene-d12 | 14.021 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,5-Cyclodecadiene, (E,Z)- | 136 | C10H16 | 001124-78-3 | 83 |
| 2 | Tricyclo[4.2.1.1(2,5)]decan-9-ol... | 152 | C10H16O | 066953-30-8 | 64 |
| 3 | 1H-Cycloprop[e]azulene, decahydr... | 206 | C15H26 | 028580-43-0 | 60 |
| 4 | 7-Methylene-9-oxa-bicyclo[3.3.1]... | 136 | C9H12O | 1000193-85-5 | 53 |
| 5 | Cyclooctene, 3-ethenyl- | 136 | C10H16 | 002213-60-7 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

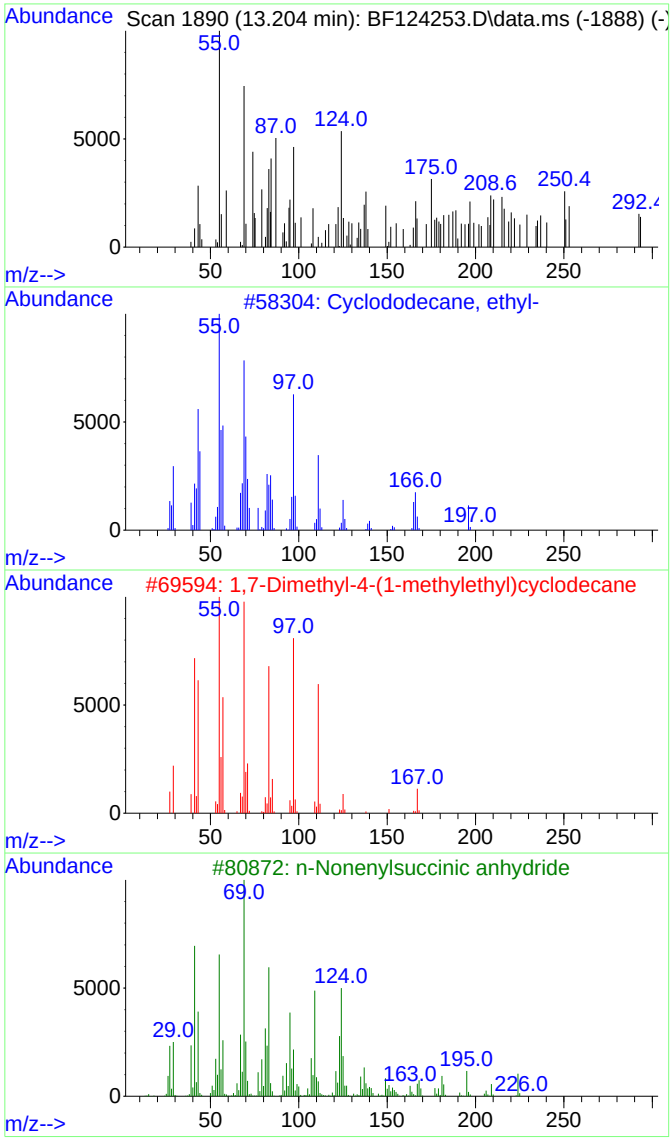
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

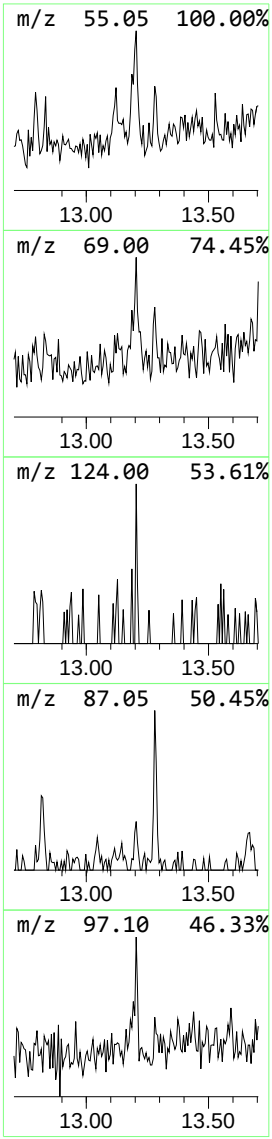
**********

Peak Number 17 unknown13.204 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.204 | 3.99 ng | 77442 | Chrysene-d12 | 14.021 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclododecane, ethyl- | 196 | C14H28 | 028981-49-9 | 30 |
| 2 | 1,7-Dimethyl-4-(1-methylethyl)cy... | 210 | C15H30 | 000645-10-3 | 27 |
| 3 | n-Nonenylsuccinic anhydride | 224 | C13H20O3 | 028928-97-4 | 22 |
| 4 | Butanamide, 3-methyl-2-methylene... | 189 | C12H15NO | 095383-63-4 | 22 |
| 5 | 1,2-Benzenediol, O-cyclobutaneca... | 288 | C17H20O4 | 1000330-45-2 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

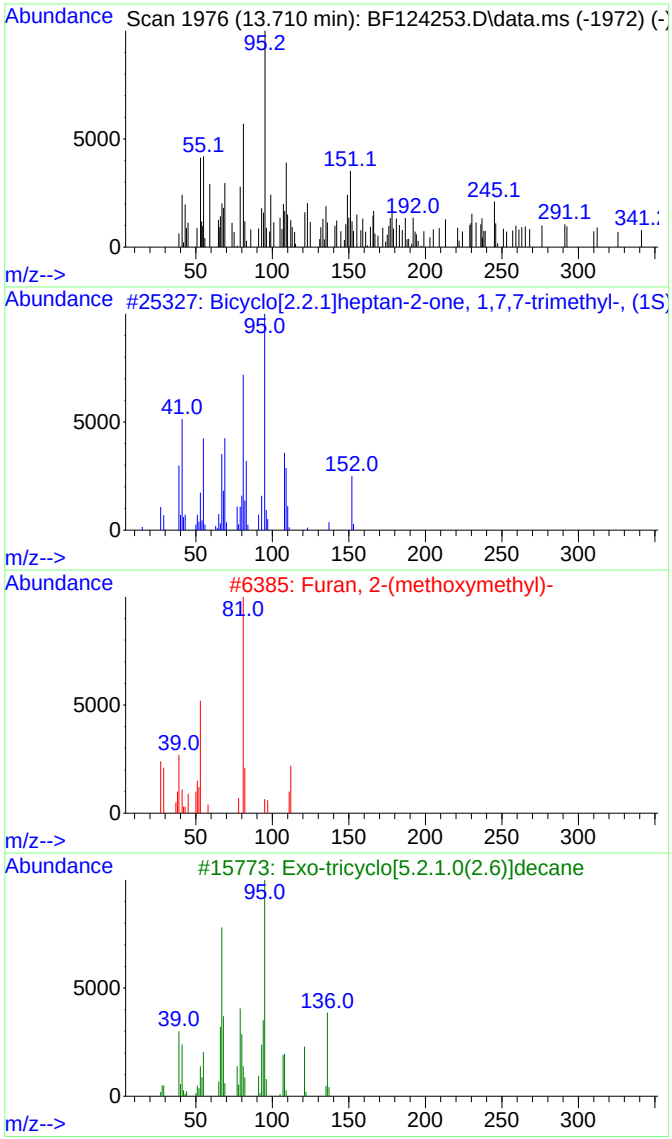
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

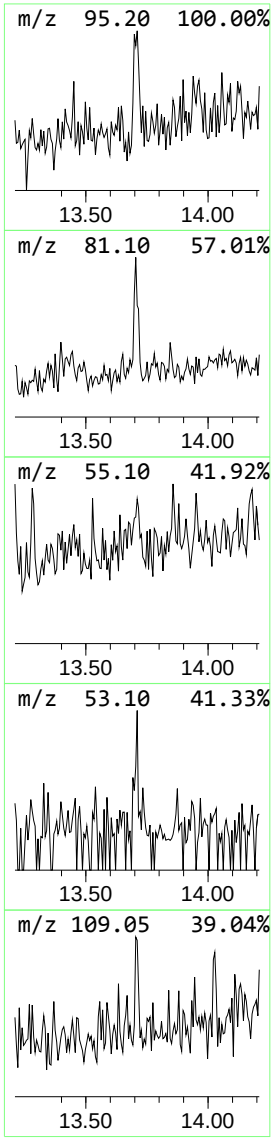
**********

Peak Number 18 unknown13.710 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.710 | 4.03 ng | 78136 | Chrysene-d12 | 14.021 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2 | 35 |
| 2 | Furan, 2-(methoxymethyl)- | 112 | C6H8O2 | 013679-46-4 | 35 |
| 3 | Exo-tricyclo[5.2.1.0(2.6)]decane | 136 | C10H16 | 1000215-28-7 | 25 |
| 4 | Tricyclo[4.3.1.1(3,8)]undecan-3-ol | 166 | C11H18O | 014504-80-4 | 18 |
| 5 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 18 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

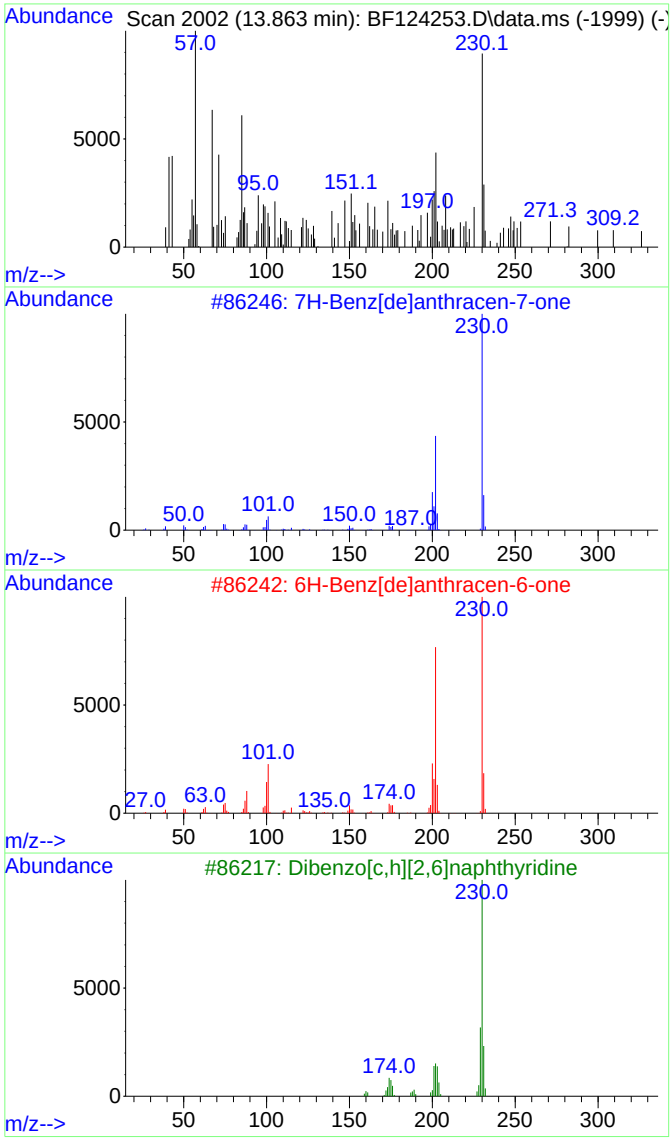
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

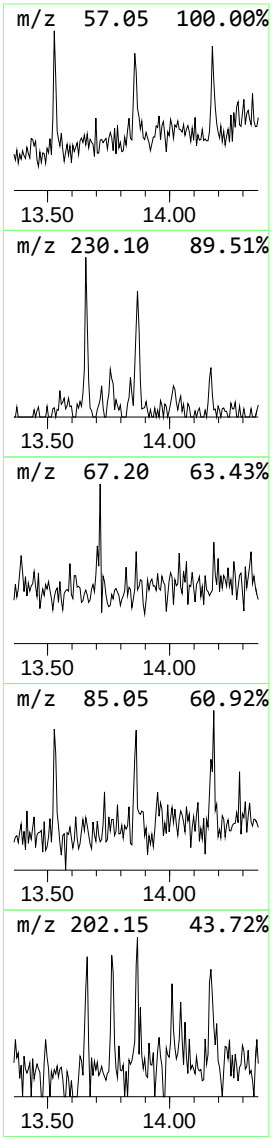
**********

Peak Number 19 unknown13.863 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.863 | 3.75 ng | 72758 | Chrysene-d12 | 14.021 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 43 |
| 2 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 38 |
| 3 | Dibenzo[c,h][2,6]naphthyridine | 230 | C16H10N2 | 000218-30-4 | 32 |
| 4 | 5-(3-Acetylmethylaminopropyliden... | 303 | C21H21NO | 148324-74-7 | 32 |
| 5 | Quinoline, 2-(2-phenylethenyl)- | 231 | C17H13N | 004945-26-0 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-01-060821

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

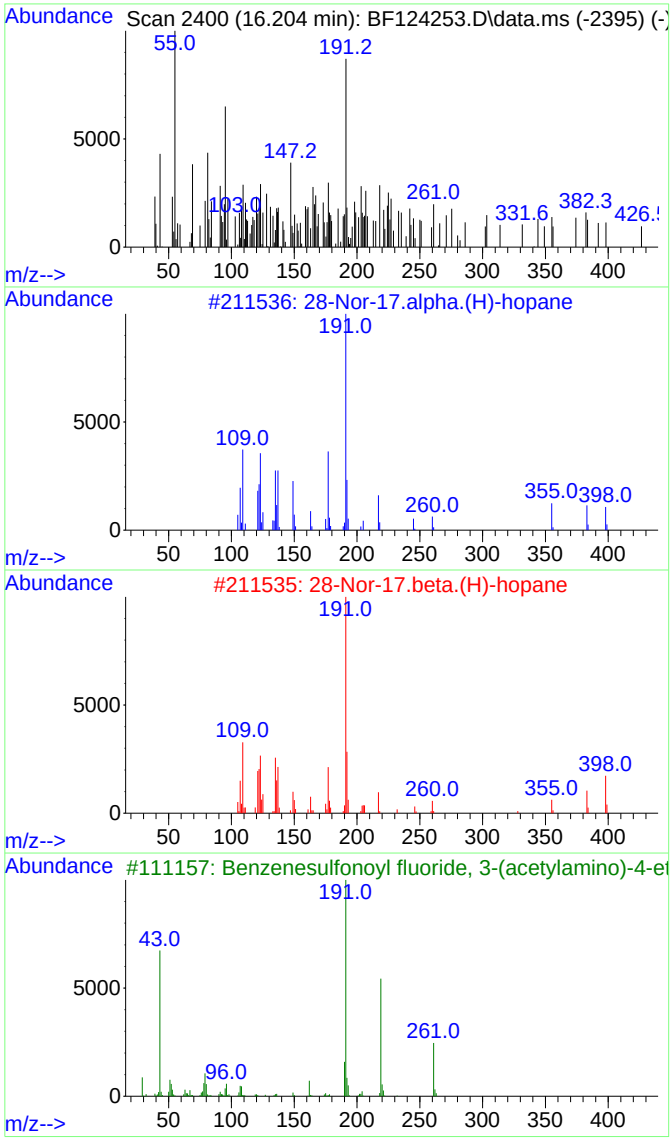
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

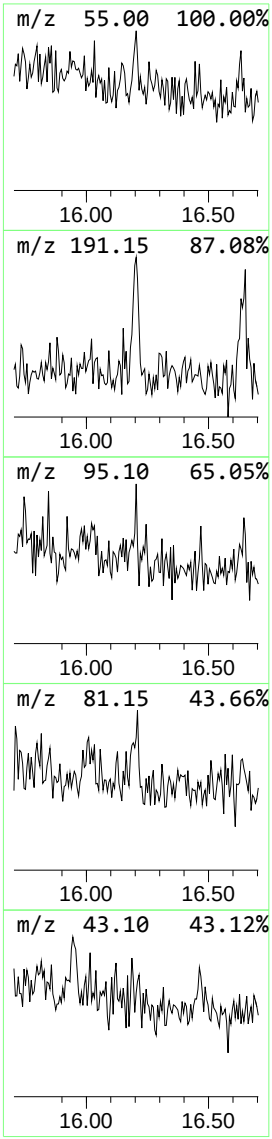
**********

Peak Number 20 unknown16.204 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.204 | 5.48 ng | 69772 | Perylene-d12 | 15.504 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 28-Nor-17.alpha.(H)-hopane | 398 | C29H50 | 053584-60-4 | 49 |
| 2 | 28-Nor-17.beta.(H)-hopane | 398 | C29H50 | 036728-72-0 | 30 |
| 3 | Benzenesulfonoyl fluoride, 3-(ac... | 261 | C10H12FNO4S | 1000319-13-9 | 27 |
| 4 | 7-Hydroxy-2,5,8-quinoline trione | 191 | C9H5NO4 | 015544-54-4 | 25 |
| 5 | 2(3H)-Thiazolone, 4-(4-methylphe... | 191 | C10H9NOS | 1000338-15-1 | 25 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124253.D
Acq On : 11 Jun 2021 2:17
Operator : JU/CG
Sample : M2647-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SU-01-060821

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

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Heptadecane, 2,... | 8.722 | 3.5 | ng | 55059 | 2 | 8.134 | 313187 | 20.0 |
| 1-Iodo-2-methyl... | 9.286 | 5.0 | ng | 79076 | 3 | 9.886 | 312992 | 20.0 |
| Hexadecane | 9.816 | 4.8 | ng | 74678 | 3 | 9.886 | 312992 | 20.0 |
| Heptacosane | 10.316 | 5.3 | ng | 82279 | 3 | 9.886 | 312992 | 20.0 |
| Eicosane | 10.786 | 8.6 | ng | 111204 | 4 | 11.374 | 259015 | 20.0 |
| Undecanoic acid... | 10.892 | 3.6 | ng | 46569 | 4 | 11.374 | 259015 | 20.0 |
| Heptadecane | 11.233 | 5.0 | ng | 65238 | 4 | 11.374 | 259015 | 20.0 |
| Pentadecane | 11.663 | 5.0 | ng | 64583 | 4 | 11.374 | 259015 | 20.0 |
| 9-Hexadecenoic ... | 11.686 | 9.7 | ng | 125810 | 4 | 11.374 | 259015 | 20.0 |
| Hexadecanoic ac... | 11.769 | 107.2 | ng | 1388110 | 4 | 11.374 | 259015 | 20.0 |
| Anthracene, 2-m... | 11.904 | 4.7 | ng | 61421 | 4 | 11.374 | 259015 | 20.0 |
| Heneicosane | 12.069 | 4.4 | ng | 56501 | 4 | 11.374 | 259015 | 20.0 |
| 9,12-Octadecadi... | 12.457 | 197.8 | ng | 2561400 | 4 | 11.374 | 259015 | 20.0 |
| 13-Octadecenoic... | 12.480 | 201.7 | ng | 2612210 | 4 | 11.374 | 259015 | 20.0 |
| 1,5-Cyclodecadi... | 13.116 | 3.4 | ng | 66614 | 5 | 14.021 | 387911 | 20.0 |
| unknown13.204 | 13.204 | 4.0 | ng | 77442 | 5 | 14.021 | 387911 | 20.0 |
| unknown13.710 | 13.710 | 4.0 | ng | 78136 | 5 | 14.021 | 387911 | 20.0 |
| unknown13.863 | 13.863 | 3.8 | ng | 72758 | 5 | 14.021 | 387911 | 20.0 |
| unknown16.204 | 16.204 | 5.5 | ng | 69772 | 6 | 15.504 | 254646 | 20.0 |