LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-07-102722

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130862.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.258 | 23 | 29 | 35 | rVB | 460769 | 601662 | 4.75% | 1.422% |
| 2 | 5.169 | 519 | 524 | 532 | rVB | 409587 | 493240 | 3.90% | 1.166% |
| 3 | 5.557 | 585 | 590 | 593 | rBV | 1788920 | 1766971 | 13.96% | 4.177% |
| 4 | 6.557 | 755 | 760 | 763 | rBV | 1701725 | 1704180 | 13.46% | 4.028% |
| 5 | 6.945 | 822 | 826 | 829 | rVB | 599815 | 476801 | 3.77% | 1.127% |
| 6 | 7.504 | 917 | 921 | 924 | rBV | 1176393 | 1047442 | 8.27% | 2.476% |
| 7 | 8.228 | 1041 | 1044 | 1047 | rVB | 640422 | 489113 | 3.86% | 1.156% |
| 8 | 9.304 | 1223 | 1227 | 1230 | rBV | 1972749 | 1623853 | 12.83% | 3.839% |
| 9 | 9.986 | 1340 | 1343 | 1346 | rVB | 581897 | 457877 | 3.62% | 1.082% |
| 10 | 10.533 | 1433 | 1436 | 1443 | rVB | 135721 | 130179 | 1.03% | 0.308% |
| 11 | 10.775 | 1473 | 1477 | 1481 | rVB | 1054811 | 868050 | 6.86% | 2.052% |
| 12 | 11.480 | 1593 | 1597 | 1599 | rBV | 559288 | 479443 | 3.79% | 1.133% |
| 13 | 11.504 | 1599 | 1601 | 1604 | rVV | 752737 | 568103 | 4.49% | 1.343% |
| 14 | 11.557 | 1606 | 1610 | 1612 | rVB | 214137 | 176681 | 1.40% | 0.418% |
| 15 | 11.869 | 1659 | 1663 | 1666 | rBV | 3480227 | 2986607 | 23.59% | 7.060% |
| 16 | 12.004 | 1683 | 1686 | 1691 | rVB2 | 326044 | 331912 | 2.62% | 0.785% |
| 17 | 12.092 | 1698 | 1701 | 1704 | rBV2 | 177821 | 200133 | 1.58% | 0.473% |
| 18 | 12.574 | 1777 | 1783 | 1785 | rBV | 8894518 | 12658946 | 100.00% | 29.924% |
| 19 | 12.592 | 1785 | 1786 | 1791 | rVV2 | 7138850 | 5908611 | 46.68% | 13.967% |
| 20 | 12.663 | 1795 | 1798 | 1801 | rBV | 1727107 | 1572654 | 12.42% | 3.717% |
| 21 | 12.698 | 1801 | 1804 | 1810 | rVV | 1163919 | 1069639 | 8.45% | 2.528% |
| 22 | 12.933 | 1837 | 1844 | 1847 | rBV2 | 931705 | 1071884 | 8.47% | 2.534% |
| 23 | 13.074 | 1864 | 1868 | 1871 | rVB | 1676037 | 1455254 | 11.50% | 3.440% |
| 24 | 13.145 | 1876 | 1880 | 1884 | rBV2 | 84900 | 158872 | 1.26% | 0.376% |
| 25 | 13.257 | 1896 | 1899 | 1902 | rVB | 242143 | 251979 | 1.99% | 0.596% |
| 26 | 13.322 | 1907 | 1910 | 1913 | rVV2 | 235132 | 289053 | 2.28% | 0.683% |
| 27 | 13.392 | 1919 | 1922 | 1924 | rVB | 170904 | 145762 | 1.15% | 0.345% |
| 28 | 14.063 | 2033 | 2036 | 2039 | rVB | 159467 | 131177 | 1.04% | 0.310% |
| 29 | 14.121 | 2042 | 2046 | 2050 | rVV2 | 698988 | 1017184 | 8.04% | 2.404% |
| 30 | 14.157 | 2050 | 2052 | 2058 | rVB | 452669 | 376957 | 2.98% | 0.891% |
| 31 | 14.227 | 2061 | 2064 | 2069 | rVB2 | 183424 | 220377 | 1.74% | 0.521% |
| 32 | 15.198 | 2225 | 2229 | 2232 | rBV | 298619 | 466455 | 3.68% | 1.103% |
| 33 | 15.515 | 2280 | 2283 | 2289 | rVB | 193984 | 242064 | 1.91% | 0.572% |
| 34 | 15.580 | 2290 | 2294 | 2301 | rVV | 272202 | 366076 | 2.89% | 0.865% |
| 35 | 15.645 | 2302 | 2305 | 2308 | rVV2 | 239551 | 306881 | 2.42% | 0.725% |
| 36 | 15.680 | 2308 | 2311 | 2318 | rVB2 | 142138 | 192035 | 1.52% | 0.454% |

LSC Area Percent Report

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Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

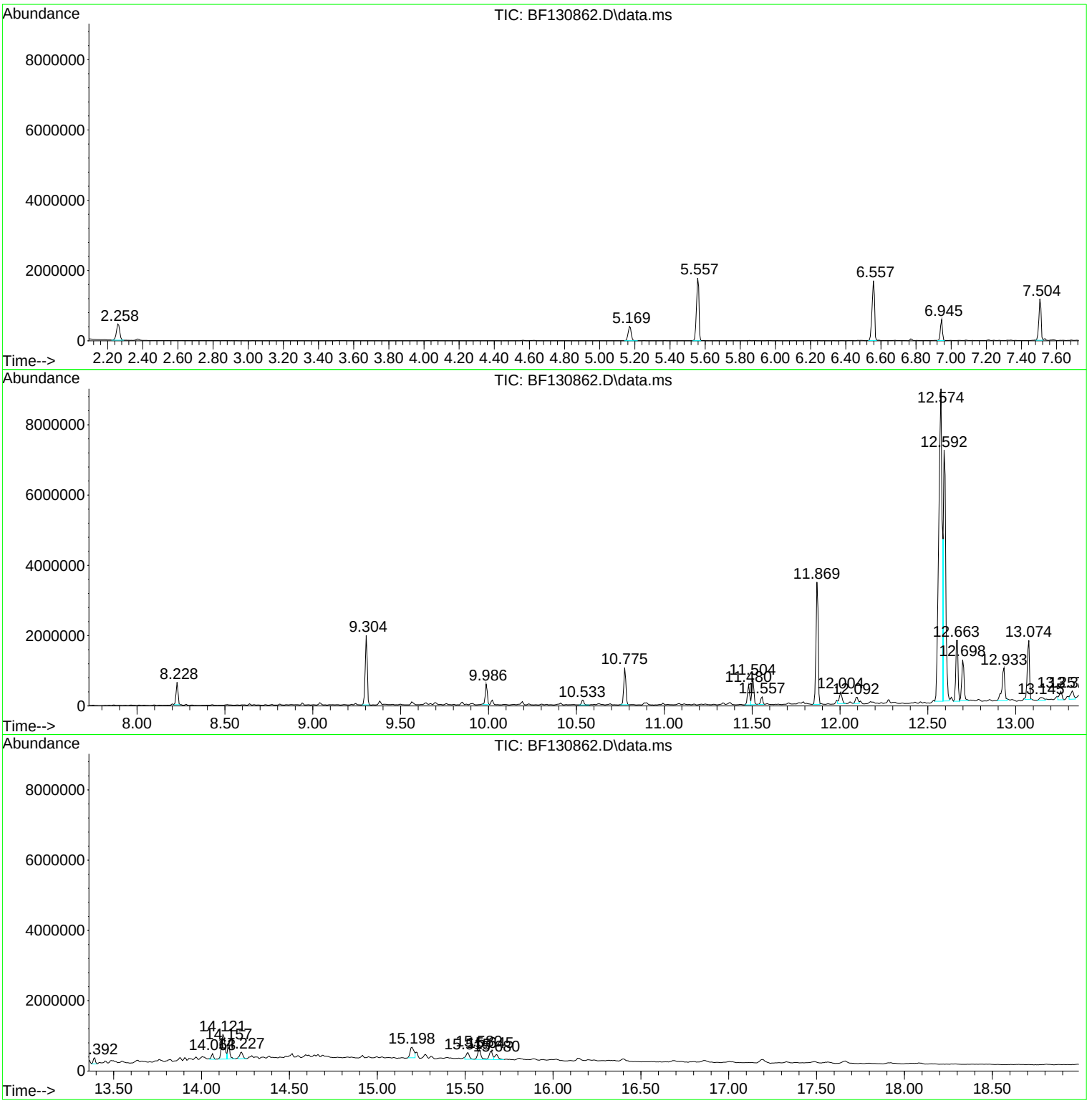
Sum of corrected areas: 42304107

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

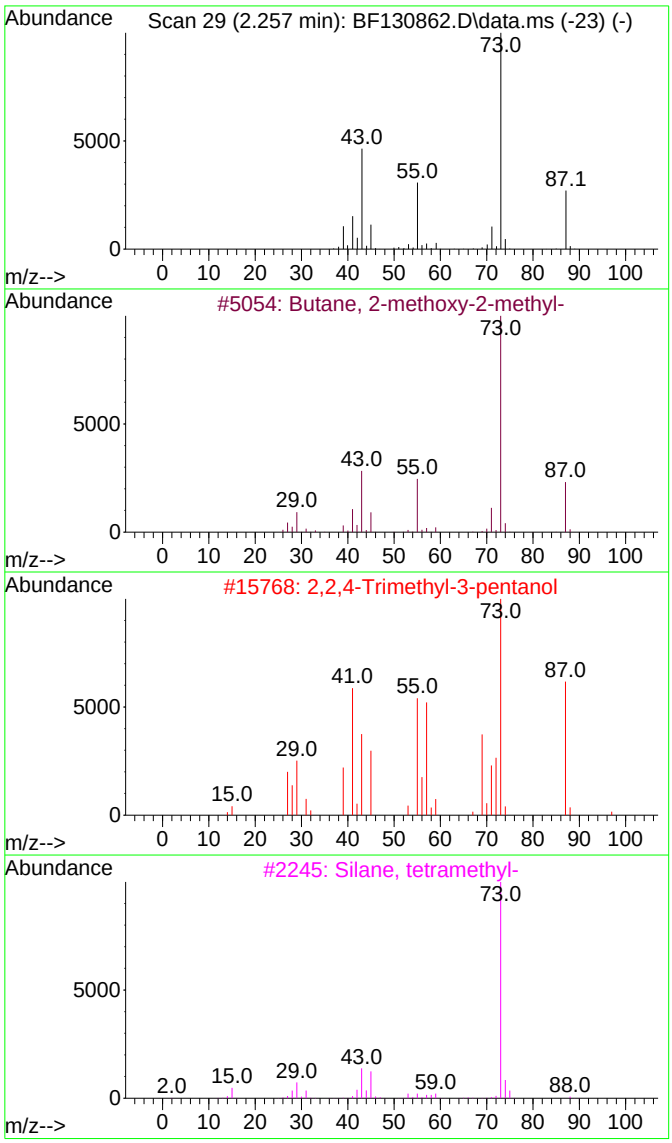
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

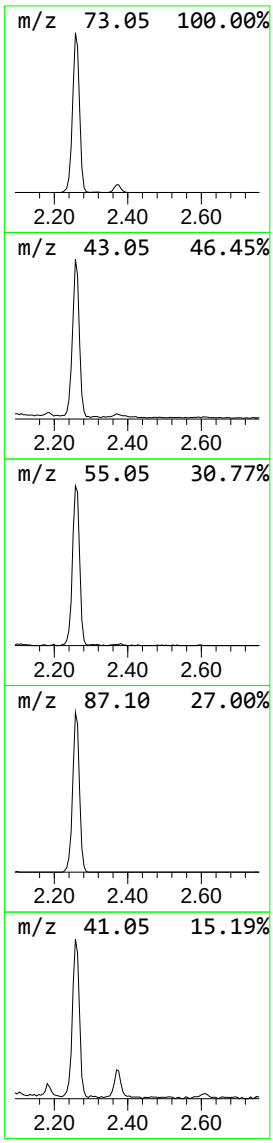
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.257 | 25.24 ng | 601662 | 1,4-Dichlorobenzene-d4 | 6.945 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 43 |
| 3 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 38 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 32 |
| 5 | 1,3-Dioxolane, 2-propyl- | 116 | C6H12O2 | 003390-13-4 | 23 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

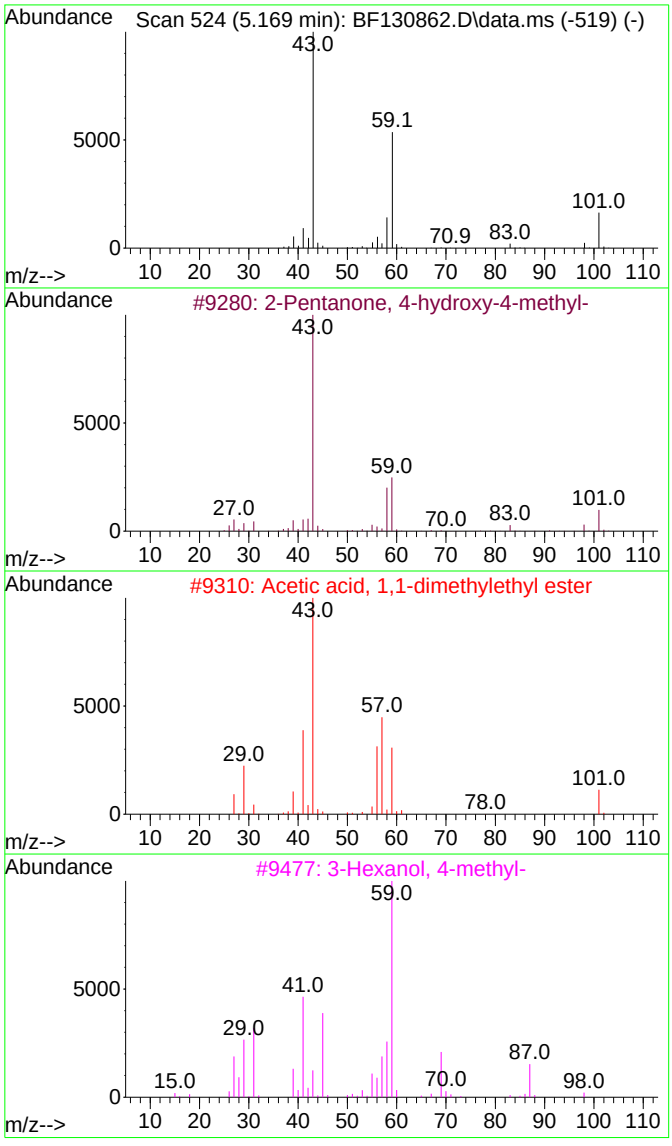
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

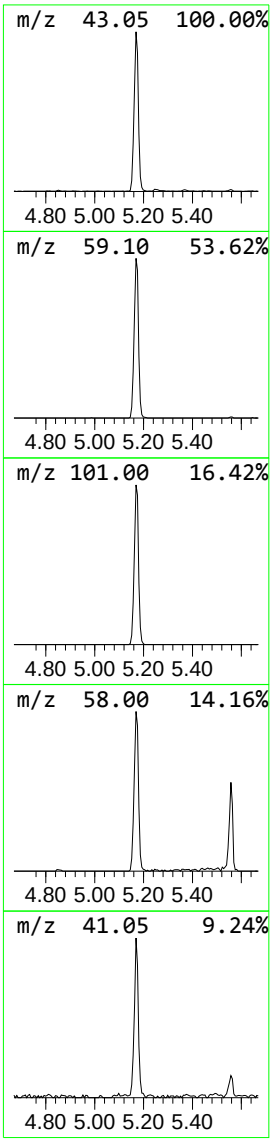
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.169 | 20.69 ng | 493240 | 1,4-Dichlorobenzene-d4 | 6.945 |

| 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, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 4 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 28 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

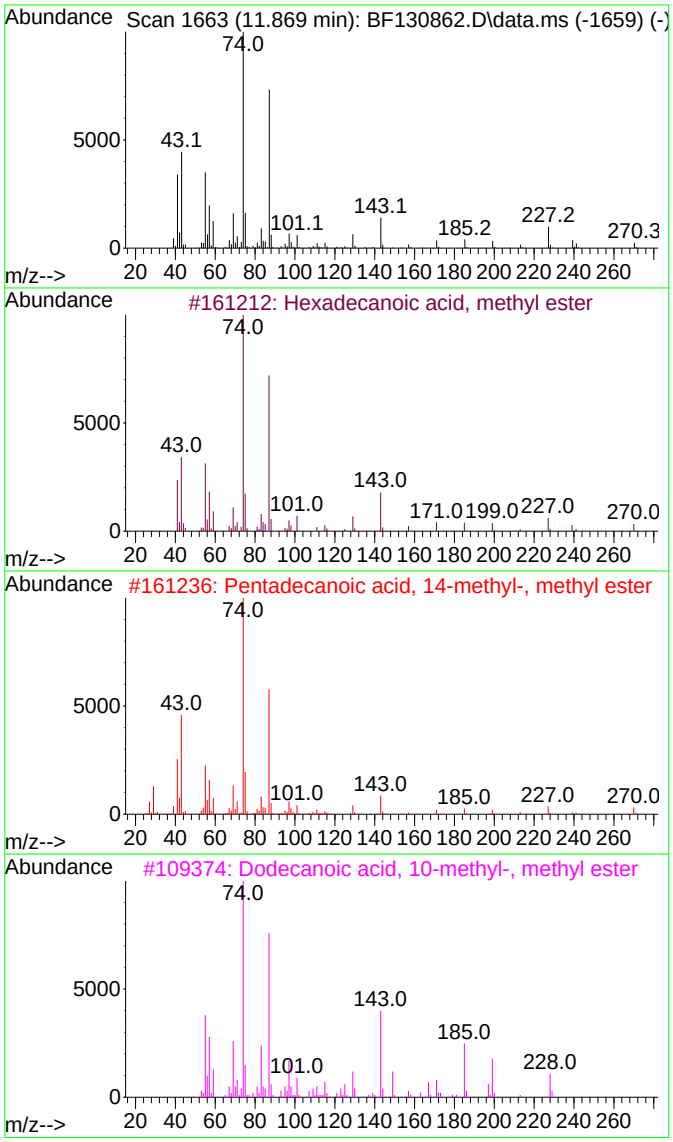
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

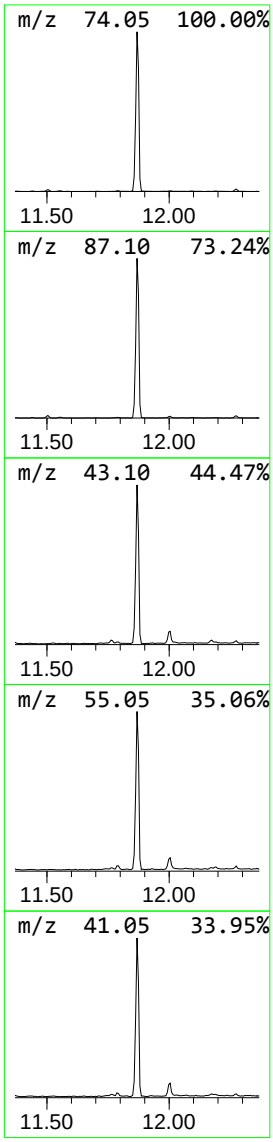
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.869 | 124.59 ng | 2986610 | Phenanthrene-d10 | 11.480 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 98 |
| 2 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 93 |
| 3 | Dodecanoic acid, 10-methyl-, met... | 228 | C14H28O2 | 005129-65-7 | 87 |
| 4 | Methyl 11-methyl-dodecanoate | 228 | C14H28O2 | 1000336-45-1 | 86 |
| 5 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

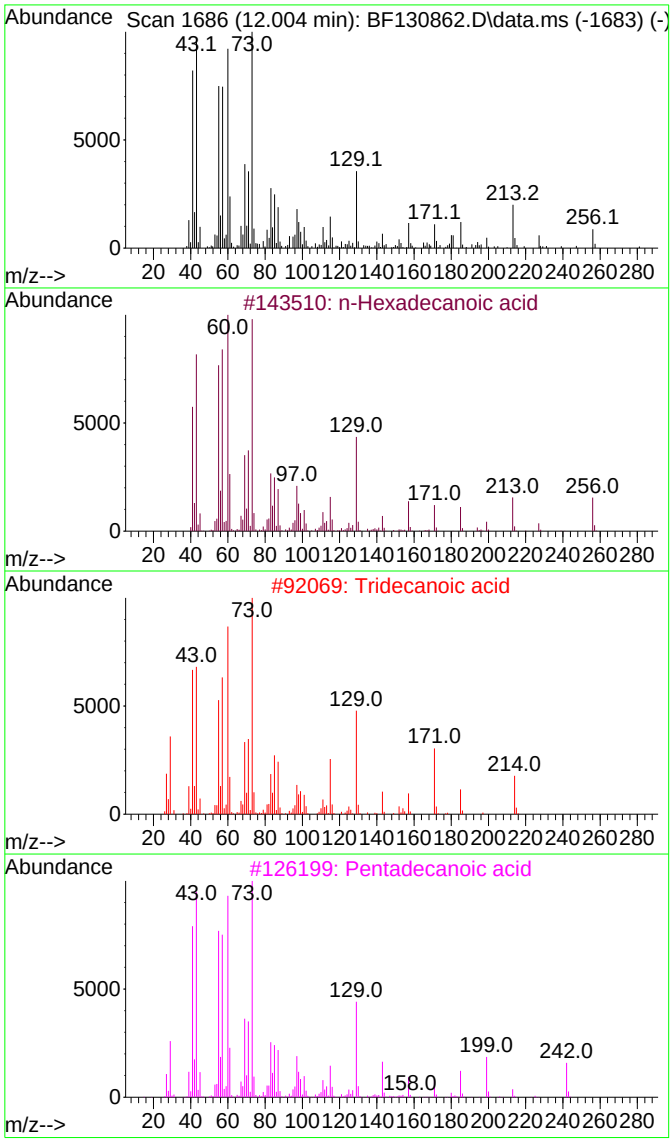
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

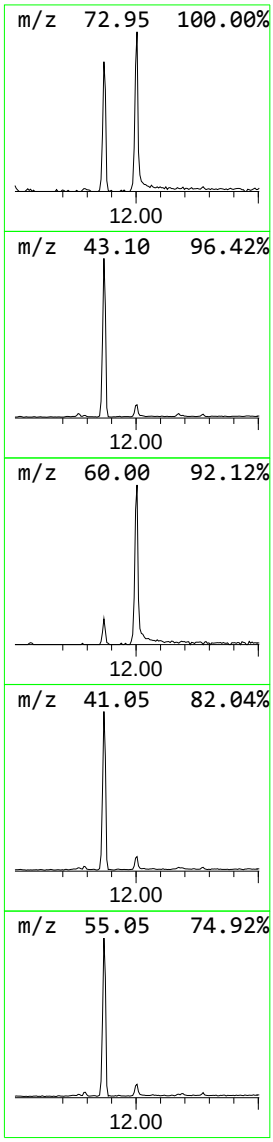
**********

Peak Number 4 n-Hexadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.004 | 13.85 ng | 331912 | Phenanthrene-d10 | 11.480 |

| 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 | 95 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

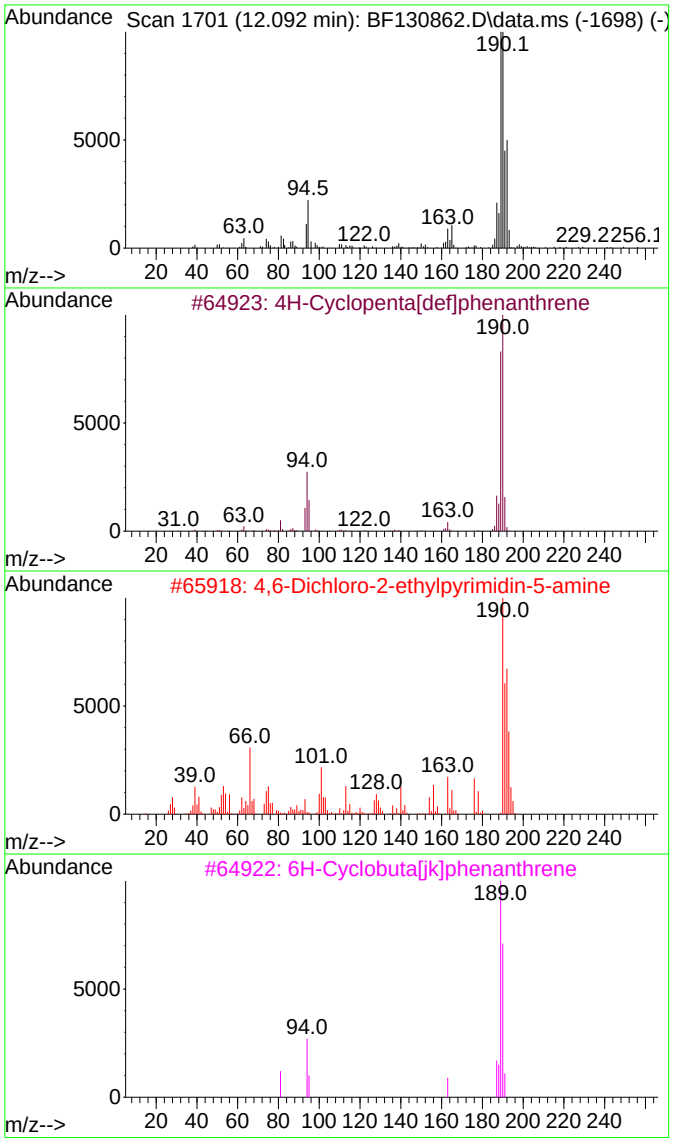
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

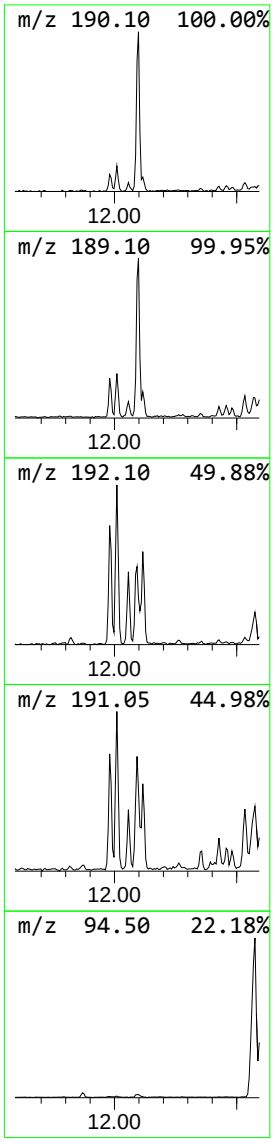
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.092 | 8.35 ng | 200133 | Phenanthrene-d10 | 11.480 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | 4,6-Dichloro-2-ethylpyrimidin-5-... | 191 | C6H7Cl2N3 | 006237-96-3 | 43 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 40 |
| 4 | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 38 |
| 5 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

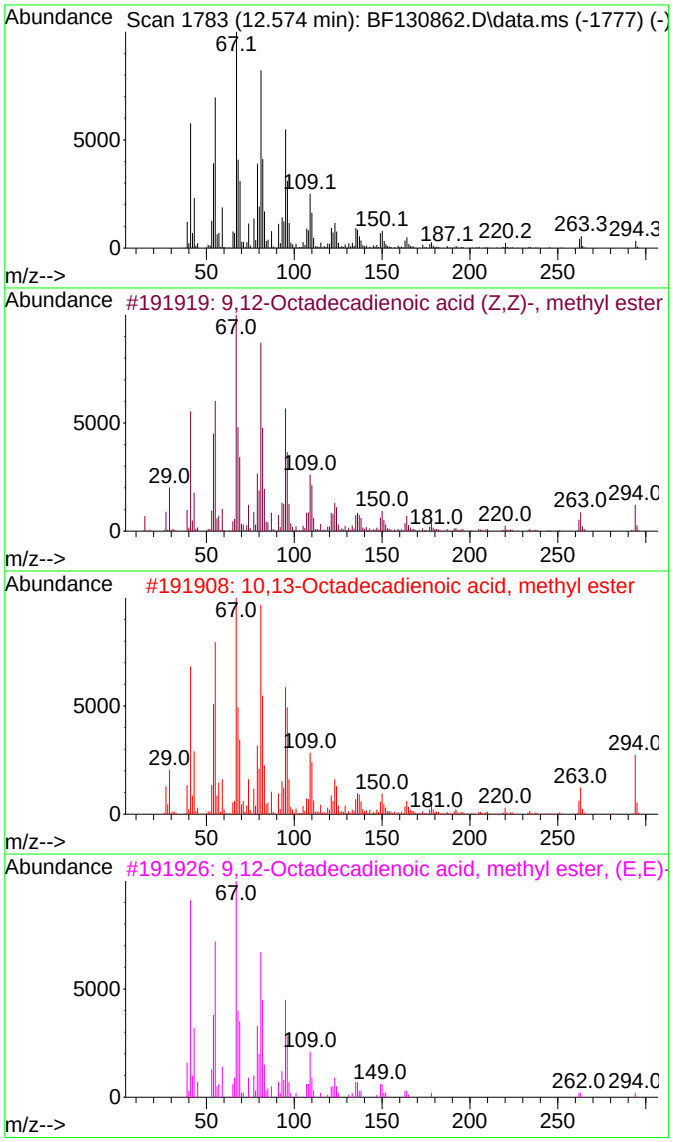
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

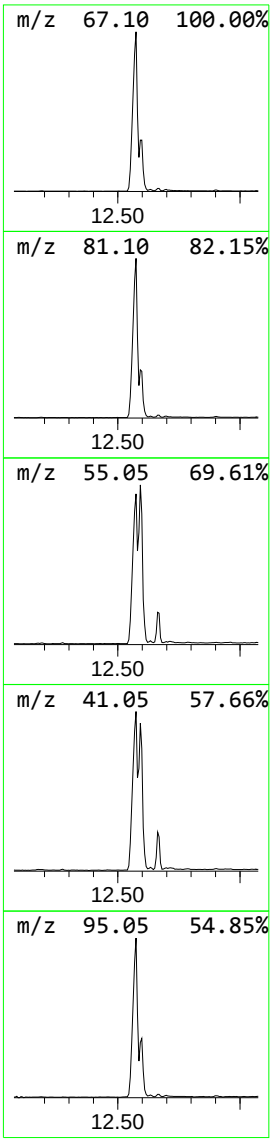
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 9,12-Octadecadienoic acid (... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.575 | 528.07 ng | 12658900 | Phenanthrene-d10 | 11.480 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |
| 2 | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2 | 99 |
| 3 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99 |
| 4 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |
| 5 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |



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Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

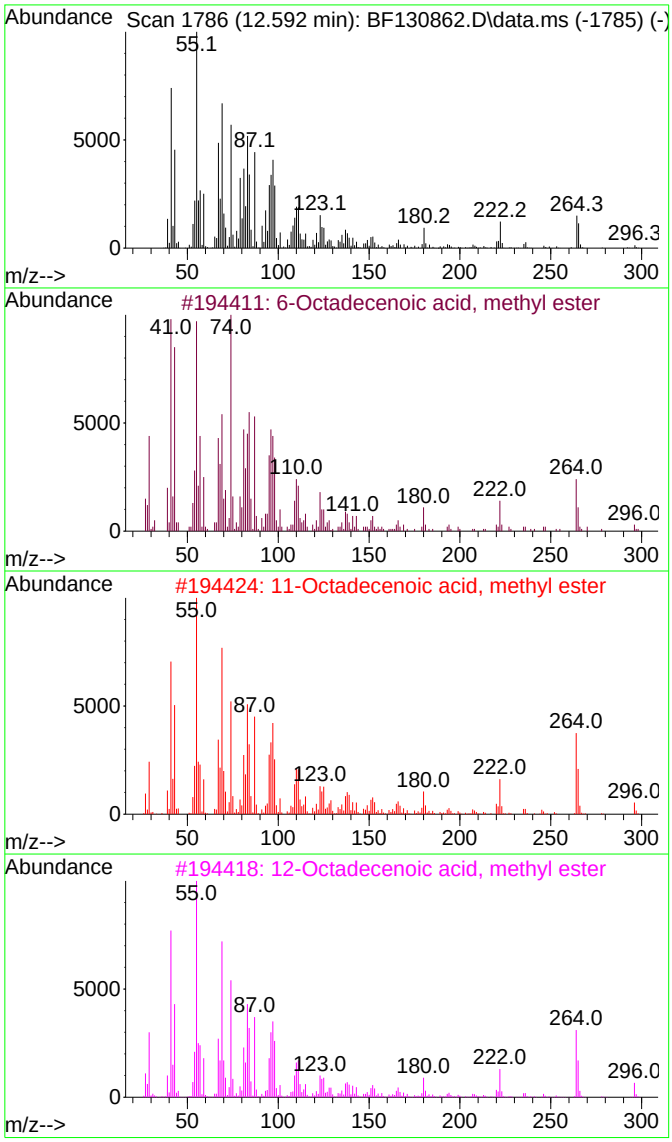
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

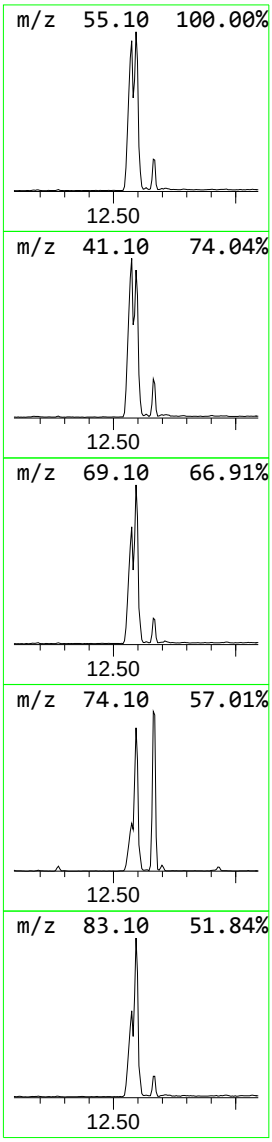
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 6-Octadecenoic acid, methyl... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.592 | 246.48 ng | 5908610 | Phenanthrene-d10 | 11.480 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052355-31-4 | 99 |
| 2 | 11-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052380-33-3 | 99 |
| 3 | 12-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-46-2 | 99 |
| 4 | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 99 |
| 5 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 99 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

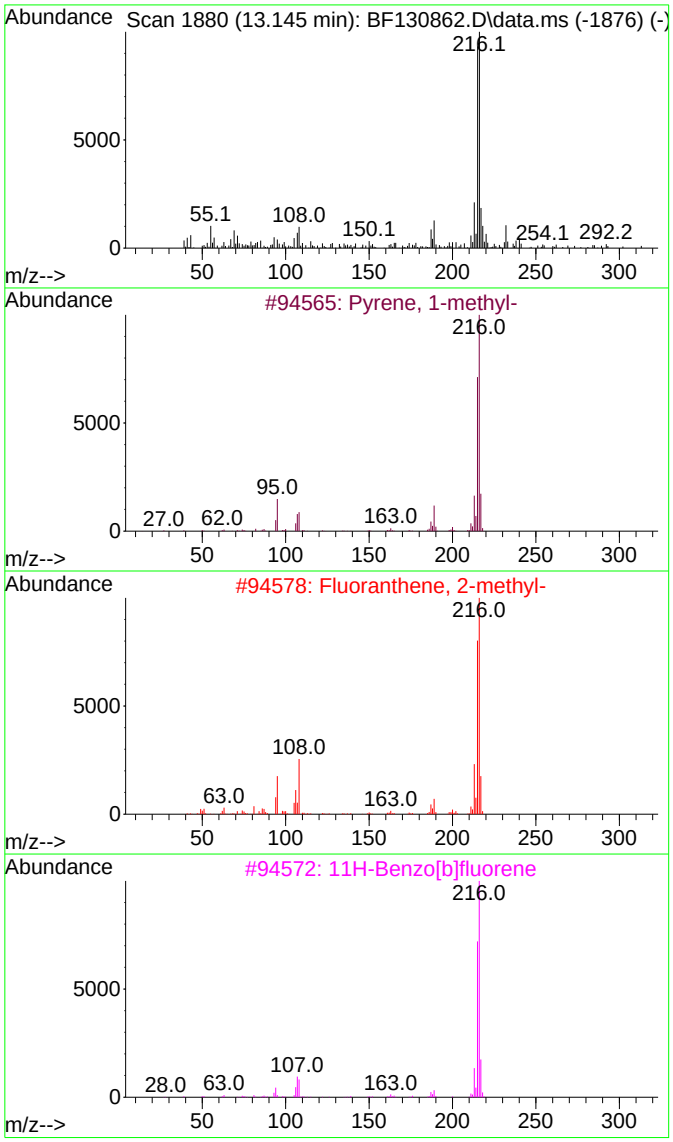
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

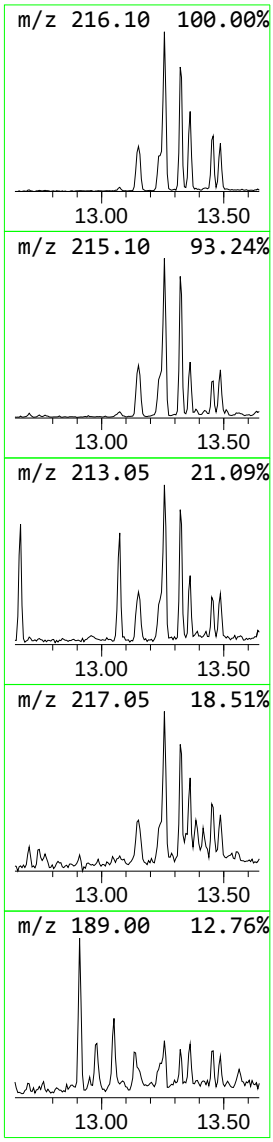
**********

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.145 | 3.12 ng | 158872 | Chrysene-d12 | 14.127 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 89 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 74 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

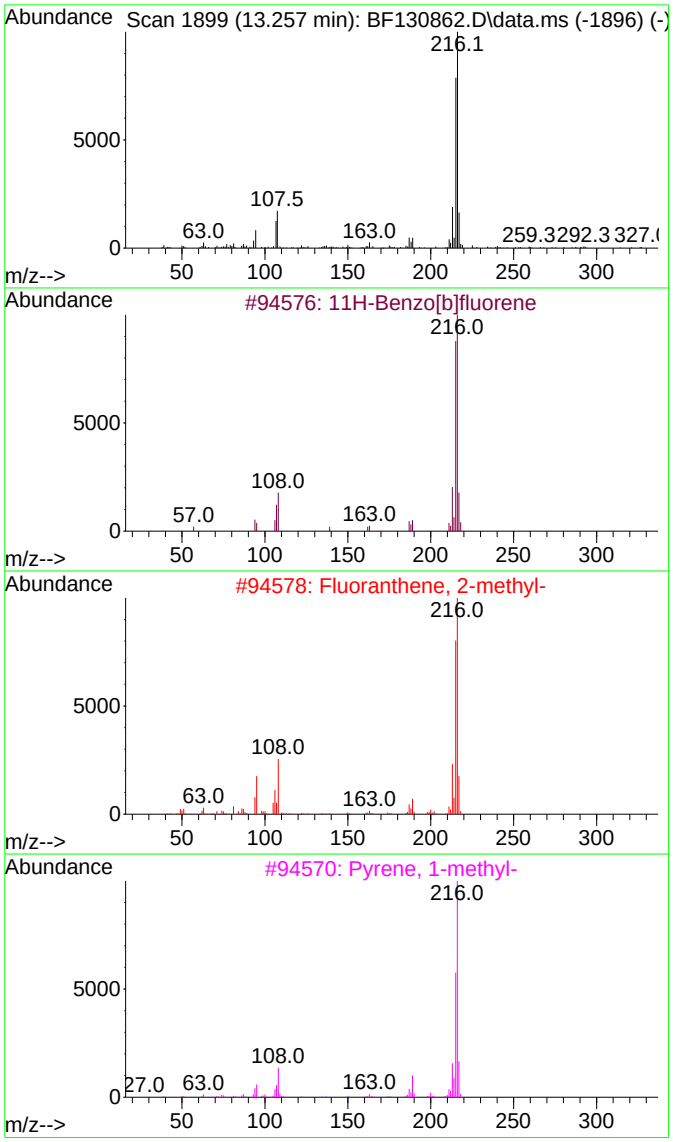
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

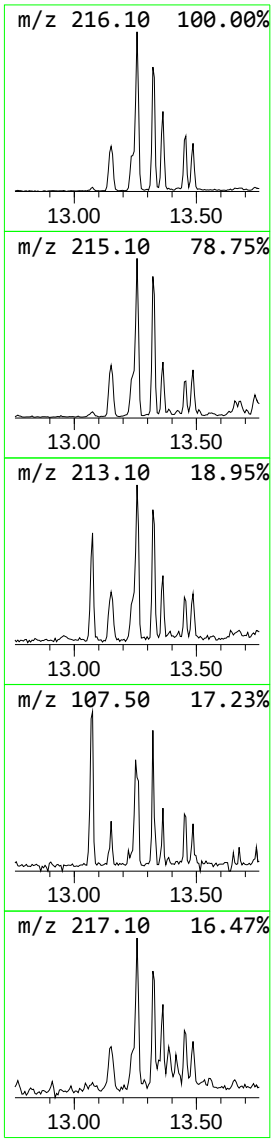
**********

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.257 | 4.95 ng | 251979 | Chrysene-d12 | 14.127 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

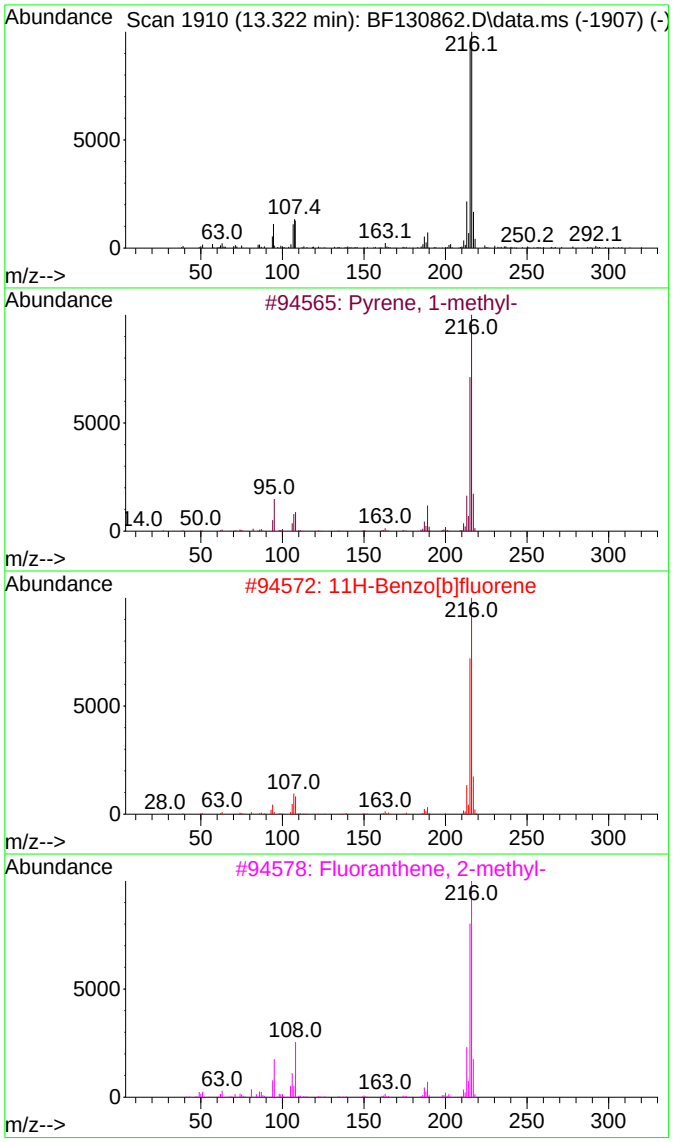
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

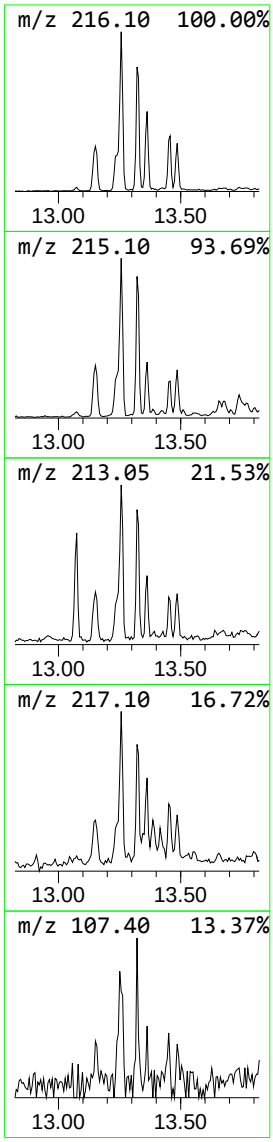
**********

Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.322 | 5.68 ng | 289053 | Chrysene-d12 | 14.127 |

| 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 | 81 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

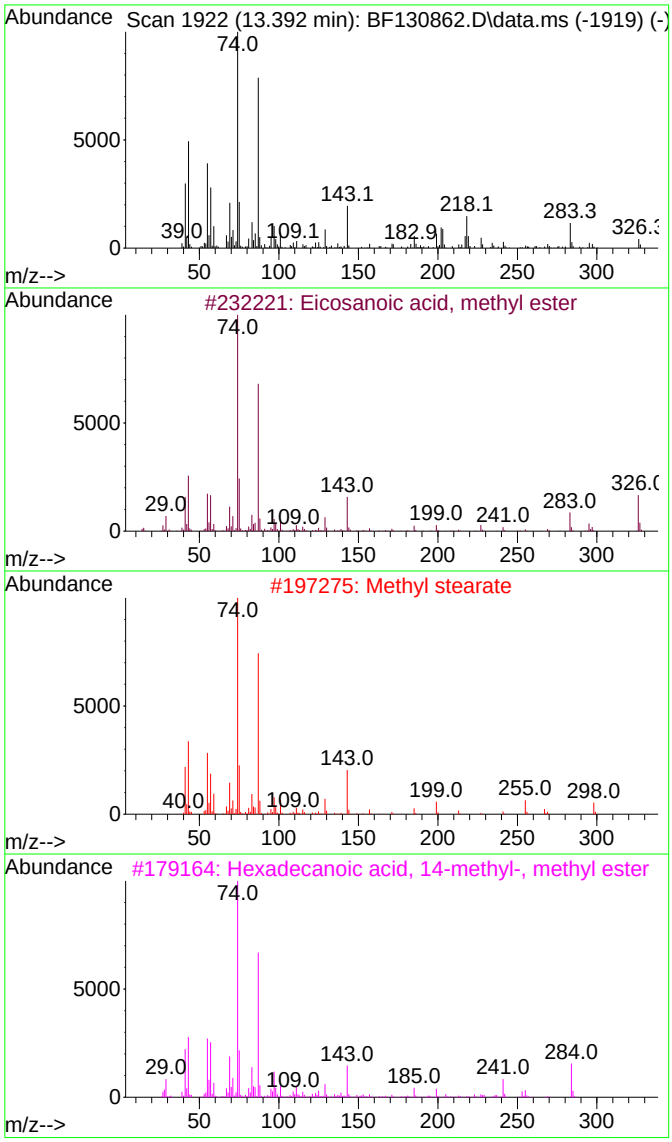
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

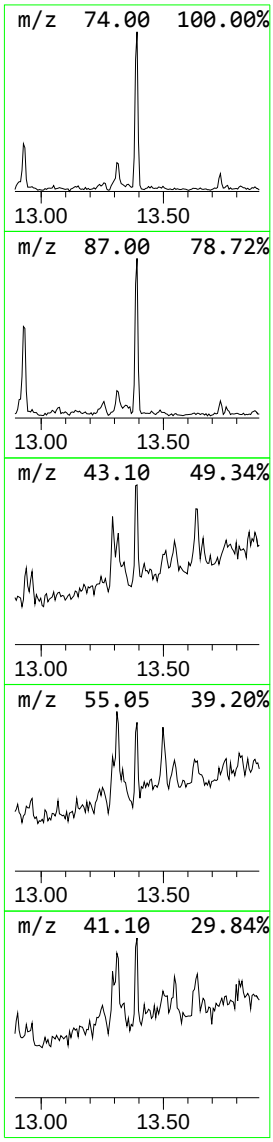
**********

Peak Number 11 Eicosanoic acid, methyl ester Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.392 | 2.87 ng | 145762 | Chrysene-d12 | 14.127 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosanoic acid, methyl ester | 326 | C21H42O2 | 001120-28-1 | 98 |
| 2 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 93 |
| 3 | Hexadecanoic acid, 14-methyl-, m... | 284 | C18H36O2 | 002490-49-5 | 91 |
| 4 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 91 |
| 5 | Hexadecanoic acid, 15-methyl-, m... | 284 | C18H36O2 | 006929-04-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

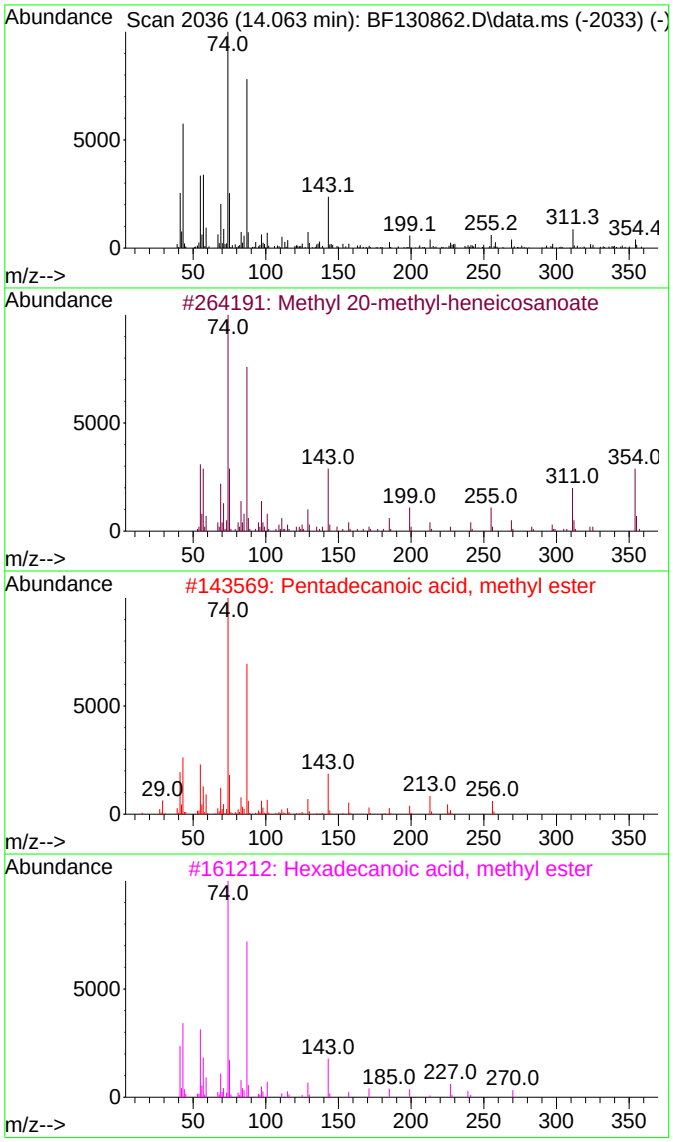
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

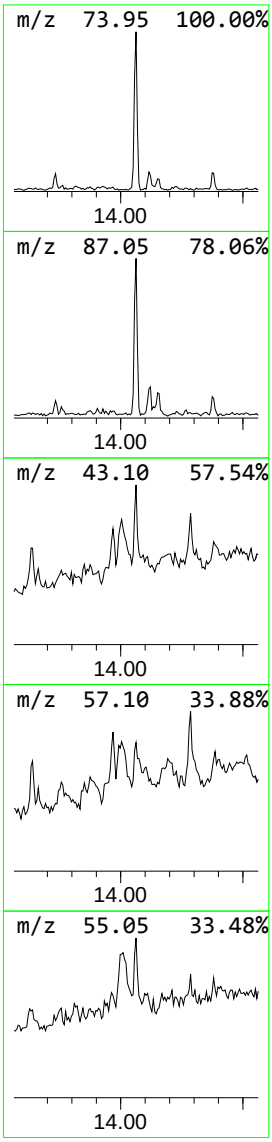
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Methyl 20-methyl-heneicosan... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.063 | 2.58 ng | 131177 | Chrysene-d12 | 14.127 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl 20-methyl-heneicosanoate | 354 | C23H46O2 | 1000336-47-4 | 90 |
| 2 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 86 |
| 3 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 78 |
| 4 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 74 |
| 5 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

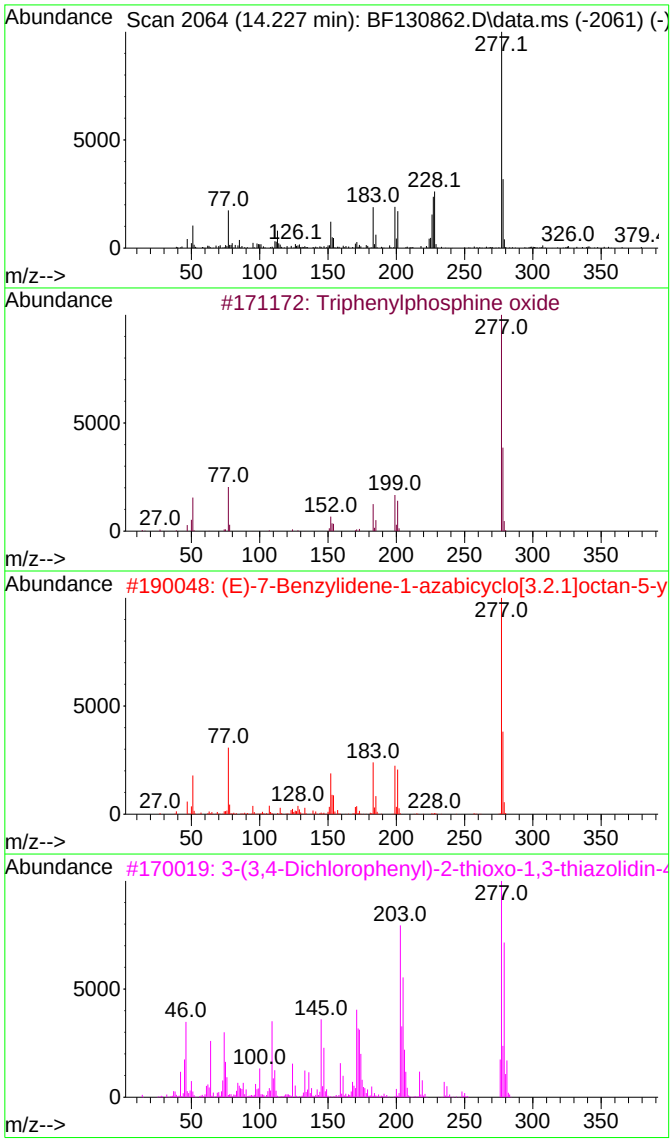
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

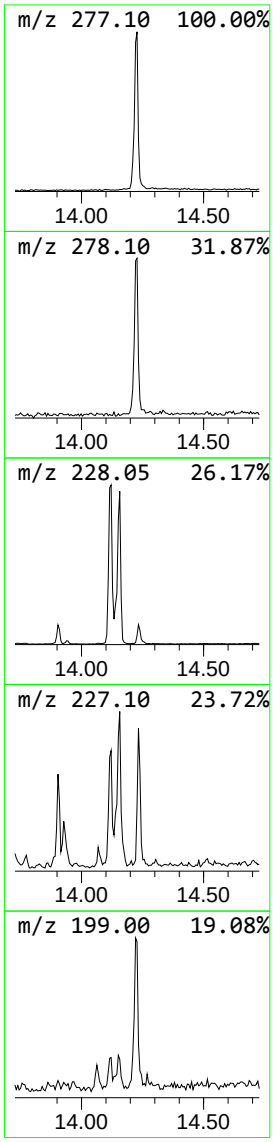
**********

Peak Number 13 Triphenylphosphine oxide Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.227 | 4.33 ng | 220377 | Chrysene-d12 | 14.127 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylphosphine oxide | 278 | C18H15OP | 000791-28-6 | 92 |
| 2 | (E)-7-Benzylidene-1-azabicyclo[3... | 293 | C15H19NO3S | 1000483-83-4 | 58 |
| 3 | 3-(3,4-Dichlorophenyl)-2-thioxo-... | 277 | C9H5Cl2NOS2 | 017046-34-3 | 38 |
| 4 | 5-Methyl-8-phenylfuro[3',2':5,6]... | 277 | C16H11N3O2 | 1000460-07-9 | 35 |
| 5 | (Carbethoxymethyl)-triphenylphos... | 428 | C22H22BrO2P | 001530-45-6 | 28 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

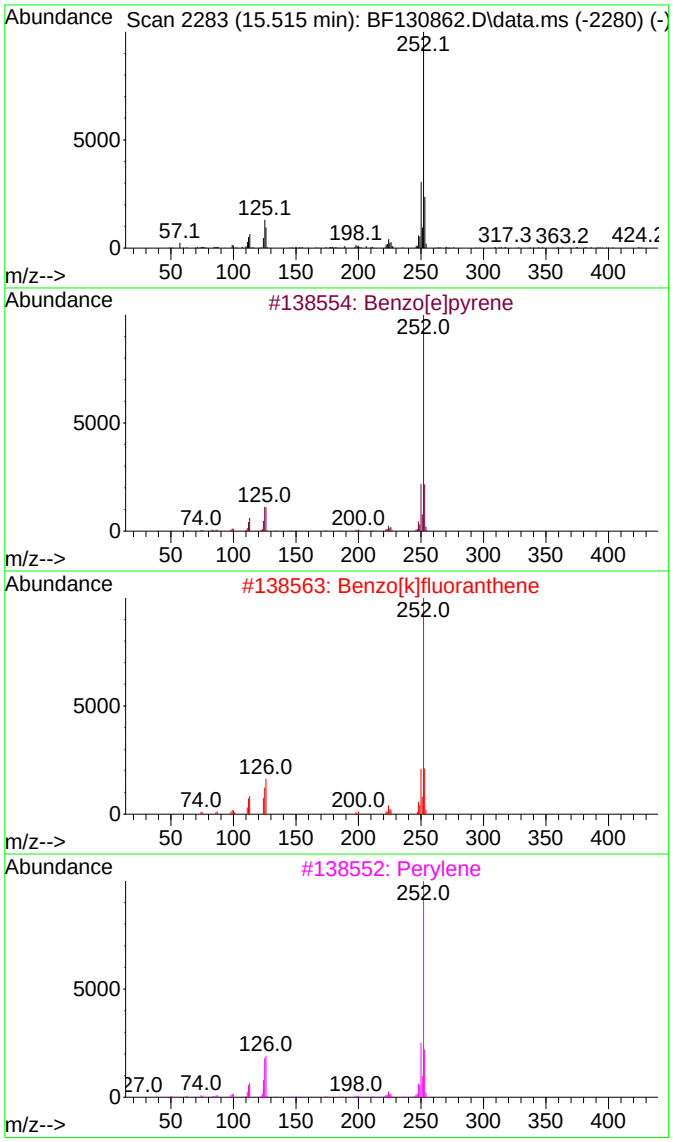
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

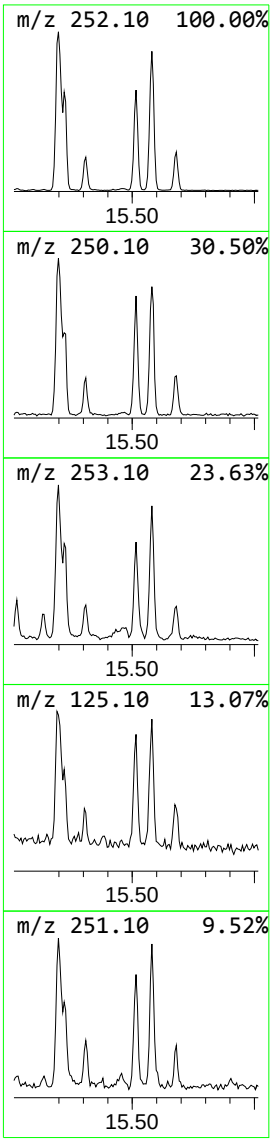
**********

Peak Number 14 Benzo[e]pyrene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.515 | 15.78 ng | 242064 | Perylene-d12 | 15.645 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 97 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 94 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
Acq On : 29 Oct 2022 17:47
Operator : CG\JU
Sample : N5339-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-07-102722

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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... | 2.257 | 25.2 | ng | 601662 | 1 | 6.945 | 476801 | 20.0 |
| 2-Pentanone, 4-... | 5.169 | 20.7 | ng | 493240 | 1 | 6.945 | 476801 | 20.0 |
| Hexadecanoic ac... | 11.869 | 124.6 | ng | 2986610 | 4 | 11.480 | 479443 | 20.0 |
| n-Hexadecanoic ... | 12.004 | 13.9 | ng | 331912 | 4 | 11.480 | 479443 | 20.0 |
| 4H-Cyclopenta[d... | 12.092 | 8.3 | ng | 200133 | 4 | 11.480 | 479443 | 20.0 |
| 9,12-Octadecadi... | 12.575 | 528.1 | ng | 12658900 | 4 | 11.480 | 479443 | 20.0 |
| 6-Octadecenoic ... | 12.592 | 246.5 | ng | 5908610 | 4 | 11.480 | 479443 | 20.0 |
| Pyrene, 1-methyl- | 13.145 | 3.1 | ng | 158872 | 5 | 14.127 | 1017180 | 20.0 |
| 11H-Benzo[b]flu... | 13.257 | 5.0 | ng | 251979 | 5 | 14.127 | 1017180 | 20.0 |
| Fluoranthene, 2... | 13.322 | 5.7 | ng | 289053 | 5 | 14.127 | 1017180 | 20.0 |
| Eicosanoic acid... | 13.392 | 2.9 | ng | 145762 | 5 | 14.127 | 1017180 | 20.0 |
| Methyl 20-methy... | 14.063 | 2.6 | ng | 131177 | 5 | 14.127 | 1017180 | 20.0 |
| Triphenylphosph... | 14.227 | 4.3 | ng | 220377 | 5 | 14.127 | 1017180 | 20.0 |
| Benzo[e]pyrene | 15.515 | 15.8 | ng | 242064 | 6 | 15.645 | 306881 | 20.0 |