LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125217.D
Acq On : 25 Aug 2021 19:14
Operator : JU/CG
Sample : M3467-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-10-(410.75)

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125217.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.216 | 16 | 22 | 28 | rBV | 985684 | 1220084 | 28.48% | 3.069% |
| 2 | 5.140 | 511 | 519 | 526 | rBV | 126696 | 158289 | 3.69% | 0.398% |
| 3 | 5.534 | 581 | 586 | 589 | rBV | 4628796 | 4284296 | 100.00% | 10.777% |
| 4 | 6.534 | 751 | 756 | 760 | rBV | 3874925 | 4216216 | 98.41% | 10.605% |
| 5 | 6.916 | 817 | 821 | 824 | rBV | 1626632 | 1315589 | 30.71% | 3.309% |
| 6 | 7.475 | 911 | 916 | 919 | rBV | 3236193 | 2742429 | 64.01% | 6.898% |
| 7 | 8.092 | 1018 | 1021 | 1035 | rBV | 358866 | 605855 | 14.14% | 1.524% |
| 8 | 8.198 | 1035 | 1039 | 1042 | rBV | 1899951 | 1647695 | 38.46% | 4.145% |
| 9 | 9.269 | 1217 | 1221 | 1224 | rBV | 4792418 | 3995403 | 93.26% | 10.050% |
| 10 | 9.951 | 1333 | 1337 | 1340 | rBV | 2013354 | 1709919 | 39.91% | 4.301% |
| 11 | 10.733 | 1467 | 1470 | 1474 | rBV | 2593209 | 2481831 | 57.93% | 6.243% |
| 12 | 11.433 | 1586 | 1589 | 1592 | rBV | 1578200 | 1545216 | 36.07% | 3.887% |
| 13 | 11.457 | 1592 | 1593 | 1597 | rVV | 408847 | 311356 | 7.27% | 0.783% |
| 14 | 11.510 | 1600 | 1602 | 1605 | rVB | 130075 | 100725 | 2.35% | 0.253% |
| 15 | 11.663 | 1622 | 1628 | 1634 | rBV3 | 46482 | 64961 | 1.52% | 0.163% |
| 16 | 11.951 | 1669 | 1677 | 1682 | rBV2 | 285409 | 405117 | 9.46% | 1.019% |
| 17 | 12.051 | 1690 | 1694 | 1696 | rBV | 103344 | 109904 | 2.57% | 0.276% |
| 18 | 12.486 | 1762 | 1768 | 1771 | rBV2 | 54169 | 65420 | 1.53% | 0.165% |
| 19 | 12.569 | 1780 | 1782 | 1788 | rVB2 | 51992 | 64092 | 1.50% | 0.161% |
| 20 | 12.651 | 1792 | 1796 | 1800 | rVB | 955233 | 820504 | 19.15% | 2.064% |
| 21 | 12.739 | 1808 | 1811 | 1814 | rBV2 | 114658 | 101692 | 2.37% | 0.256% |
| 22 | 12.880 | 1829 | 1835 | 1838 | rBV | 795741 | 829290 | 19.36% | 2.086% |
| 23 | 12.927 | 1840 | 1843 | 1849 | rVB3 | 52395 | 69363 | 1.62% | 0.174% |
| 24 | 13.022 | 1855 | 1859 | 1862 | rBV | 3332552 | 2875949 | 67.13% | 7.234% |
| 25 | 13.092 | 1867 | 1871 | 1875 | rBV4 | 63051 | 104457 | 2.44% | 0.263% |
| 26 | 13.204 | 1888 | 1890 | 1893 | rVB | 112391 | 96685 | 2.26% | 0.243% |
| 27 | 13.274 | 1899 | 1902 | 1904 | rVB | 54272 | 48464 | 1.13% | 0.122% |
| 28 | 13.310 | 1904 | 1908 | 1911 | rBV2 | 96561 | 100471 | 2.35% | 0.253% |
| 29 | 13.433 | 1926 | 1929 | 1933 | rBV2 | 51677 | 63460 | 1.48% | 0.160% |
| 30 | 13.710 | 1973 | 1976 | 1981 | rBV | 107803 | 114870 | 2.68% | 0.289% |
| 31 | 13.827 | 1992 | 1996 | 1998 | rVB2 | 72477 | 81416 | 1.90% | 0.205% |
| 32 | 13.857 | 1998 | 2001 | 2002 | rBV | 72108 | 57361 | 1.34% | 0.144% |
| 33 | 13.874 | 2002 | 2004 | 2008 | rVB3 | 68584 | 72123 | 1.68% | 0.181% |
| 34 | 13.916 | 2008 | 2011 | 2013 | rBV2 | 109802 | 98365 | 2.30% | 0.247% |
| 35 | 13.939 | 2013 | 2015 | 2018 | rVV | 77616 | 62162 | 1.45% | 0.156% |
| 36 | 14.074 | 2030 | 2038 | 2041 | rBV2 | 1548704 | 1944177 | 45.38% | 4.890% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125217.D
Acq On : 25 Aug 2021 19:14
Operator : JU/CG
Sample : M3467-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-10-(410.75)

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 14.104 | 2041 | 2043 | 2049 | rVB | 458341 | 439627 | 10.26% | 1.106% |
| 38 | 14.180 | 2054 | 2056 | 2059 | rBV | 60723 | 46705 | 1.09% | 0.117% |
| 39 | 14.463 | 2102 | 2104 | 2106 | rVB | 82283 | 60784 | 1.42% | 0.153% |
| 40 | 14.498 | 2107 | 2110 | 2114 | rVB2 | 69823 | 66993 | 1.56% | 0.169% |
| 41 | 14.539 | 2114 | 2117 | 2123 | rBV3 | 123484 | 163627 | 3.82% | 0.412% |
| 42 | 14.586 | 2123 | 2125 | 2128 | rBV3 | 46654 | 57971 | 1.35% | 0.146% |
| 43 | 15.133 | 2213 | 2218 | 2221 | rBV | 471174 | 773218 | 18.05% | 1.945% |
| 44 | 15.204 | 2226 | 2230 | 2234 | rVV2 | 309169 | 385274 | 8.99% | 0.969% |
| 45 | 15.239 | 2234 | 2236 | 2242 | rVB | 101219 | 118336 | 2.76% | 0.298% |
| 46 | 15.445 | 2267 | 2271 | 2277 | rVB | 285280 | 377771 | 8.82% | 0.950% |
| 47 | 15.504 | 2277 | 2281 | 2287 | rVB | 327050 | 390483 | 9.11% | 0.982% |
| 48 | 15.574 | 2288 | 2293 | 2297 | rBV | 1205464 | 1557913 | 36.36% | 3.919% |
| 49 | 16.051 | 2370 | 2374 | 2382 | rVB | 128998 | 205591 | 4.80% | 0.517% |
| 50 | 17.080 | 2543 | 2549 | 2556 | rVB2 | 147226 | 303866 | 7.09% | 0.764% |
| 51 | 17.533 | 2622 | 2626 | 2636 | rVB | 110642 | 221820 | 5.18% | 0.558% |

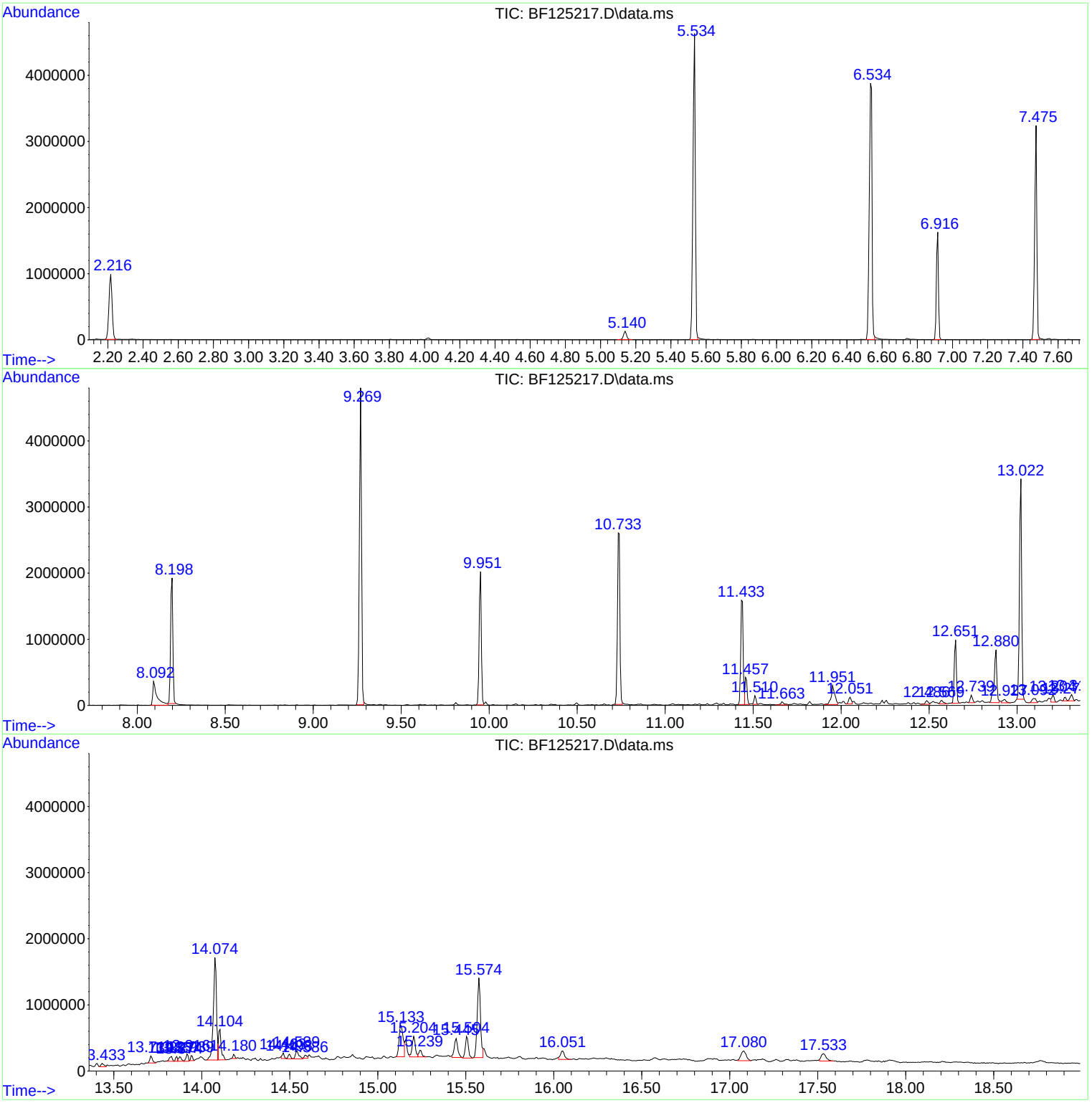
Sum of corrected areas: 39755185

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125217.D
Acq On : 25 Aug 2021 19:14
Operator : JU/CG
Sample : M3467-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-10-(410.75)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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\BF082521\
Data File : BF125217.D
Acq On : 25 Aug 2021 19:14
Operator : JU/CG
Sample : M3467-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-10-(410.75)

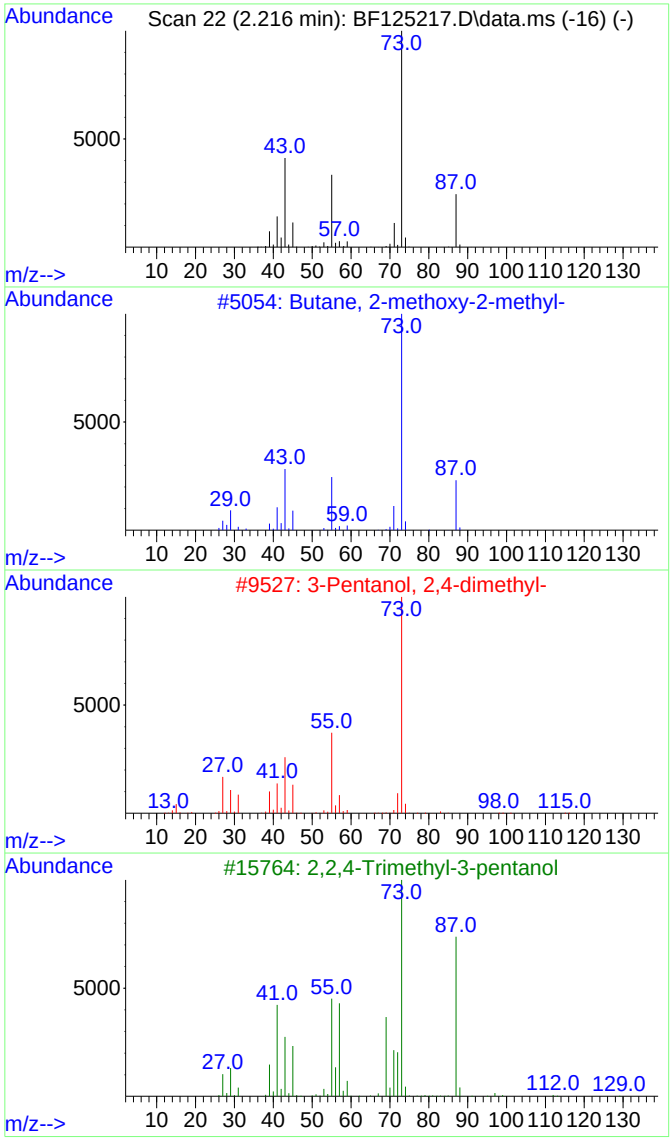
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

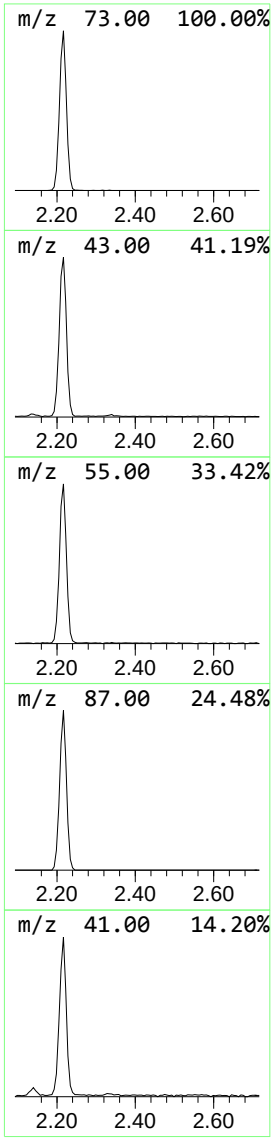
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.216 | 18.55 ng | 1220080 | 1,4-Dichlorobenzene-d4 | 6.916 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 43 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 35 |
| 5 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125217.D
Acq On : 25 Aug 2021 19:14
Operator : JU/CG
Sample : M3467-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-10-(410.75)

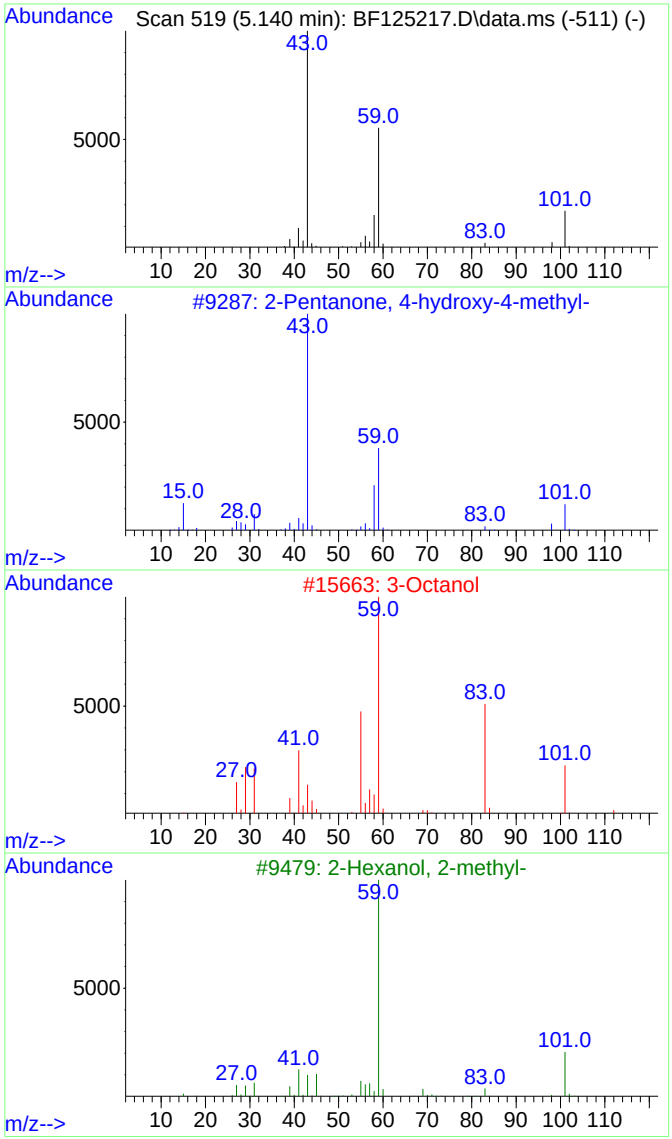
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

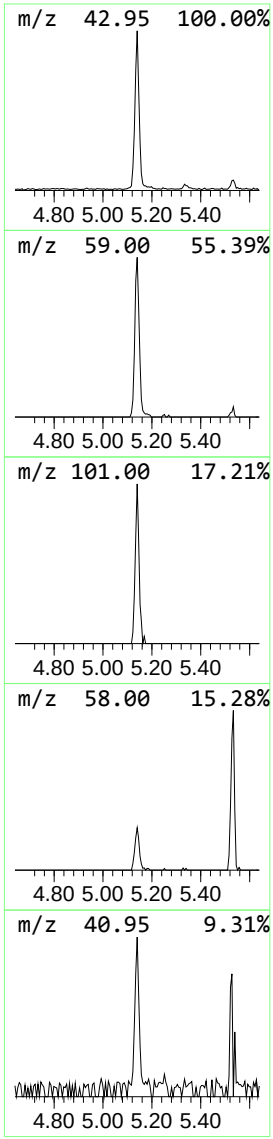
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.140 | 2.41 ng | 158289 | 1,4-Dichlorobenzene-d4 | 6.916 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | 3-Octanol | 130 | C8H18O | 000589-98-0 | 36 |
| 3 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 28 |
| 4 | 1,2-Butanediol | 90 | C4H10O2 | 000584-03-2 | 25 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125217.D
Acq On : 25 Aug 2021 19:14
Operator : JU/CG
Sample : M3467-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-10-(410.75)

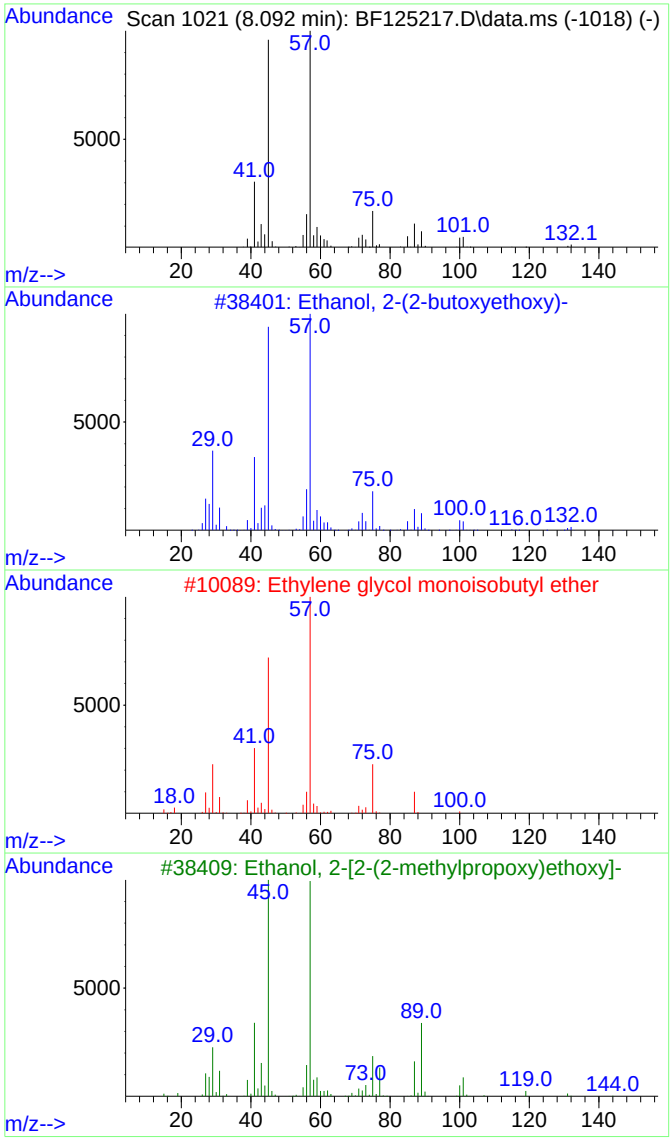
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

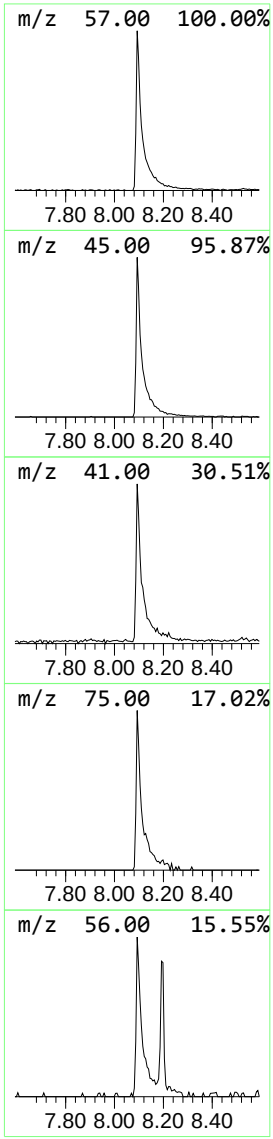
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.092 | 7.35 ng | 605855 | Naphthalene-d8 | 8.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |
| 2 | Ethylene glycol monoisobutyl ether | 118 | C6H14O2 | 004439-24-1 | 64 |
| 3 | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3 | 018912-80-6 | 50 |
| 4 | Propanoic acid, 2-(methoxymethoxy)- | 134 | C5H10O4 | 081327-29-9 | 47 |
| 5 | Hexane, 1-(methoxymethoxy)- | 146 | C8H18O2 | 066675-06-7 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125217.D
Acq On : 25 Aug 2021 19:14
Operator : JU/CG
Sample : M3467-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-10-(410.75)

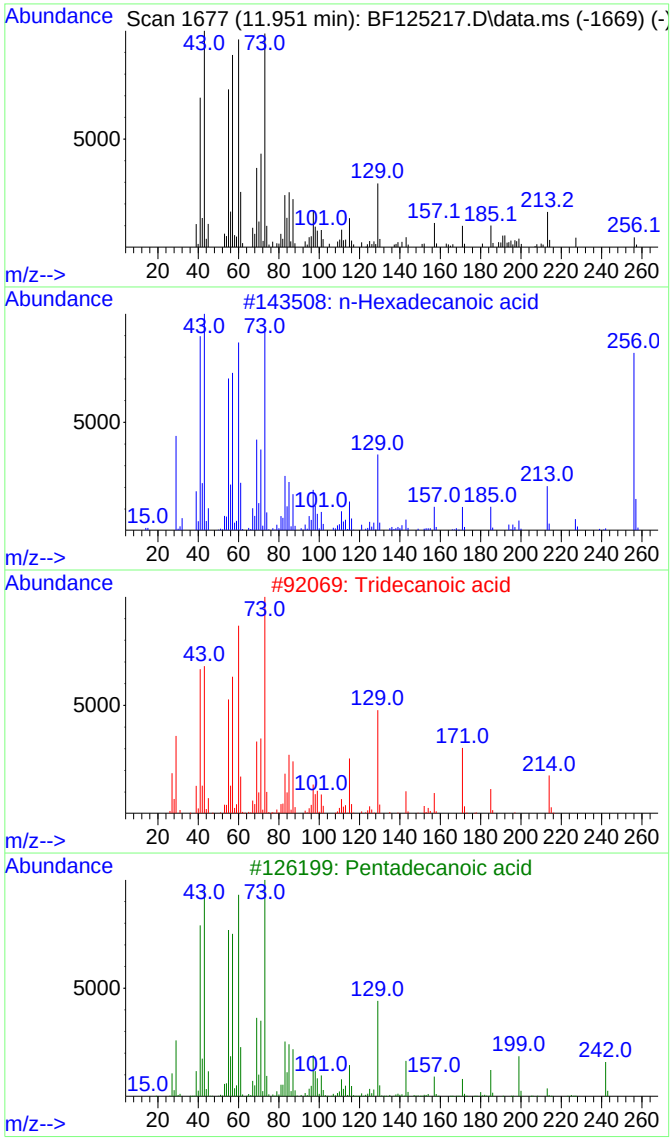
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

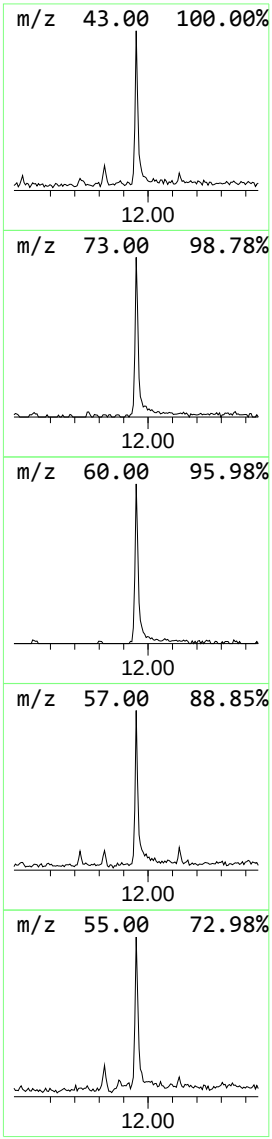
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.951 | 5.24 ng | 405117 | Phenanthrene-d10 | 11.439 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 95 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 87 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 68 |



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Data File : BF125217.D
Acq On : 25 Aug 2021 19:14
Operator : JU/CG
Sample : M3467-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-10-(410.75)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

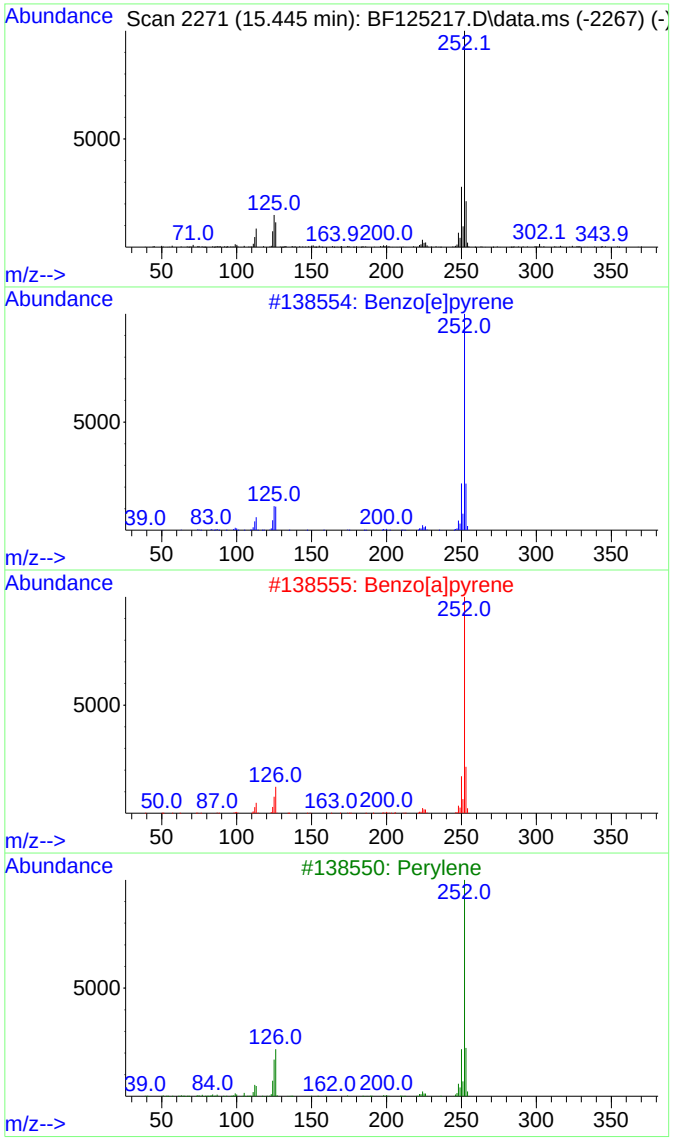
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

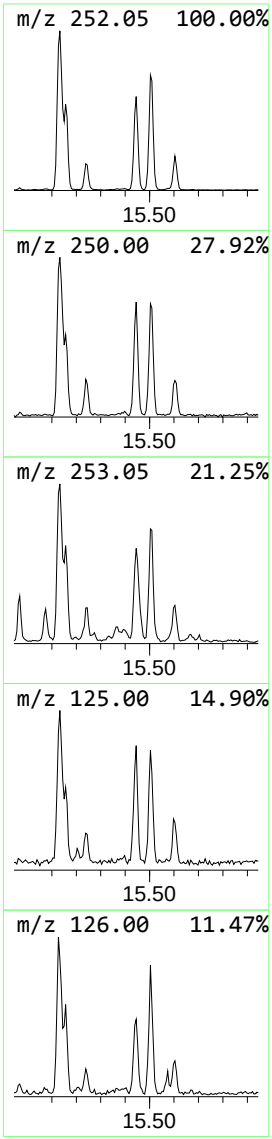
**********

Peak Number 5 Benzo[e]pyrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.445 | 4.85 ng | 377771 | Perylene-d12 | 15.574 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 99 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 91 |
| 5 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125217.D
Acq On : 25 Aug 2021 19:14
Operator : JU/CG
Sample : M3467-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-10-(410.75)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

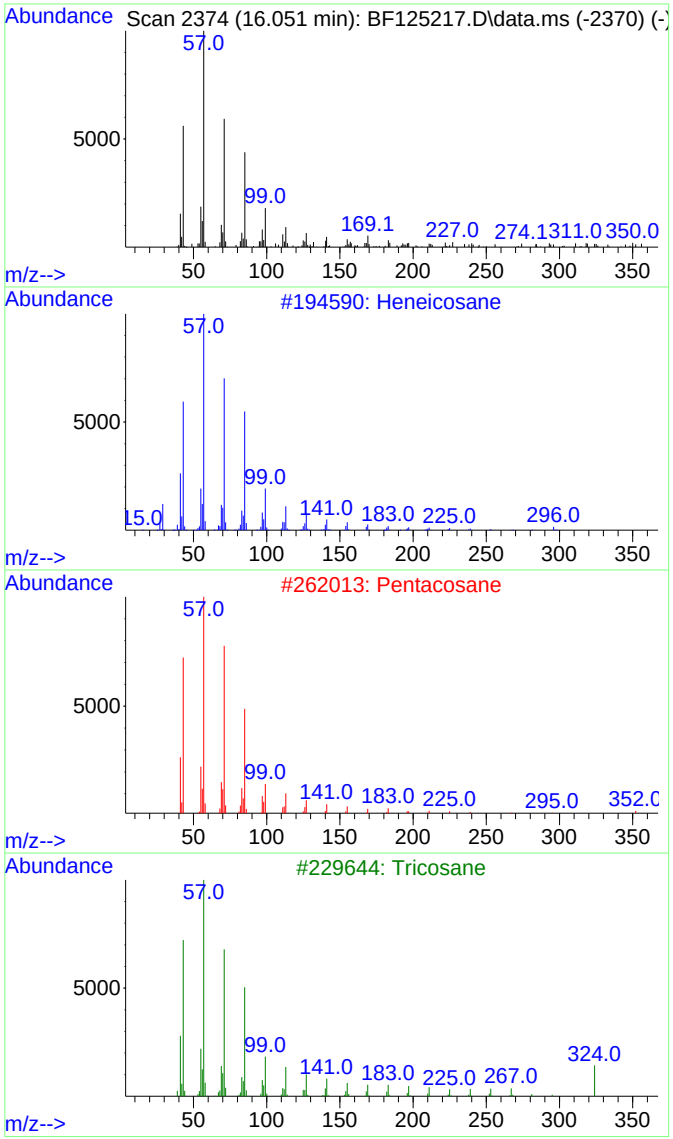
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

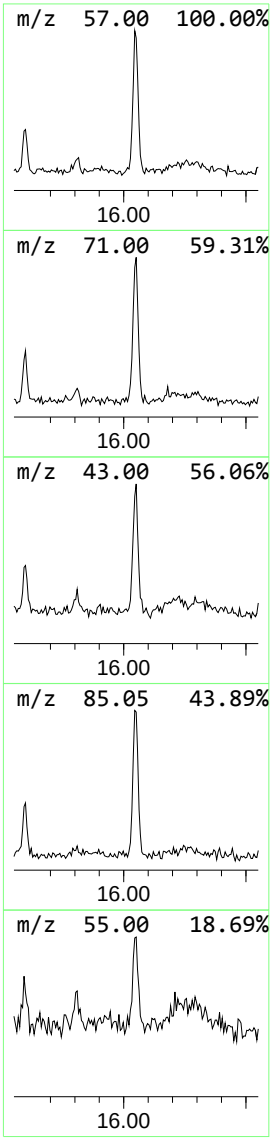
**********

Peak Number 6 Heneicosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.051 | 2.64 ng | 205591 | Perylene-d12 | 15.574 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 96 |
| 2 | Pentacosane | 352 | C25H52 | 000629-99-2 | 96 |
| 3 | Tricosane | 324 | C23H48 | 000638-67-5 | 94 |
| 4 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 87 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125217.D
Acq On : 25 Aug 2021 19:14
Operator : JU/CG
Sample : M3467-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-10-(410.75)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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... | 2.216 | 18.6 | ng | 1220080 | 1 | 6.916 | 1315590 | 20.0 |
| 2-Pentanone, 4-... | 5.140 | 2.4 | ng | 158289 | 1 | 6.916 | 1315590 | 20.0 |
| Ethanol, 2-(2-b... | 8.092 | 7.3 | ng | 605855 | 2 | 8.198 | 1647700 | 20.0 |
| n-Hexadecanoic ... | 11.951 | 5.2 | ng | 405117 | 4 | 11.439 | 1545220 | 20.0 |
| Benzo[e]pyrene | 15.445 | 4.8 | ng | 377771 | 6 | 15.574 | 1557910 | 20.0 |
| Heneicosane | 16.051 | 2.6 | ng | 205591 | 6 | 15.574 | 1557910 | 20.0 |