LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

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_P\Methods\8270E-BP111921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008107.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.028 | 3 | 7 | 17 | rVB | 112375 | 162306 | 1.90% | 0.433% |
| 2 | 5.416 | 406 | 413 | 421 | rBV | 176469 | 295755 | 3.46% | 0.789% |
| 3 | 5.928 | 490 | 500 | 515 | rBV | 4678172 | 8548008 | 100.00% | 22.809% |
| 4 | 7.005 | 677 | 683 | 691 | rBV | 185528 | 303334 | 3.55% | 0.809% |
| 5 | 7.822 | 815 | 822 | 833 | rBV | 579970 | 996211 | 11.65% | 2.658% |
| 6 | 8.063 | 854 | 863 | 867 | rBV4 | 39446 | 106161 | 1.24% | 0.283% |
| 7 | 8.616 | 953 | 957 | 964 | rVB | 57980 | 90374 | 1.06% | 0.241% |
| 8 | 8.857 | 990 | 998 | 1013 | rBV | 1166136 | 2260588 | 26.45% | 6.032% |
| 9 | 8.981 | 1014 | 1019 | 1024 | rVV | 116676 | 191305 | 2.24% | 0.510% |
| 10 | 9.046 | 1024 | 1030 | 1043 | rVB | 449157 | 808210 | 9.45% | 2.157% |
| 11 | 9.210 | 1053 | 1058 | 1069 | rVB | 75286 | 132585 | 1.55% | 0.354% |
| 12 | 10.228 | 1221 | 1231 | 1247 | rBV | 267089 | 613873 | 7.18% | 1.638% |
| 13 | 10.404 | 1253 | 1261 | 1271 | rVB2 | 82084 | 149830 | 1.75% | 0.400% |
| 14 | 10.622 | 1287 | 1298 | 1305 | rBV | 784475 | 1313879 | 15.37% | 3.506% |
| 15 | 13.087 | 1709 | 1717 | 1727 | rBV | 341416 | 497206 | 5.82% | 1.327% |
| 16 | 13.298 | 1747 | 1753 | 1761 | rBV2 | 95705 | 180368 | 2.11% | 0.481% |
| 17 | 14.375 | 1931 | 1936 | 1941 | rVB | 81169 | 104080 | 1.22% | 0.278% |
| 18 | 14.469 | 1944 | 1952 | 1958 | rVV | 1206441 | 1880183 | 22.00% | 5.017% |
| 19 | 14.557 | 1963 | 1967 | 1972 | rVB | 105245 | 140446 | 1.64% | 0.375% |
| 20 | 14.716 | 1986 | 1994 | 1999 | rVB | 182255 | 265706 | 3.11% | 0.709% |
| 21 | 14.792 | 2003 | 2007 | 2010 | rBV | 71249 | 95171 | 1.11% | 0.254% |
| 22 | 15.963 | 2200 | 2206 | 2214 | rBV2 | 250442 | 403755 | 4.72% | 1.077% |
| 23 | 16.210 | 2244 | 2248 | 2253 | rBV | 121827 | 163436 | 1.91% | 0.436% |
| 24 | 16.457 | 2285 | 2290 | 2297 | rVB | 179365 | 249121 | 2.91% | 0.665% |
| 25 | 16.569 | 2304 | 2309 | 2313 | rVB | 408080 | 492340 | 5.76% | 1.314% |
| 26 | 17.151 | 2404 | 2408 | 2412 | rVB | 71950 | 89824 | 1.05% | 0.240% |
| 27 | 17.227 | 2415 | 2421 | 2429 | rBV | 1515568 | 2216354 | 25.93% | 5.914% |
| 28 | 17.839 | 2521 | 2525 | 2531 | rVB | 154254 | 195322 | 2.29% | 0.521% |
| 29 | 18.051 | 2557 | 2561 | 2569 | rBV | 257181 | 353678 | 4.14% | 0.944% |
| 30 | 18.127 | 2569 | 2574 | 2580 | rBV | 791837 | 1099020 | 12.86% | 2.933% |
| 31 | 18.951 | 2711 | 2714 | 2720 | rVB | 221264 | 303893 | 3.56% | 0.811% |
| 32 | 19.174 | 2748 | 2752 | 2757 | rBV | 158217 | 198503 | 2.32% | 0.530% |
| 33 | 19.357 | 2779 | 2783 | 2787 | rBV | 446692 | 536685 | 6.28% | 1.432% |
| 34 | 19.410 | 2788 | 2792 | 2798 | rVB | 585900 | 786288 | 9.20% | 2.098% |
| 35 | 19.510 | 2806 | 2809 | 2812 | rBV | 132624 | 131453 | 1.54% | 0.351% |
| 36 | 19.792 | 2853 | 2857 | 2863 | rVB | 614321 | 727992 | 8.52% | 1.943% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

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_P\Methods\8270E-BP111921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 20.286 | 2938 | 2941 | 2945 | rBV | 161860 | 201685 | 2.36% | 0.538% |
| 38 | 20.469 | 2965 | 2972 | 2979 | rBV3 | 1142565 | 2650500 | 31.01% | 7.073% |
| 39 | 21.321 | 3113 | 3117 | 3123 | rBV | 1504683 | 1928883 | 22.57% | 5.147% |
| 40 | 21.410 | 3129 | 3132 | 3133 | rBV | 252444 | 272852 | 3.19% | 0.728% |
| 41 | 21.433 | 3133 | 3136 | 3140 | rVB | 573549 | 651826 | 7.63% | 1.739% |
| 42 | 22.215 | 3266 | 3269 | 3277 | rVB4 | 531643 | 832655 | 9.74% | 2.222% |
| 43 | 22.439 | 3301 | 3307 | 3312 | rBV5 | 678787 | 1365780 | 15.98% | 3.644% |
| 44 | 22.586 | 3329 | 3332 | 3340 | rVB2 | 396091 | 604902 | 7.08% | 1.614% |
| 45 | 23.727 | 3523 | 3526 | 3536 | rVB2 | 954325 | 1883761 | 22.04% | 5.027% |

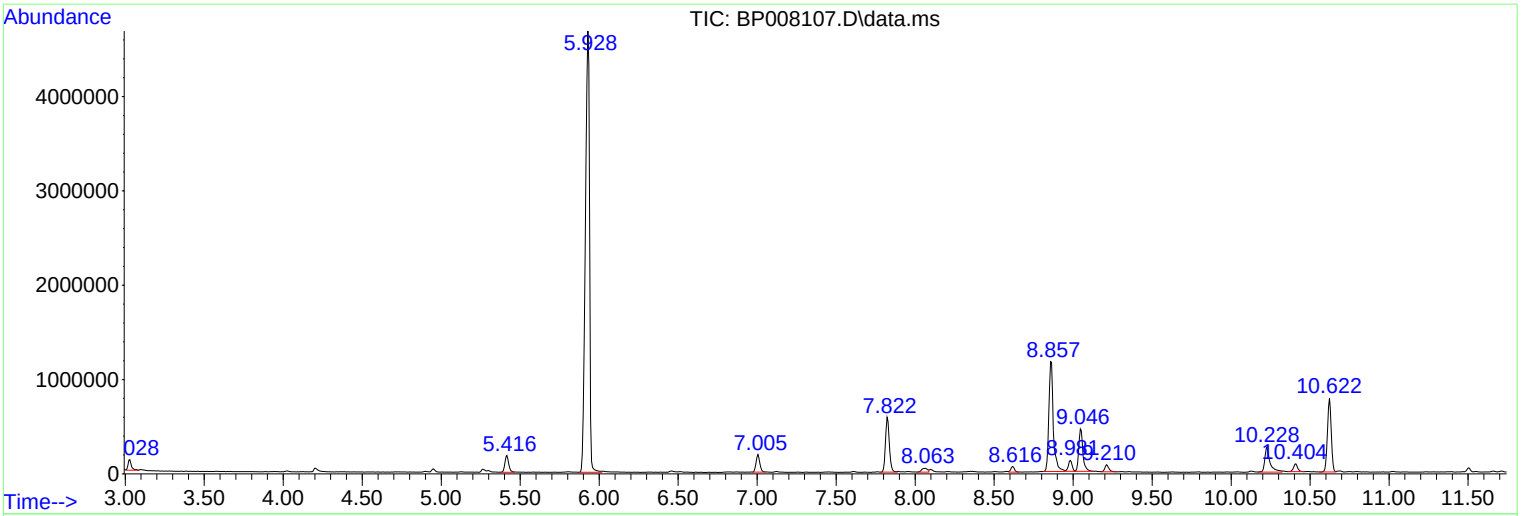
Sum of corrected areas: 37476087

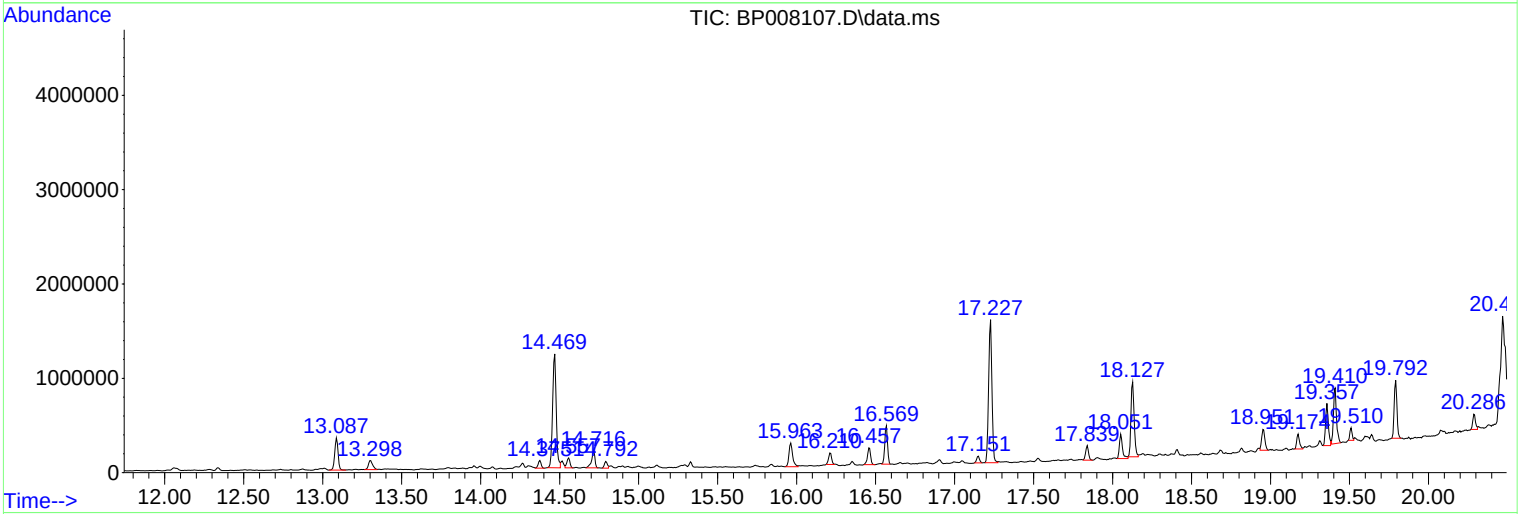
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

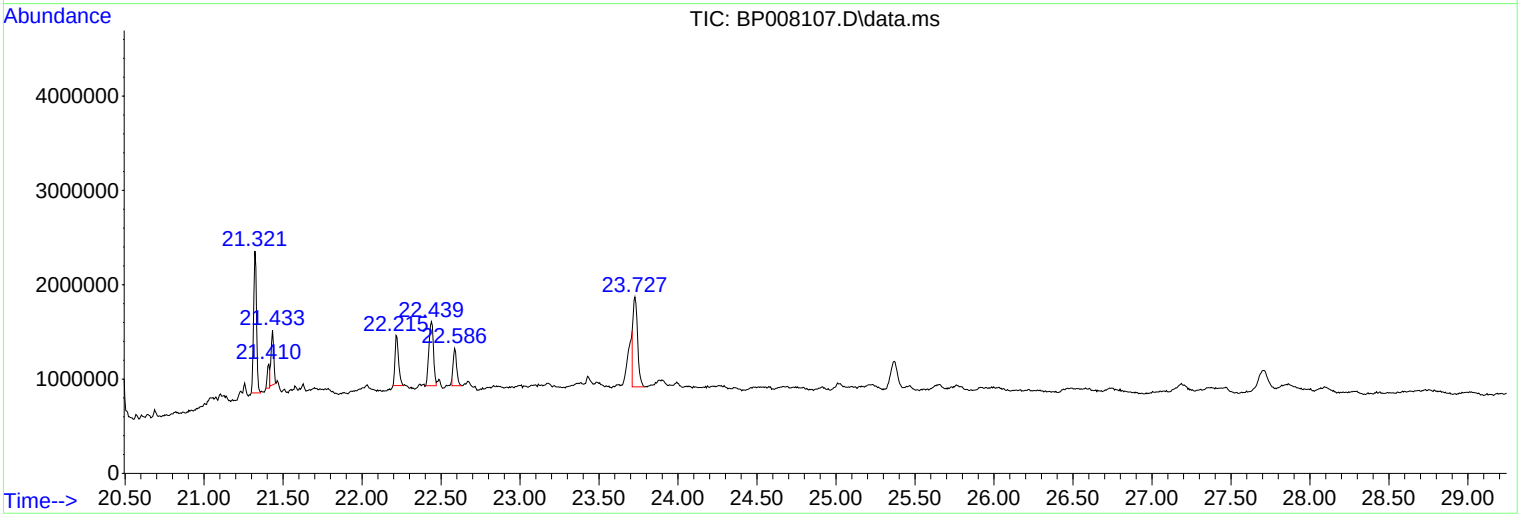
**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.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_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

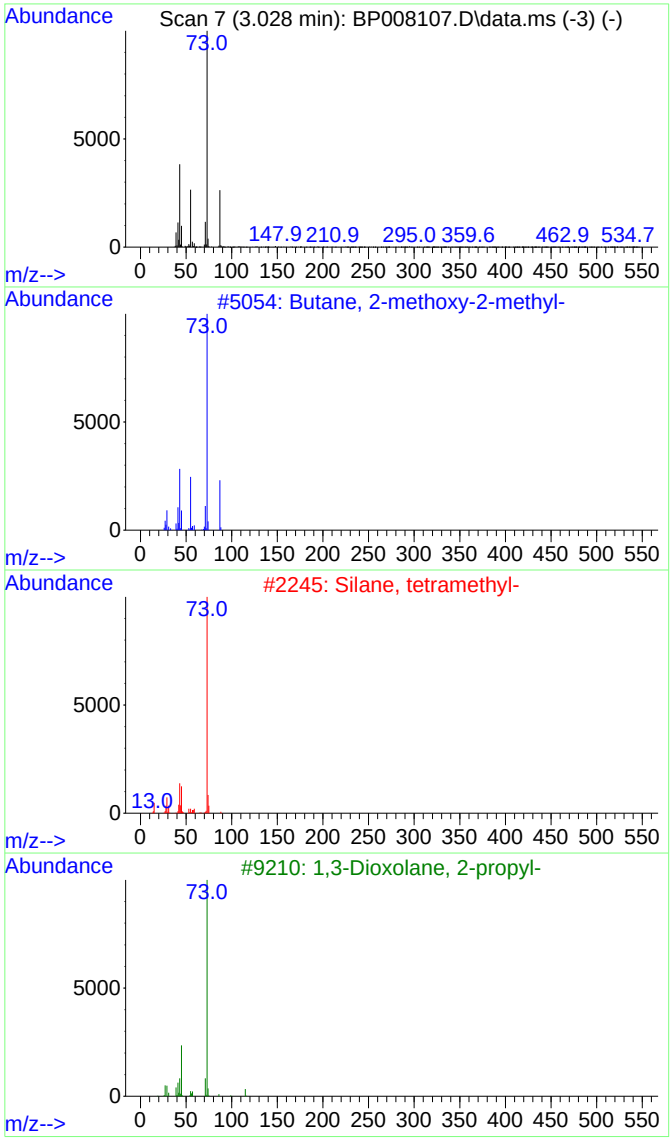
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

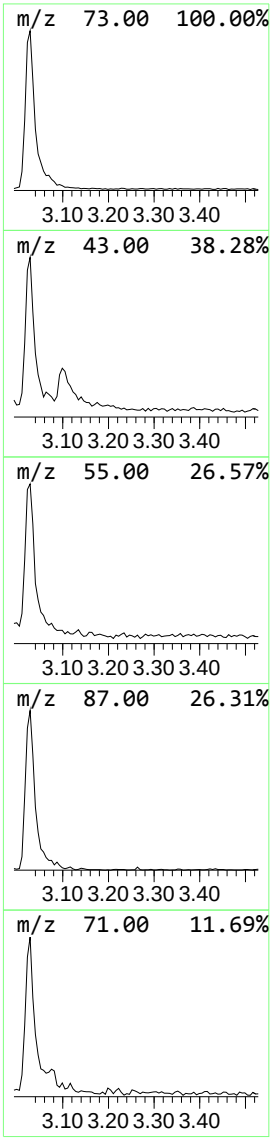
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.028 | 3.26 ng | 162306 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 59 |
| 2 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 25 |
| 3 | 1,3-Dioxolane, 2-propyl- | 116 | C6H12O2 | 003390-13-4 | 17 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 17 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

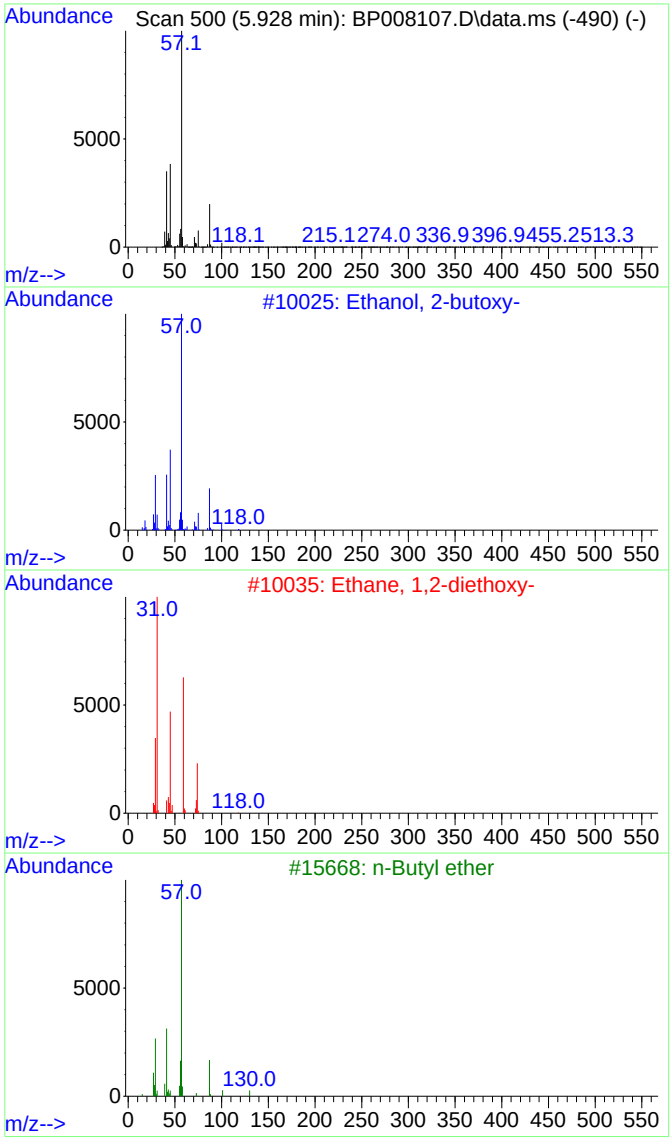
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

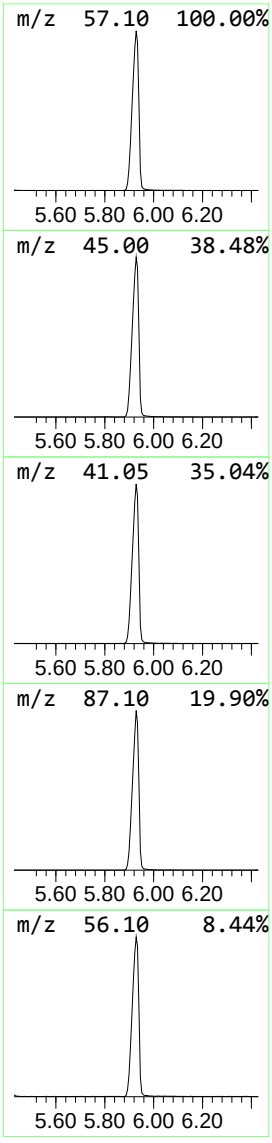
**********

Peak Number 2 Ethanol, 2-butoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.928 | 171.61 ng | 8548010 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-butoxy- | 118 | C6H14O2 | 000111-76-2 | 91 |
| 2 | Ethane, 1,2-diethoxy- | 118 | C6H14O2 | 000629-14-1 | 27 |
| 3 | n-Butyl ether | 130 | C8H18O | 000142-96-1 | 25 |
| 4 | Formic acid, 3,3-dimethylbut-2-y... | 130 | C7H14O2 | 1000368-20-5 | 25 |
| 5 | Propanoic acid, 2-methylpropyl e... | 130 | C7H14O2 | 000540-42-1 | 17 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

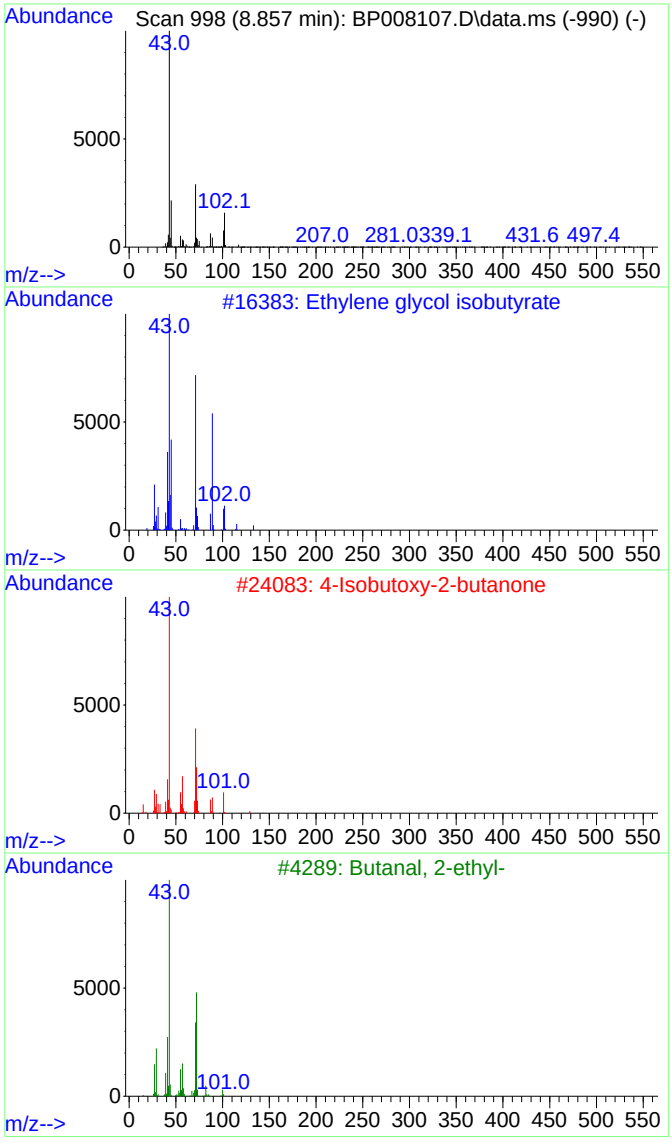
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

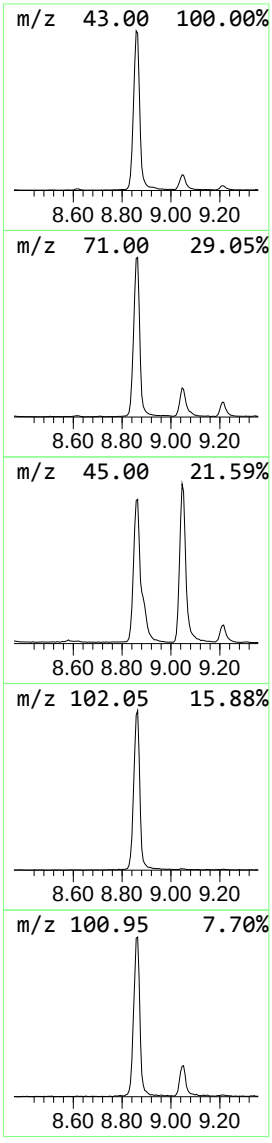
**********

Peak Number 3 unknown8.857 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.857 | 45.38 ng | 2260590 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethylene glycol isobutyrate | 132 | C6H12O3 | 1000458-47-9 | 45 |
| 2 | 4-Isobutoxy-2-butanone | 144 | C8H16O2 | 031576-33-7 | 28 |
| 3 | Butanal, 2-ethyl- | 100 | C6H12O | 000097-96-1 | 17 |
| 4 | Di-n-propyl ether | 102 | C6H14O | 000111-43-3 | 10 |
| 5 | Methyl isobutyrate | 102 | C5H10O2 | 000547-63-7 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

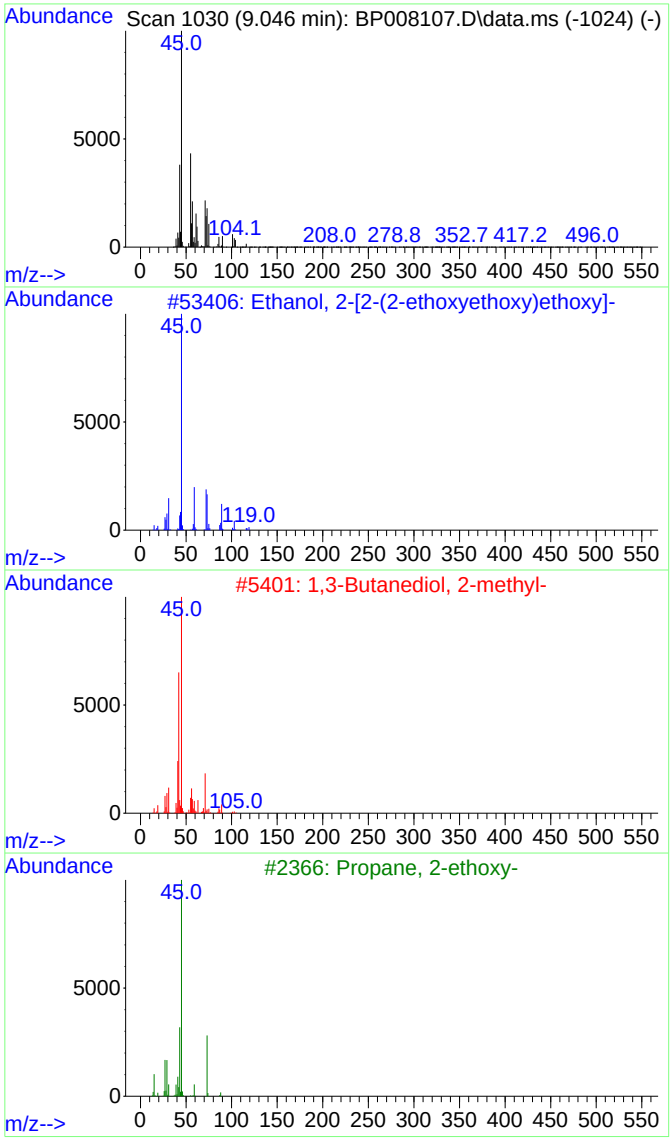
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

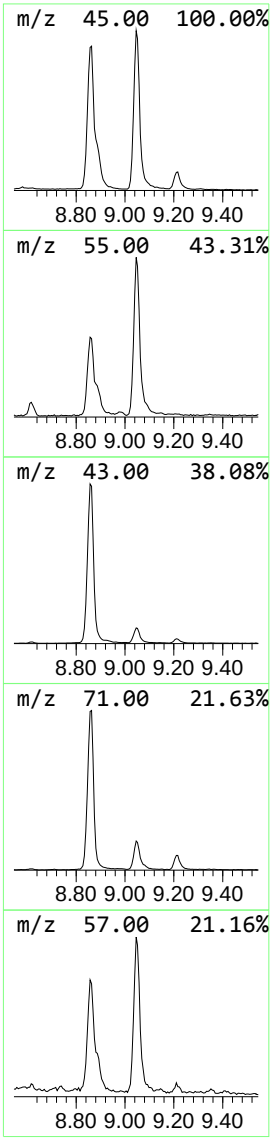
**********

Peak Number 4 unknown9.046 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.046 | 16.23 ng | 808210 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-[2-(2-ethoxyethoxy)et... | 178 | C8H18O4 | 000112-50-5 | 38 |
| 2 | 1,3-Butanediol, 2-methyl- | 104 | C5H12O2 | 000684-84-4 | 37 |
| 3 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 35 |
| 4 | Carbonic acid, dimethyl ester | 90 | C3H6O3 | 000616-38-6 | 33 |
| 5 | 2-Heptanol, 3-methyl- | 130 | C8H18O | 031367-46-1 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

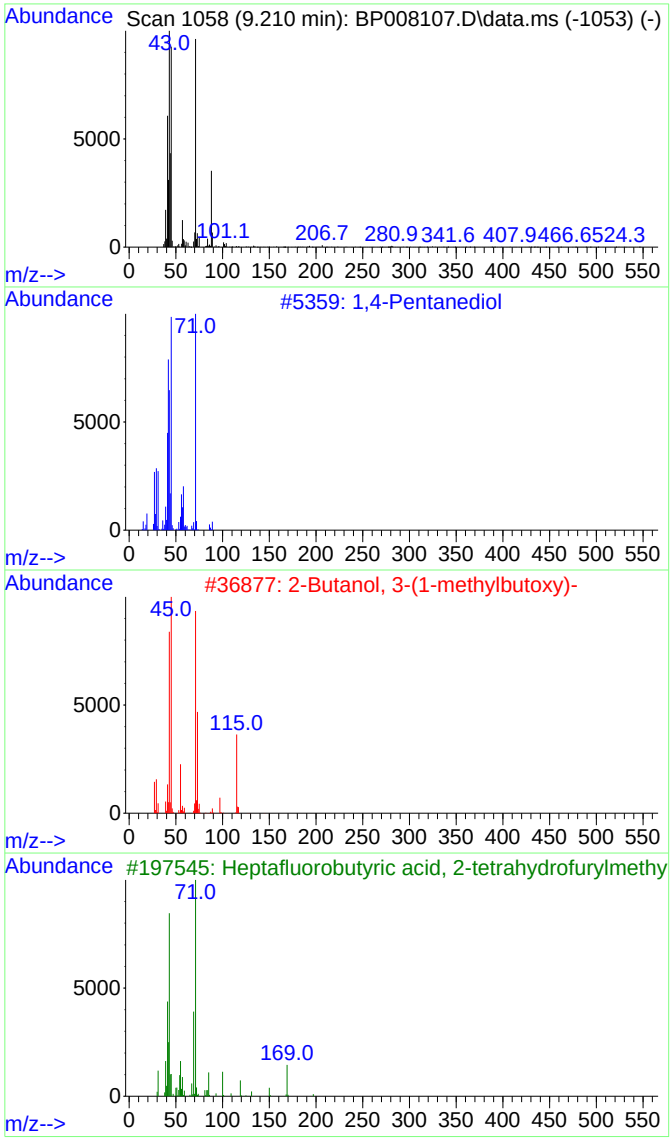
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

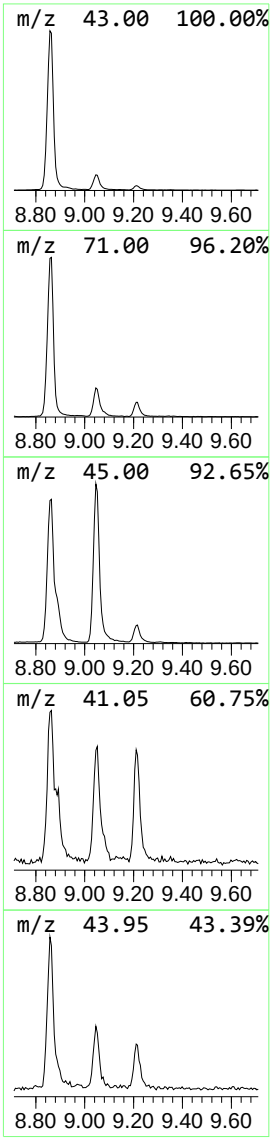
**********

Peak Number 5 1,4-Pentanediol Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.210 | 2.66 ng | 132585 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Pentanediol | 104 | C5H12O2 | 000626-95-9 | 53 |
| 2 | 2-Butanol, 3-(1-methylbutoxy)- | 160 | C9H20O2 | 074810-43-8 | 38 |
| 3 | Heptafluorobutyric acid, 2-tetra... | 298 | C9H9F7O3 | 1000216-78-5 | 38 |
| 4 | 2-Isopropoxyethylamine | 103 | C5H13NO | 081731-43-3 | 38 |
| 5 | (3-Methyl-oxiran-2-yl)-methanol | 88 | C4H8O2 | 1000194-22-9 | 32 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

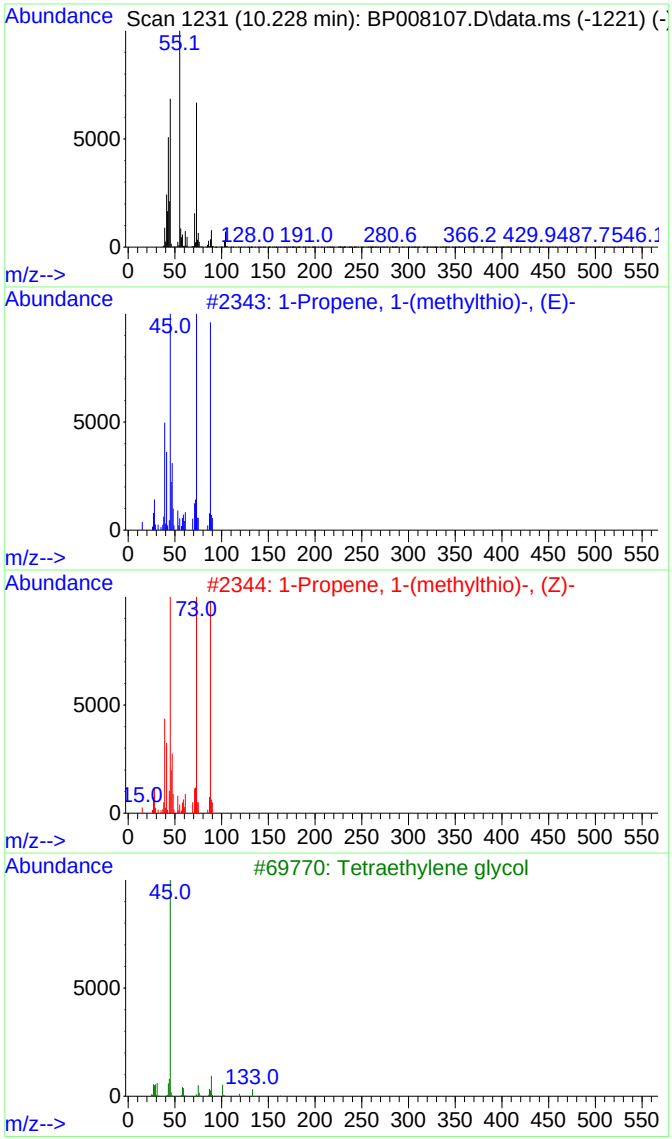
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

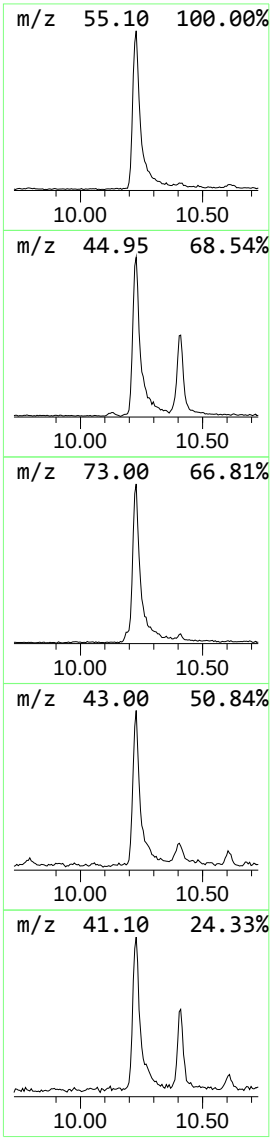
**********

Peak Number 6 unknown10.228 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.228 | 9.34 ng | 613873 | Naphthalene-d8 | 10.622 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propene, 1-(methylthio)-, (E)- | 88 | C4H8S | 042848-06-6 | 43 |
| 2 | 1-Propene, 1-(methylthio)-, (Z)- | 88 | C4H8S | 052195-40-1 | 37 |
| 3 | Tetraethylene glycol | 194 | C8H18O5 | 000112-60-7 | 35 |
| 4 | 4-Methoxymethoxy-3-nitro-pentan-... | 193 | C7H15NO5 | 1000187-51-5 | 32 |
| 5 | 4-Amino-1-butanol | 89 | C4H11NO | 013325-10-5 | 32 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

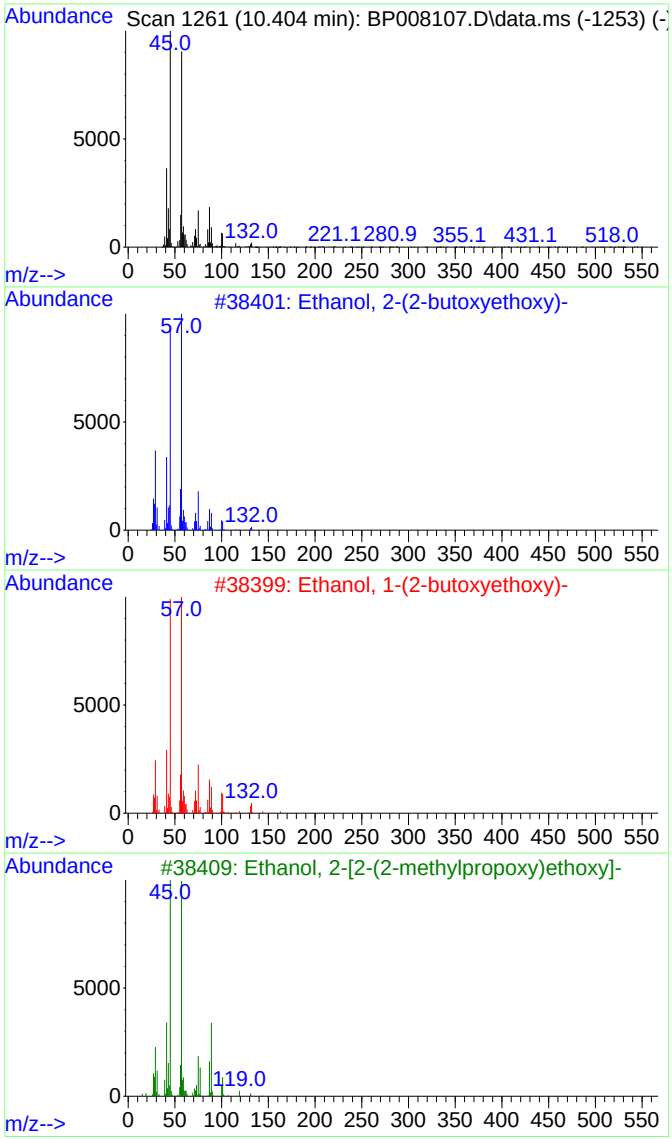
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

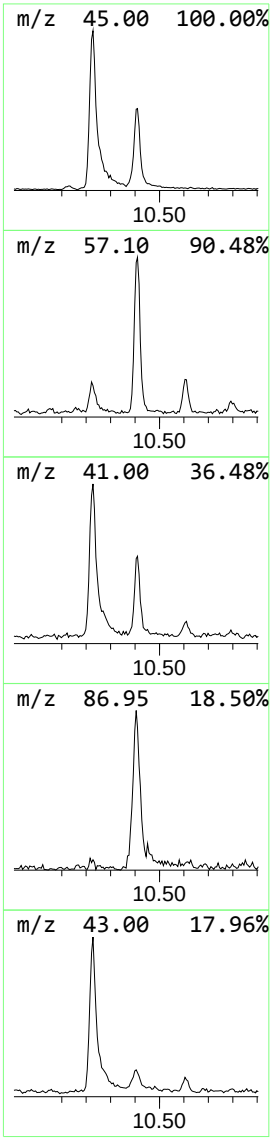
**********

Peak Number 7 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.404 | 2.28 ng | 149830 | Naphthalene-d8 | 10.622 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |
| 2 | Ethanol, 1-(2-butoxyethoxy)- | 162 | C8H18O3 | 054446-78-5 | 83 |
| 3 | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3 | 018912-80-6 | 78 |
| 4 | Acetaldehyde, di-sec-butyl acetal | 174 | C10H22O2 | 005314-41-0 | 53 |
| 5 | Di-sec-Butyl ether | 130 | C8H18O | 006863-58-7 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

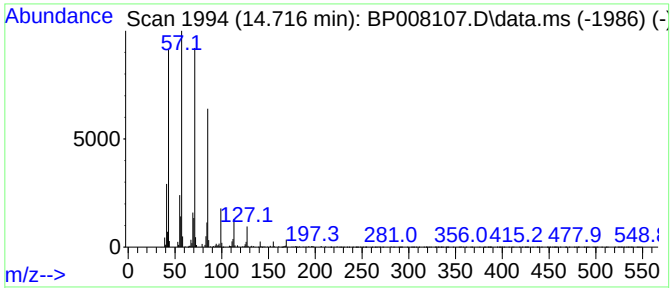
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

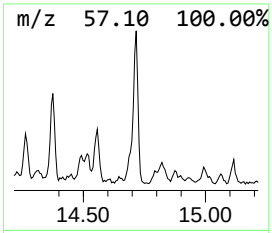
**********

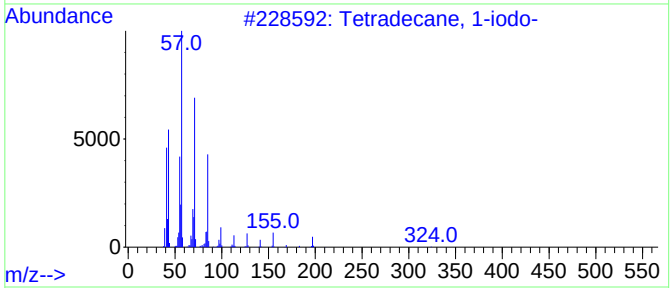
Peak Number 8 Tetradecane, 1-iodo- Concentration Rank 17

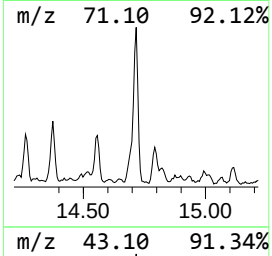
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.716 | 2.83 ng | 265706 | Acenaphthene-d10 | 14.469 |

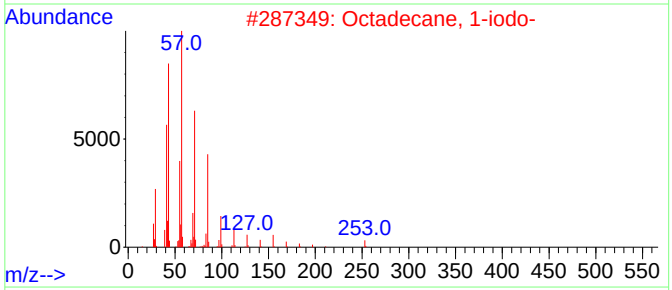
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 90 |
| 2 | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 86 |
| 3 | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 86 |
| 4 | Eicosane, 1-iodo- | 408 | C20H41I | 1000406-31-8 | 78 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 78 |

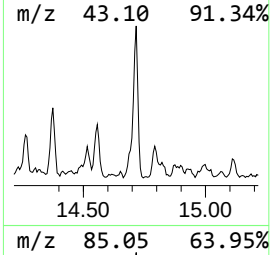


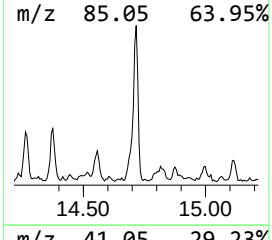



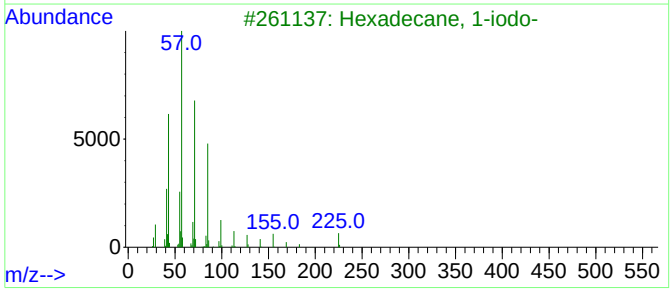



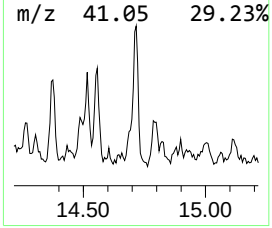



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

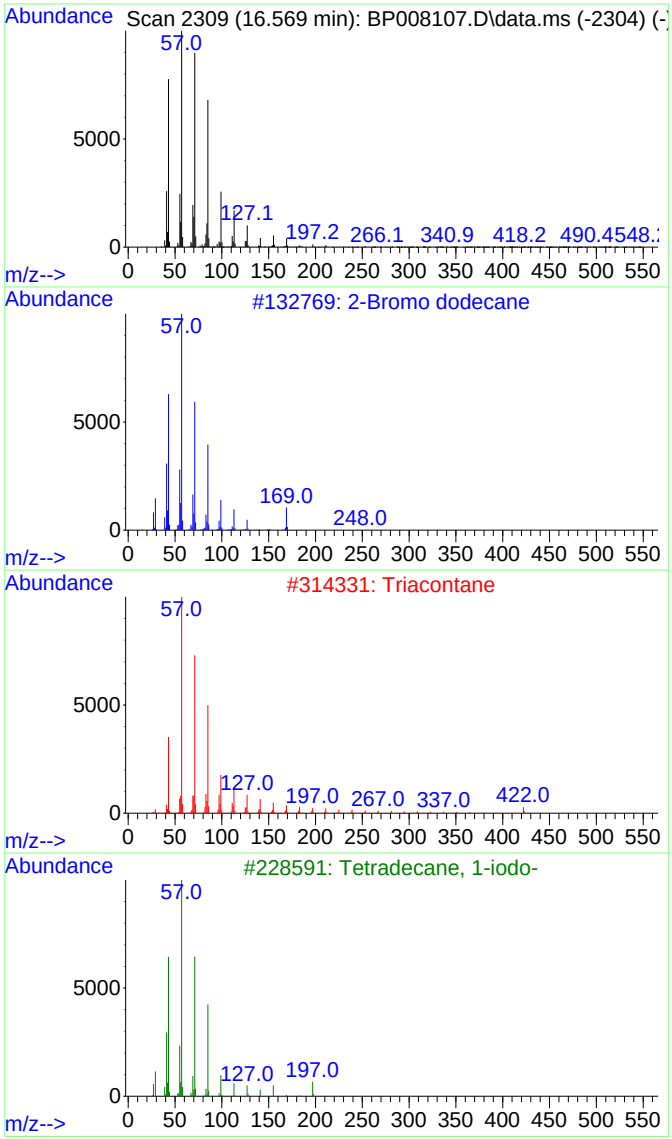
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

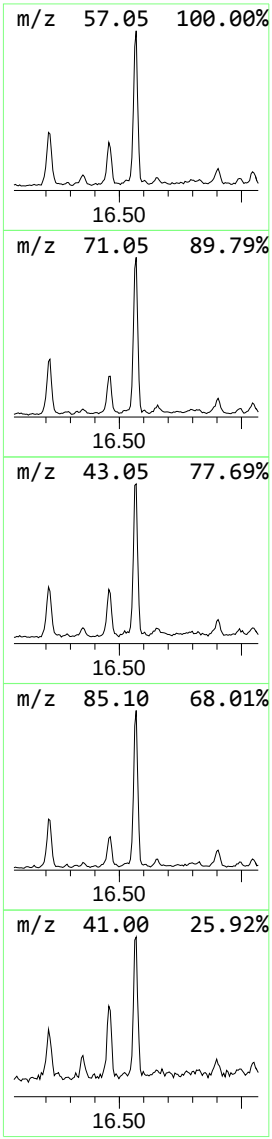
**********

Peak Number 9 2-Bromo dodecane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.569 | 4.44 ng | 492340 | Phenanthrene-d10 | 17.227 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 90 |
| 2 | Triacontane | 422 | C30H62 | 000638-68-6 | 83 |
| 3 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 72 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 72 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

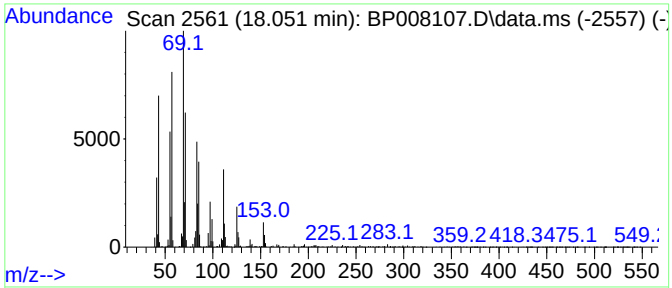
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

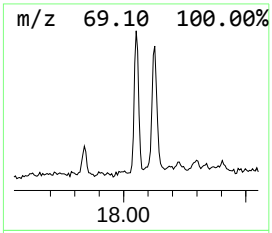
**********

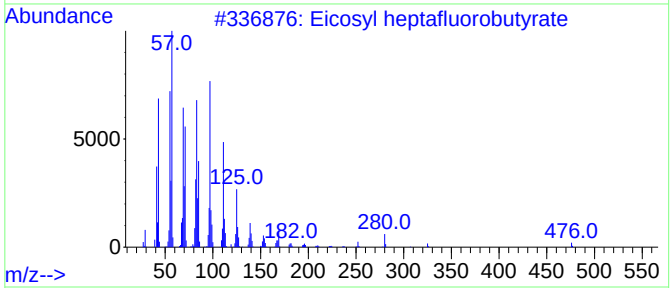
Peak Number 10 unknown18.051 Concentration Rank 15

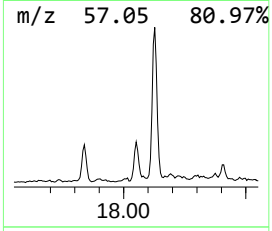
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.051 | 3.19 ng | 353678 | Phenanthrene-d10 | 17.227 |

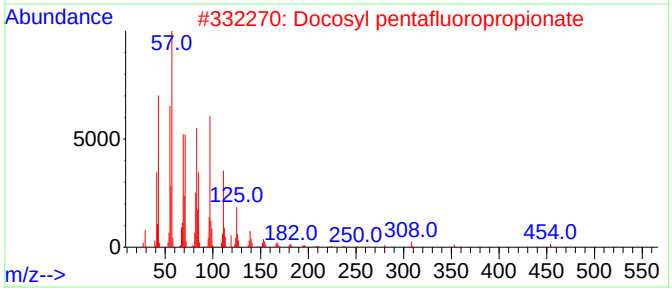
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosyl heptafluorobutyrate | 494 | C24H41F7O2 | 1000351-83-5 | 49 |
| 2 | Docosyl pentafluoropropionate | 472 | C25H45F5O2 | 1000351-80-9 | 49 |
| 3 | Eicosyl pentafluoropropionate | 444 | C23H41F5O2 | 1000351-80-8 | 49 |
| 4 | Docosyl trifluoroacetate | 422 | C24H45F3O2 | 1000351-75-5 | 49 |
| 5 | Tricosyl heptafluorobutyrate | 536 | C27H47F7O2 | 1000351-83-4 | 47 |

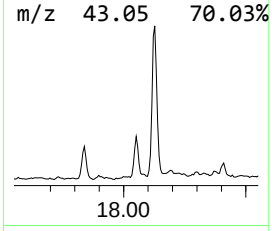


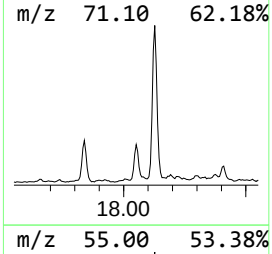



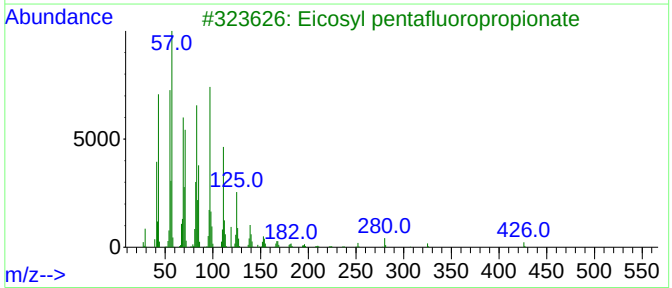



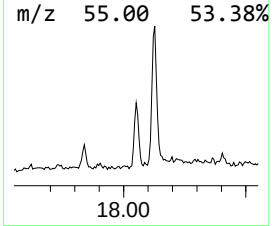



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

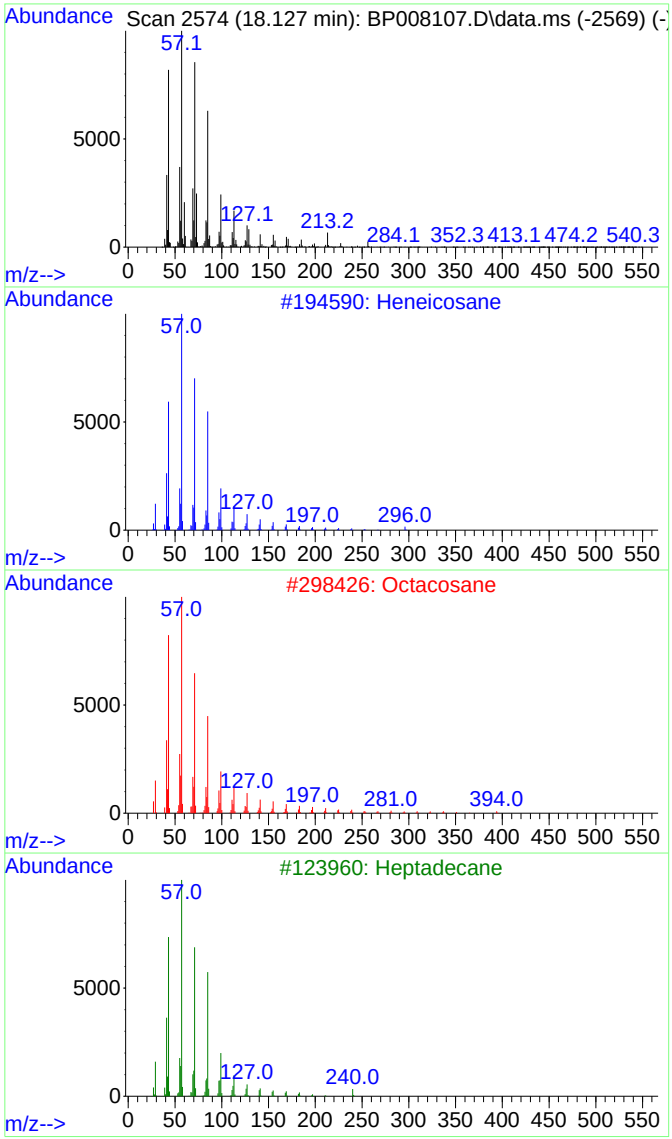
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

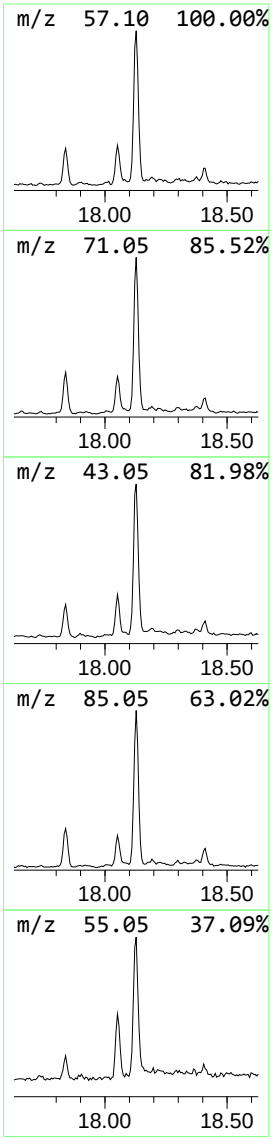
**********

Peak Number 11 Heneicosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.128 | 9.92 ng | 1099020 | Phenanthrene-d10 | 17.227 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 81 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 81 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 72 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 72 |
| 5 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

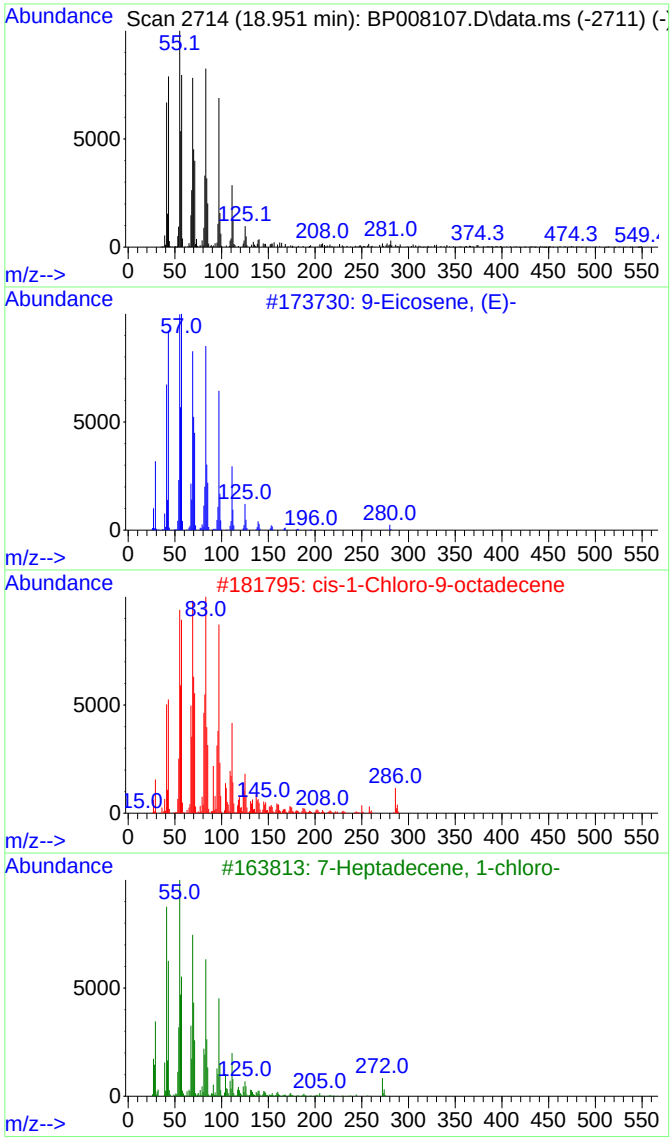
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

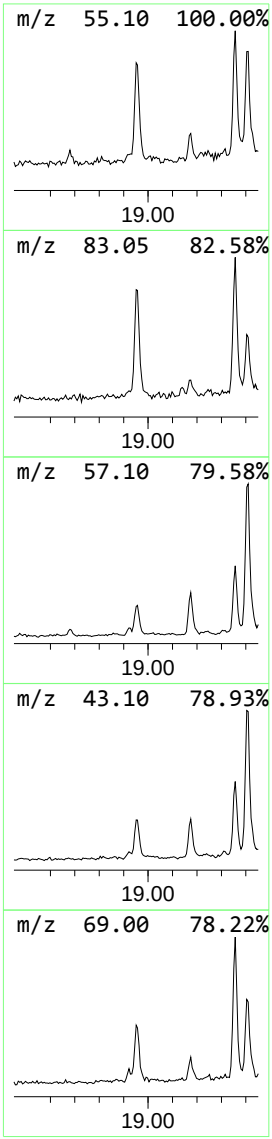
**********

Peak Number 12 9-Eicosene, (E)- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.951 | 2.74 ng | 303893 | Phenanthrene-d10 | 17.227 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 96 |
| 2 | cis-1-Chloro-9-octadecene | 286 | C18H35Cl | 016507-61-2 | 94 |
| 3 | 7-Heptadecene, 1-chloro- | 272 | C17H33Cl | 056554-78-0 | 94 |
| 4 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 5 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

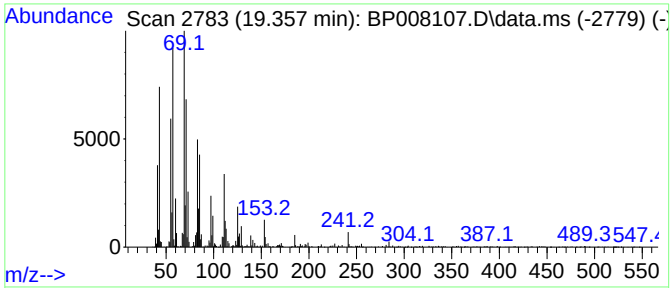
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

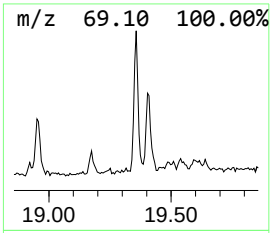
**********

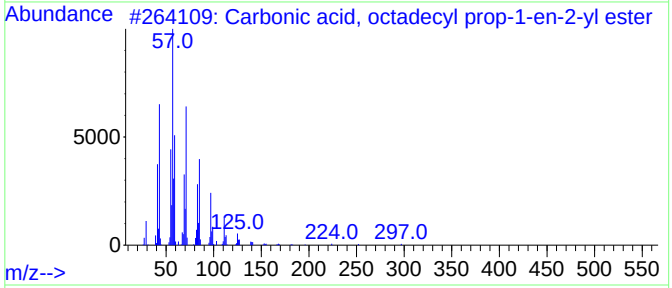
Peak Number 13 unknown19.357 Concentration Rank 12

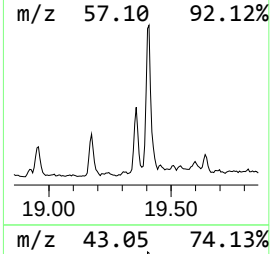
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.357 | 5.56 ng | 536685 | Chrysene-d12 | 21.321 |

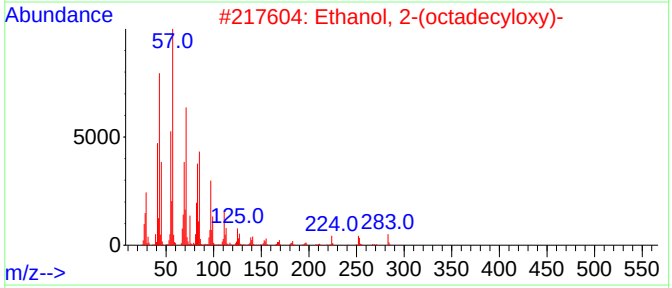
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Carbonic acid, octadecyl prop-1-... | 354 | C22H42O3 | 1000383-11-5 | 30 |
| 2 | Ethanol, 2-(octadecyloxy)- | 314 | C20H42O2 | 002136-72-3 | 30 |
| 3 | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 30 |
| 4 | Ethanone, 1-cyclopentyl- | 112 | C7H12O | 006004-60-0 | 30 |
| 5 | Cyclohexane, 1-ethyl-2-propyl- | 154 | C11H22 | 062238-33-9 | 30 |

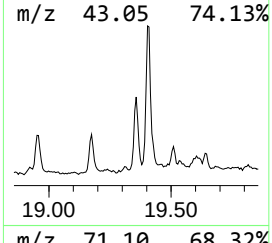


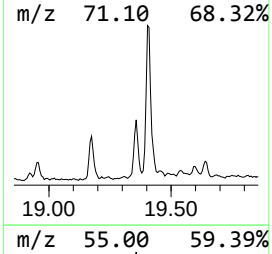



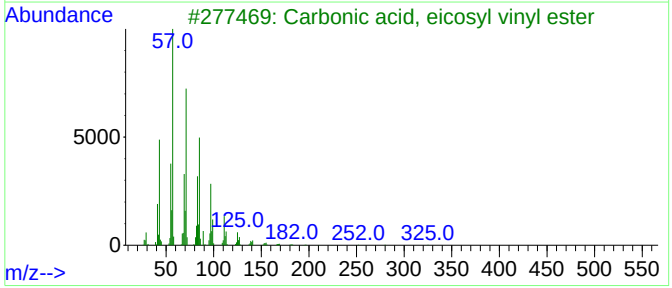



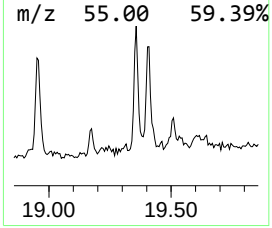



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

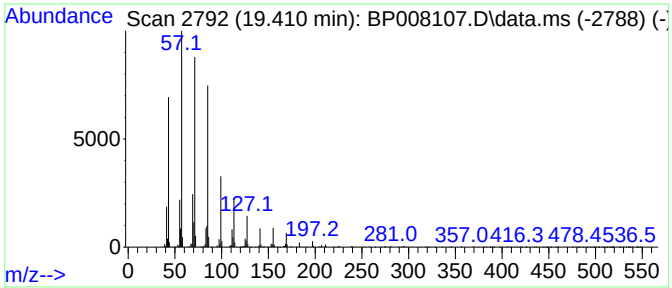
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

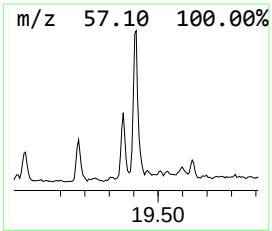
**********

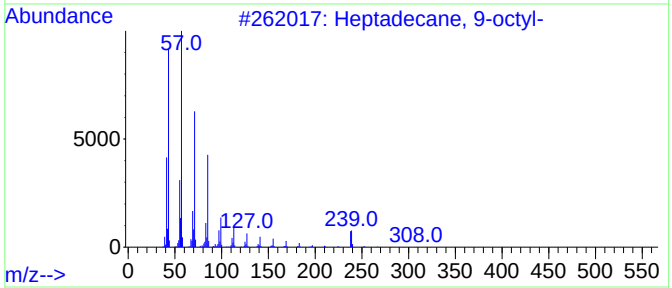
Peak Number 14 Heptadecane, 9-octyl- Concentration Rank 9

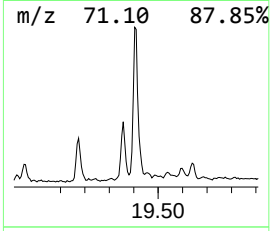
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.410 | 8.15 ng | 786288 | Chrysene-d12 | 21.321 |

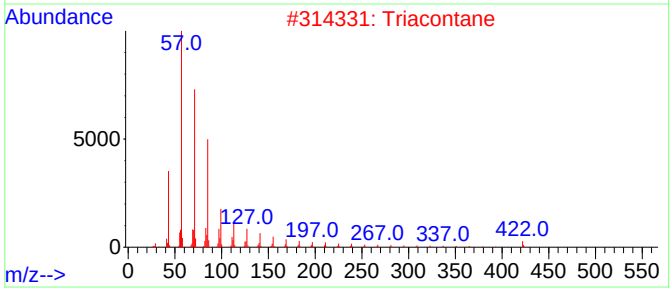
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 83 |
| 2 | Triacontane | 422 | C30H62 | 000638-68-6 | 78 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 72 |
| 4 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 72 |
| 5 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 72 |

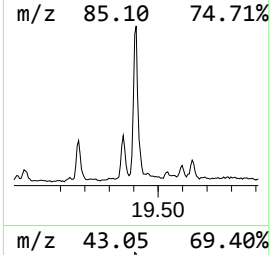


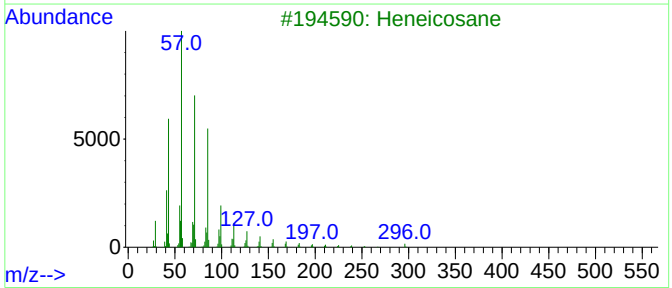



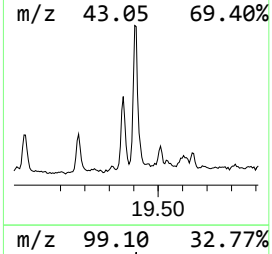



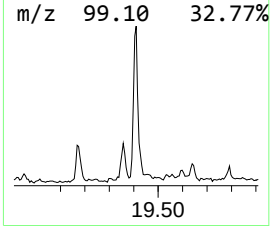



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

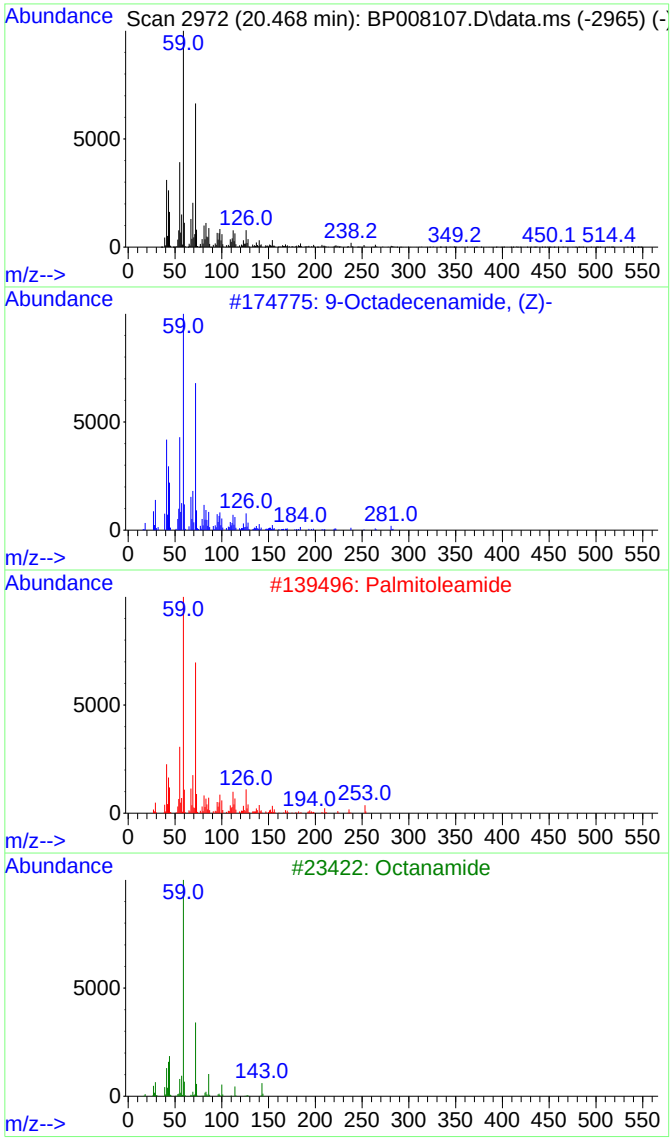
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

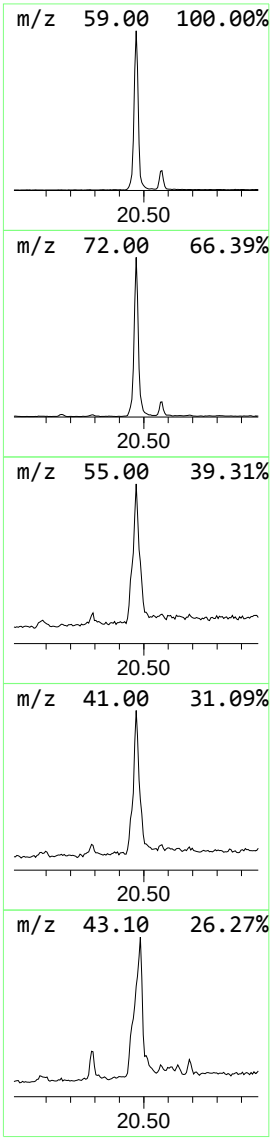
**********

Peak Number 15 9-Octadecenamide, (Z)- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.468 | 27.48 ng | 2650500 | Chrysene-d12 | 21.321 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 97 |
| 2 | Palmitoleamide | 253 | C16H31NO | 106010-22-4 | 93 |
| 3 | Octanamide | 143 | C8H17NO | 000629-01-6 | 59 |
| 4 | Octadecanamide | 283 | C18H37NO | 000124-26-5 | 59 |
| 5 | Nonanamide | 157 | C9H19NO | 001120-07-6 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

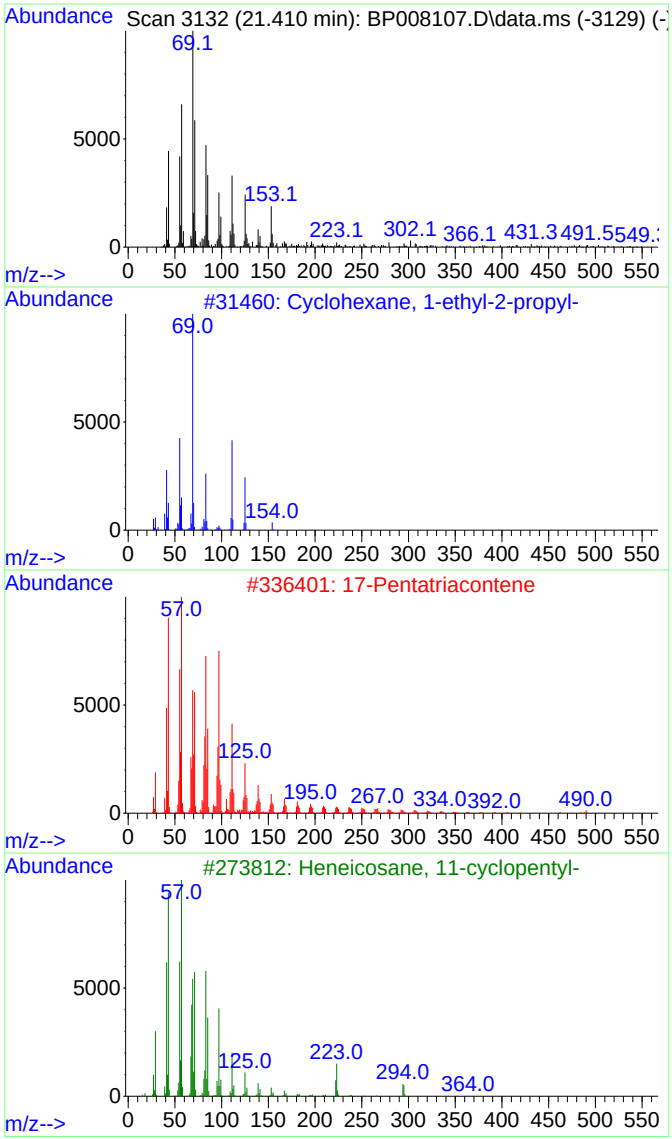
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

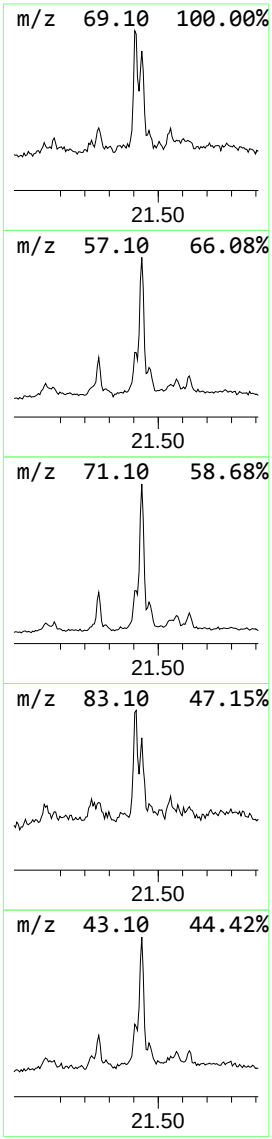
**********

Peak Number 16 unknown21.410 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.410 | 2.83 ng | 272852 | Chrysene-d12 | 21.321 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-ethyl-2-propyl- | 154 | C11H22 | 062238-33-9 | 49 |
| 2 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 46 |
| 3 | Heneicosane, 11-cyclopentyl- | 364 | C26H52 | 006703-81-7 | 41 |
| 4 | Butyl tetratriacontyl ether | 551 | C38H78O | 1000406-41-4 | 38 |
| 5 | Carbonic acid, octadecyl prop-1-... | 354 | C22H42O3 | 1000383-11-5 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

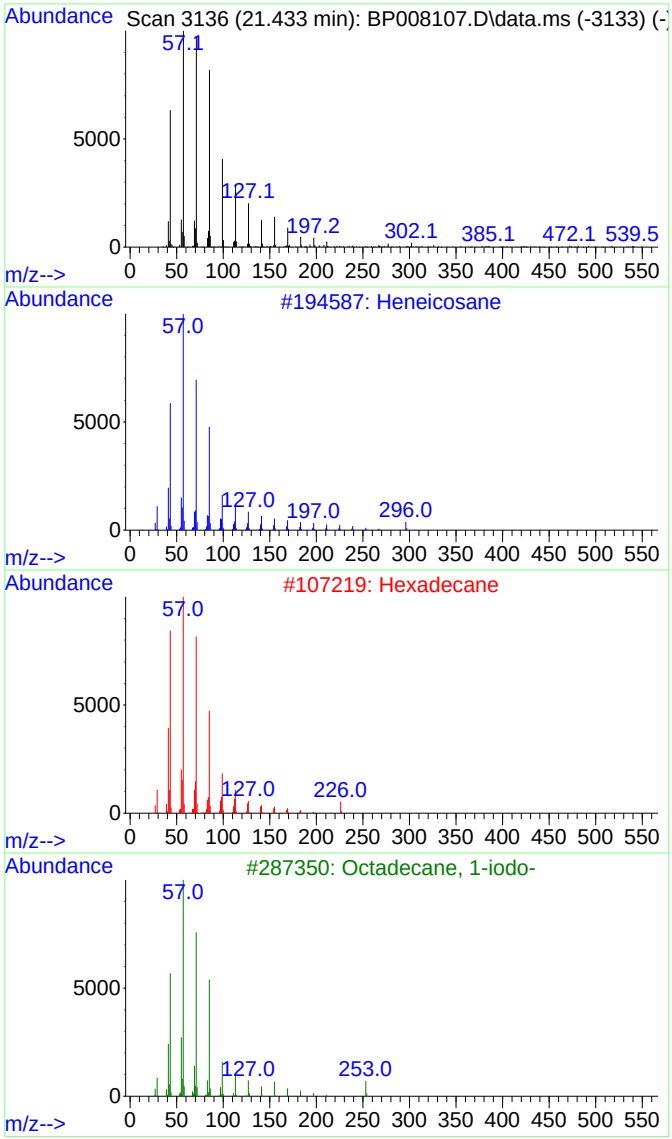
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

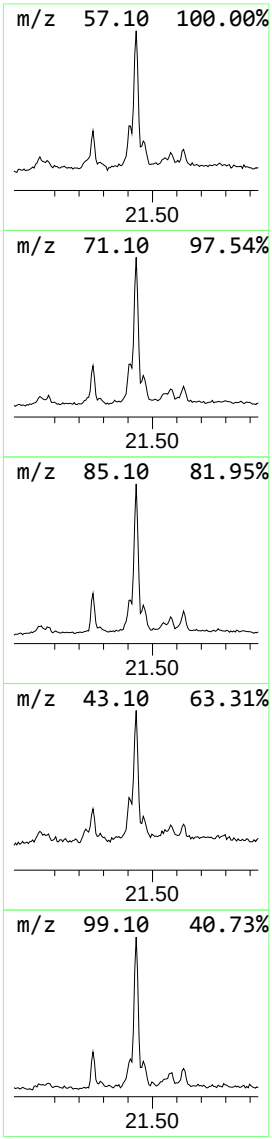
**********

Peak Number 17 Hexadecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.433 | 6.76 ng | 651826 | Chrysene-d12 | 21.321 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 86 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 72 |
| 3 | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 64 |
| 4 | Squalane | 422 | C30H62 | 000111-01-3 | 58 |
| 5 | 3-Ethyl-3-methylheptane | 142 | C10H22 | 017302-01-1 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

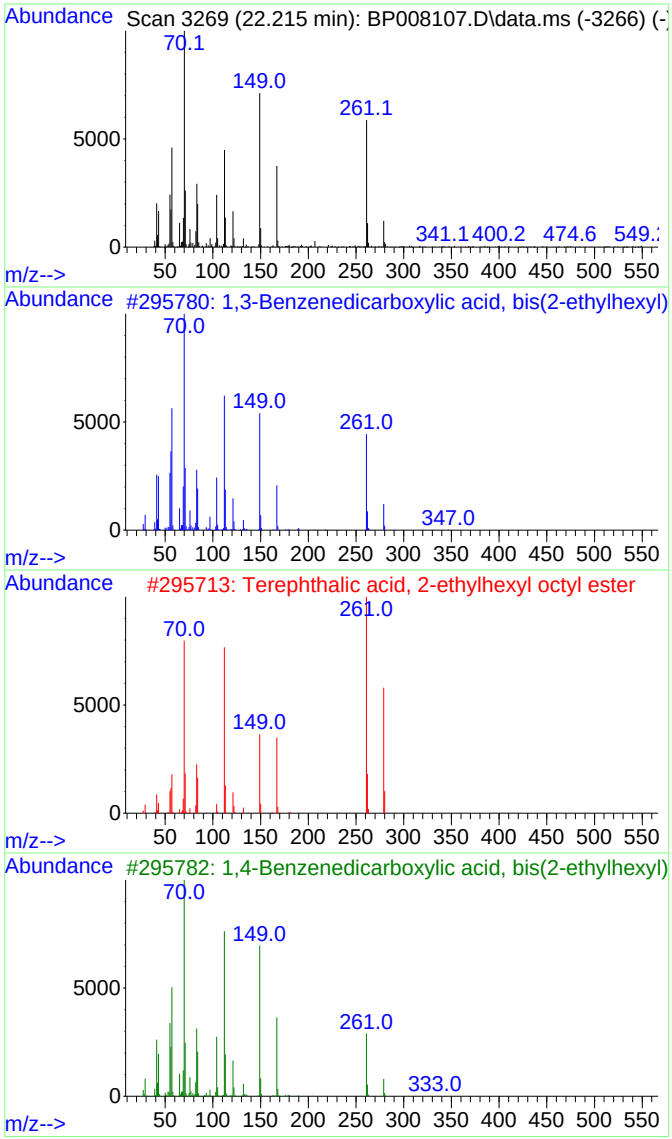
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

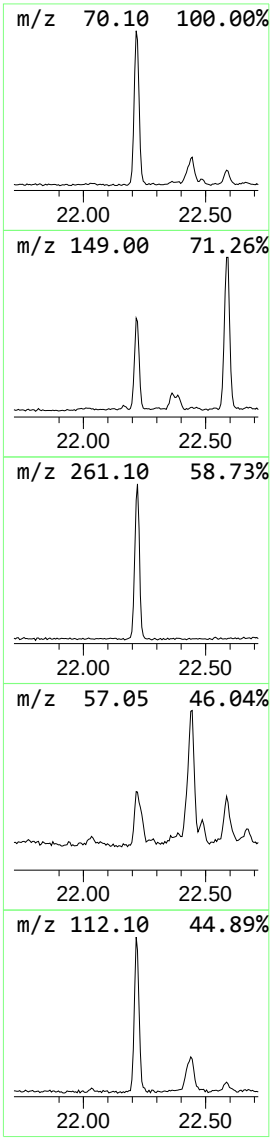
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 1,3-Benzenedicarboxylic aci... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.215 | 8.63 ng | 832655 | Chrysene-d12 | 21.321 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Benzenedicarboxylic acid, bi... | 390 | C24H38O4 | 000137-89-3 | 83 |
| 2 | Terephthalic acid, 2-ethylhexyl ... | 390 | C24H38O4 | 1000324-00-5 | 53 |
| 3 | 1,4-Benzenedicarboxylic acid, bi... | 390 | C24H38O4 | 006422-86-2 | 52 |
| 4 | Terephthalic acid, 3-methylbut-2... | 348 | C21H32O4 | 1000356-27-6 | 46 |
| 5 | Terephthalic acid, monochloride,... | 296 | C16H21ClO3 | 1000324-22-9 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

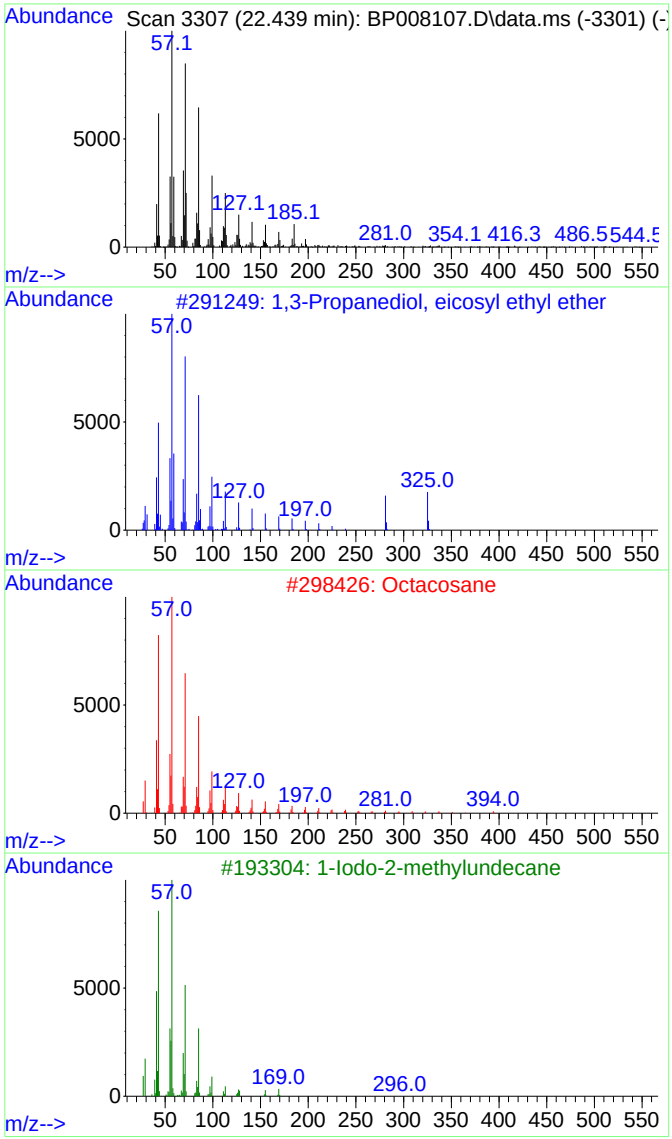
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

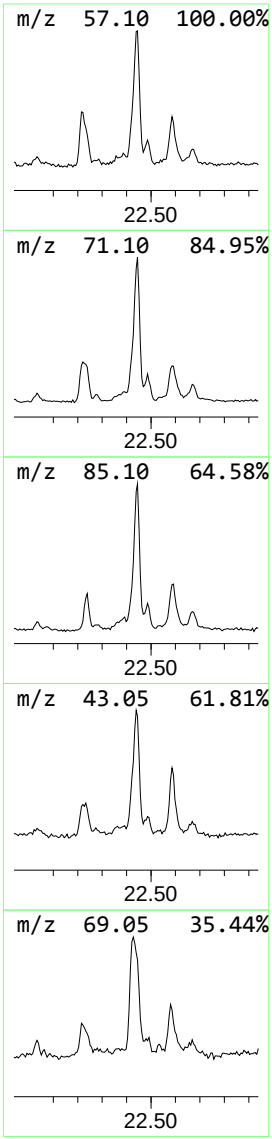
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 1,3-Propanediol, eicosyl et... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.439 | 14.16 ng | 1365780 | Chrysene-d12 | 21.321 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Propanediol, eicosyl ethyl e... | 384 | C25H52O2 | 1000406-35-5 | 64 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 64 |
| 3 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 62 |
| 4 | Tetracosane, 1-iodo- | 464 | C24H49I | 1000406-32-0 | 58 |
| 5 | Dodecane, 4,9-dipropyl- | 254 | C18H38 | 003054-63-5 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

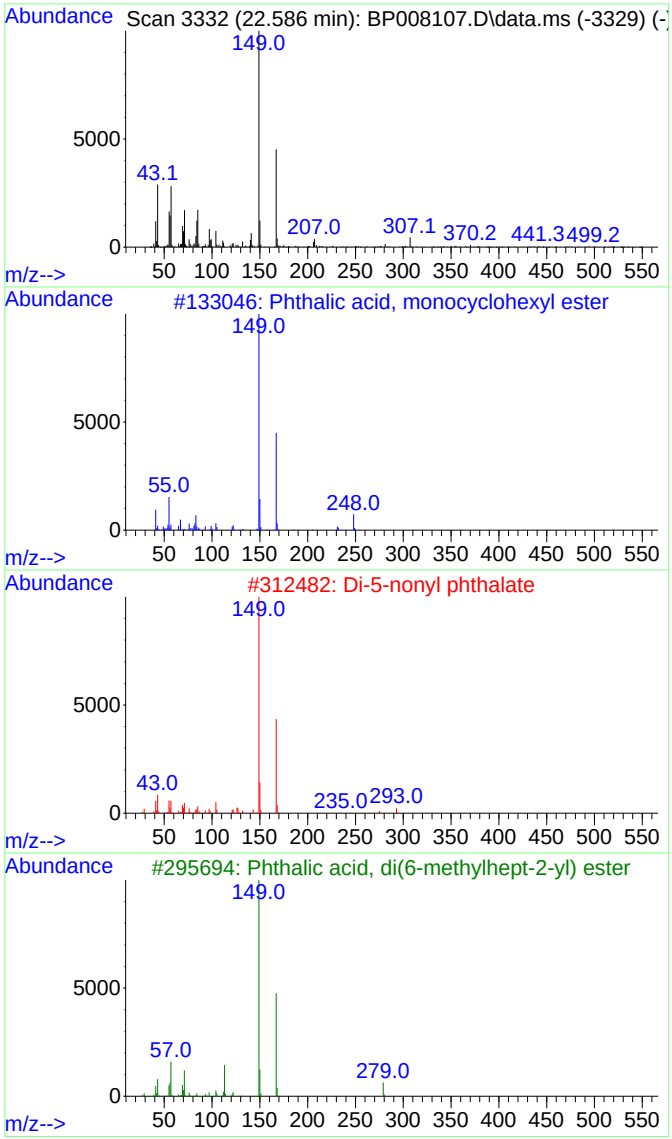
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

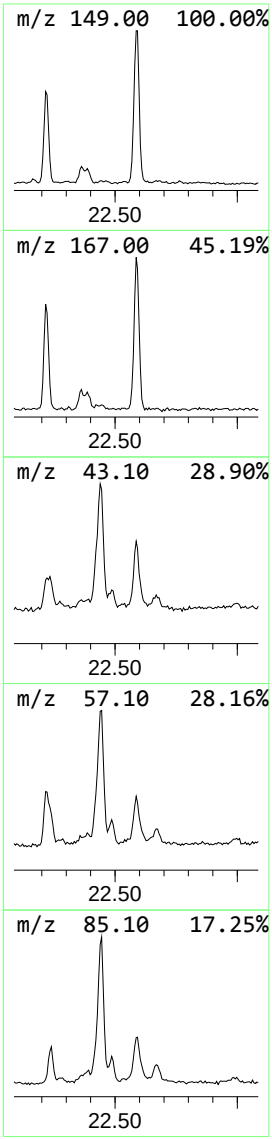
**********

Peak Number 20 Phthalic acid, monocyclohex... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.586 | 6.42 ng | 604902 | Perylene-d12 | 23.727 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phthalic acid, monocyclohexyl ester | 248 | C14H16O4 | 007517-36-4 | 64 |
| 2 | Di-5-nonyl phthalate | 418 | C26H42O4 | 094054-23-6 | 64 |
| 3 | Phthalic acid, di(6-methylhept-2... | 390 | C24H38O4 | 1000377-97-3 | 64 |
| 4 | Didecyl phthalate | 446 | C28H46O4 | 000084-77-5 | 58 |
| 5 | 1,2-Benzenedicarboxylic acid, bi... | 334 | C20H30O4 | 007299-89-0 | 53 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
Data File : BP008107.D
Acq On : 23 Nov 2021 21:17
Operator : CG/JU
Sample : M4803-03 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
263

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.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... | 3.028 | 3.3 | ng | 162306 | 1 | 7.822 | 996211 | 20.0 |
| Ethanol, 2-butoxy- | 5.928 | 171.6 | ng | 8548010 | 1 | 7.822 | 996211 | 20.0 |
| unknown8.857 | 8.857 | 45.4 | ng | 2260590 | 1 | 7.822 | 996211 | 20.0 |
| unknown9.046 | 9.046 | 16.2 | ng | 808210 | 1 | 7.822 | 996211 | 20.0 |
| 1,4-Pentanediol | 9.210 | 2.7 | ng | 132585 | 1 | 7.822 | 996211 | 20.0 |
| unknown10.228 | 10.228 | 9.3 | ng | 613873 | 2 | 10.622 | 1313880 | 20.0 |
| Ethanol, 2-(2-b... | 10.404 | 2.3 | ng | 149830 | 2 | 10.622 | 1313880 | 20.0 |
| Tetradecane, 1-... | 14.716 | 2.8 | ng | 265706 | 3 | 14.469 | 1880180 | 20.0 |
| 2-Bromo dodecane | 16.569 | 4.4 | ng | 492340 | 4 | 17.227 | 2216350 | 20.0 |
| unknown18.051 | 18.051 | 3.2 | ng | 353678 | 4 | 17.227 | 2216350 | 20.0 |
| Heneicosane | 18.128 | 9.9 | ng | 1099020 | 4 | 17.227 | 2216350 | 20.0 |
| 9-Eicosene, (E)- | 18.951 | 2.7 | ng | 303893 | 4 | 17.227 | 2216350 | 20.0 |
| unknown19.357 | 19.357 | 5.6 | ng | 536685 | 5 | 21.321 | 1928880 | 20.0 |
| Heptadecane, 9-... | 19.410 | 8.2 | ng | 786288 | 5 | 21.321 | 1928880 | 20.0 |
| 9-Octadecenamid... | 20.468 | 27.5 | ng | 2650500 | 5 | 21.321 | 1928880 | 20.0 |
| unknown21.410 | 21.410 | 2.8 | ng | 272852 | 5 | 21.321 | 1928880 | 20.0 |
| Hexadecane | 21.433 | 6.8 | ng | 651826 | 5 | 21.321 | 1928880 | 20.0 |
| 1,3-Benzenedica... | 22.215 | 8.6 | ng | 832655 | 5 | 21.321 | 1928880 | 20.0 |
| 1,3-Propanediol... | 22.439 | 14.2 | ng | 1365780 | 5 | 21.321 | 1928880 | 20.0 |
| Phthalic acid, ... | 22.586 | 6.4 | ng | 604902 | 6 | 23.727 | 1883760 | 20.0 |