LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

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-BF080421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124983.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.034 | 496 | 501 | 506 | rBB | 59406 | 69713 | 5.38% | 1.440% |
| 2 | 5.446 | 567 | 571 | 574 | rBV | 129883 | 116904 | 9.02% | 2.414% |
| 3 | 6.463 | 739 | 744 | 747 | rBB | 129805 | 121668 | 9.39% | 2.513% |
| 4 | 6.828 | 803 | 806 | 809 | rBB | 46844 | 31829 | 2.46% | 0.657% |
| 5 | 7.392 | 898 | 902 | 905 | rBB | 98044 | 76536 | 5.90% | 1.581% |
| 6 | 8.016 | 1005 | 1008 | 1011 | rVB | 47060 | 36594 | 2.82% | 0.756% |
| 7 | 8.110 | 1022 | 1024 | 1027 | rVB | 58172 | 43730 | 3.37% | 0.903% |
| 8 | 8.534 | 1092 | 1096 | 1097 | rBV | 19088 | 17064 | 1.32% | 0.352% |
| 9 | 8.651 | 1112 | 1116 | 1121 | rBV6 | 17444 | 31924 | 2.46% | 0.659% |
| 10 | 8.798 | 1137 | 1141 | 1145 | rVB5 | 18335 | 22685 | 1.75% | 0.468% |
| 11 | 8.857 | 1147 | 1151 | 1153 | rBV5 | 17776 | 17204 | 1.33% | 0.355% |
| 12 | 8.886 | 1153 | 1156 | 1159 | rBV3 | 17215 | 21899 | 1.69% | 0.452% |
| 13 | 8.992 | 1171 | 1174 | 1177 | rBV4 | 22967 | 29722 | 2.29% | 0.614% |
| 14 | 9.069 | 1184 | 1187 | 1189 | rBV3 | 16243 | 19634 | 1.51% | 0.405% |
| 15 | 9.104 | 1190 | 1193 | 1195 | rVV | 45210 | 39236 | 3.03% | 0.810% |
| 16 | 9.134 | 1195 | 1198 | 1202 | rVB | 92121 | 80158 | 6.18% | 1.655% |
| 17 | 9.186 | 1202 | 1207 | 1210 | rBV | 183343 | 174394 | 13.45% | 3.601% |
| 18 | 9.269 | 1217 | 1221 | 1224 | rBV3 | 78727 | 102355 | 7.90% | 2.114% |
| 19 | 9.310 | 1226 | 1228 | 1231 | rBV3 | 18626 | 24455 | 1.89% | 0.505% |
| 20 | 9.463 | 1252 | 1254 | 1257 | rBV3 | 30195 | 31823 | 2.45% | 0.657% |
| 21 | 9.581 | 1271 | 1274 | 1275 | rBV | 215153 | 176877 | 13.64% | 3.653% |
| 22 | 9.598 | 1275 | 1277 | 1279 | rVB | 134772 | 107703 | 8.31% | 2.224% |
| 23 | 9.686 | 1290 | 1292 | 1298 | rVB4 | 37868 | 42436 | 3.27% | 0.876% |
| 24 | 9.739 | 1298 | 1301 | 1304 | rBV3 | 130752 | 158724 | 12.24% | 3.278% |
| 25 | 9.786 | 1306 | 1309 | 1312 | rVB | 251446 | 228833 | 17.65% | 4.726% |
| 26 | 9.822 | 1313 | 1315 | 1317 | rBV2 | 42065 | 39320 | 3.03% | 0.812% |
| 27 | 9.857 | 1317 | 1321 | 1327 | rBV4 | 113164 | 200760 | 15.49% | 4.146% |
| 28 | 9.916 | 1328 | 1331 | 1334 | rBV3 | 61508 | 91900 | 7.09% | 1.898% |
| 29 | 10.286 | 1392 | 1394 | 1400 | rBV | 127213 | 140014 | 10.80% | 2.891% |
| 30 | 10.833 | 1480 | 1487 | 1493 | rBV | 540708 | 1176604 | 90.76% | 24.298% |
| 31 | 11.316 | 1563 | 1569 | 1573 | rVB | 765955 | 1296382 | 100.00% | 26.772% |
| 32 | 14.516 | 2111 | 2113 | 2118 | rVB3 | 32857 | 35781 | 2.76% | 0.739% |
| 33 | 15.468 | 2271 | 2275 | 2280 | rVB | 30378 | 37529 | 2.89% | 0.775% |

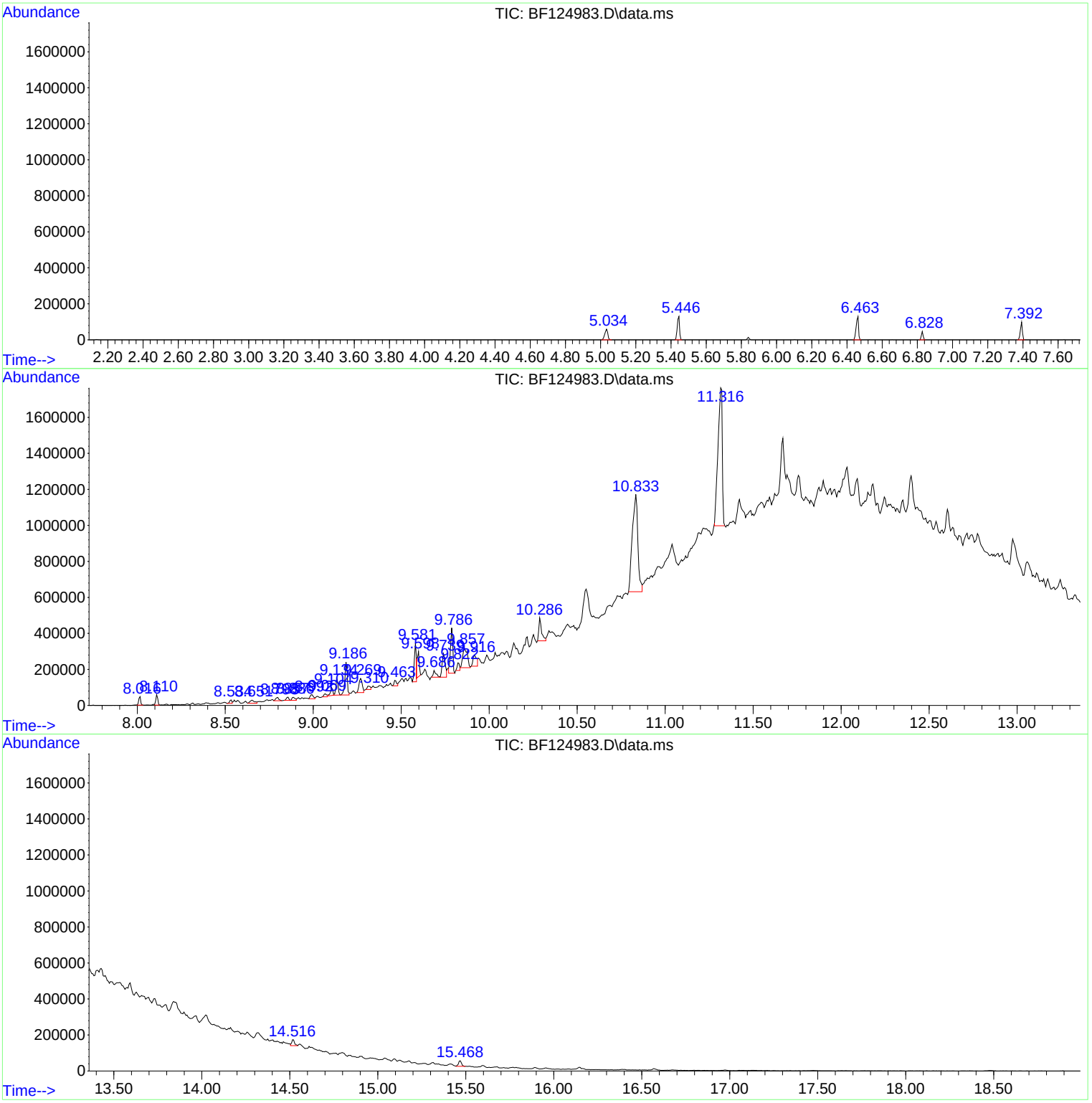
Sum of corrected areas: 4842390

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

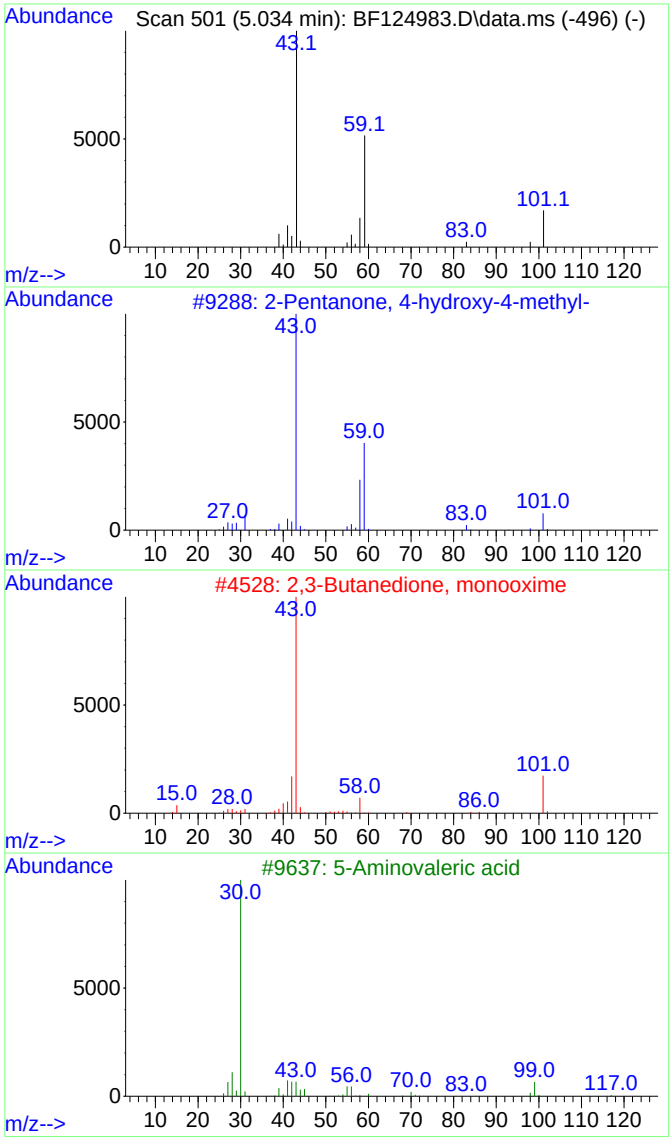
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

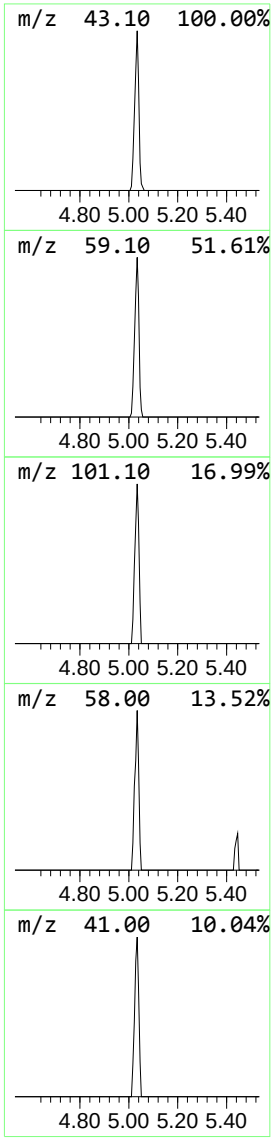
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.034 | 43.80 ng | 69713 | 1,4-Dichlorobenzene-d4 | 6.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 3 | 5-Aminovaleric acid | 117 | C5H11NO2 | 000660-88-8 | 9 |
| 4 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 9 |
| 5 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
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Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

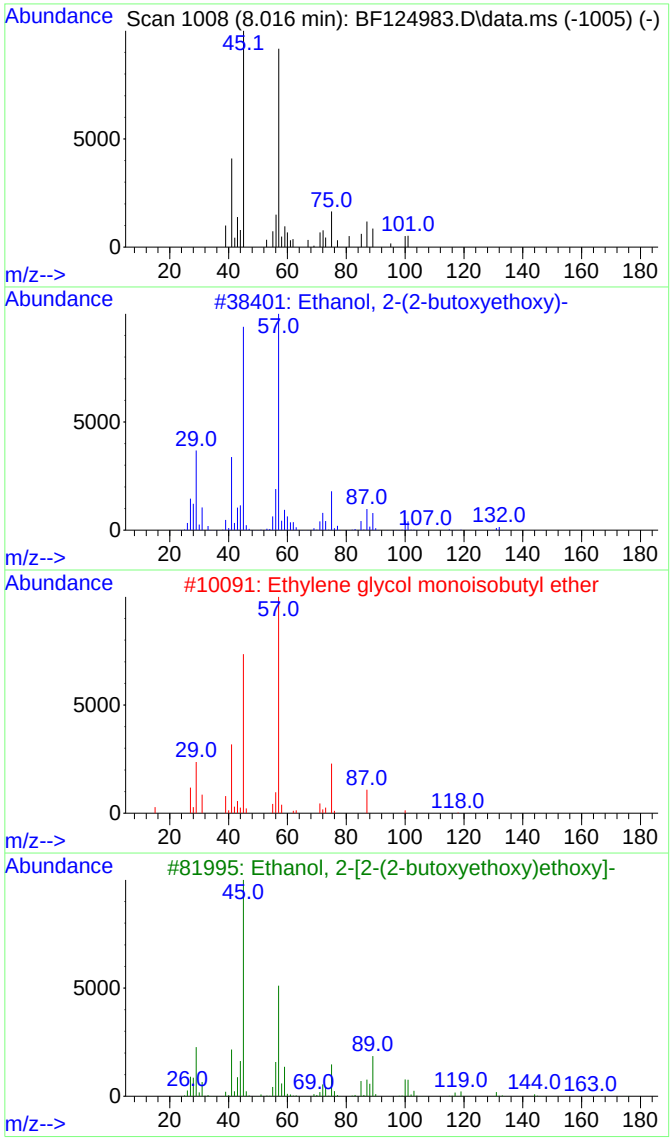
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

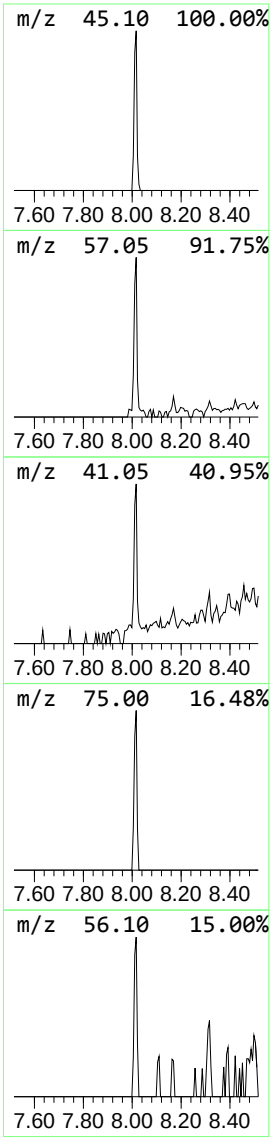
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.016 | 16.74 ng | 36594 | Naphthalene-d8 | 8.110 |

| 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 | 45 |
| 3 | Ethanol, 2-[2-(2-butoxyethoxy)et... | 206 | C10H22O4 | 000143-22-6 | 45 |
| 4 | Butane, 1-(1-methylpropoxy)- | 130 | C8H18O | 000999-65-5 | 42 |
| 5 | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3 | 018912-80-6 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

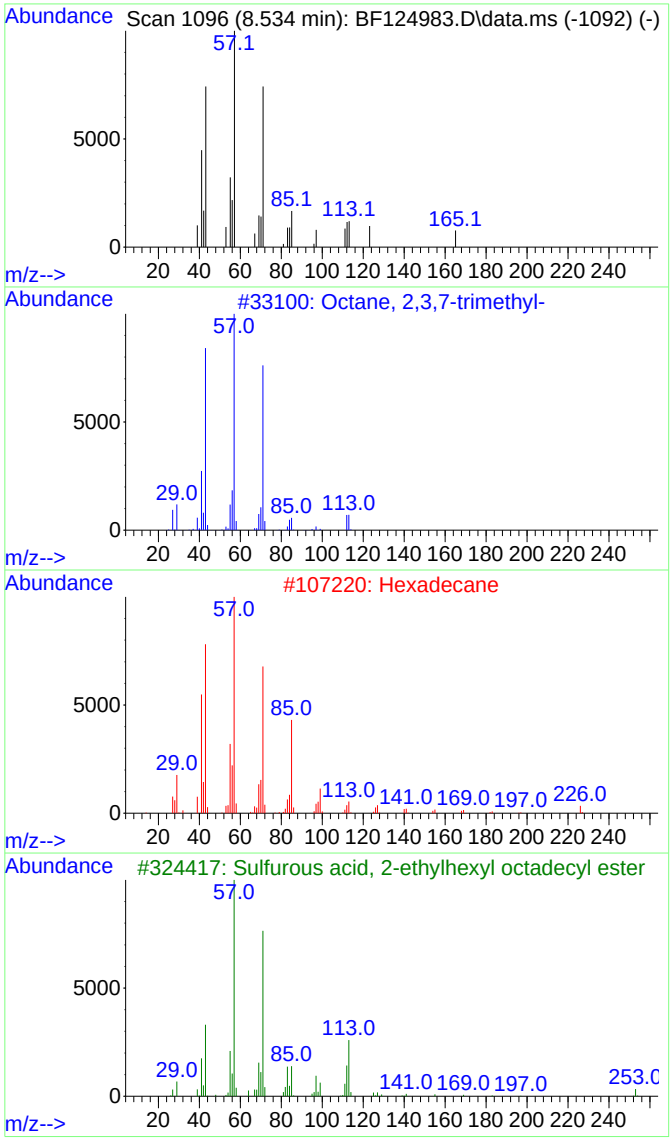
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

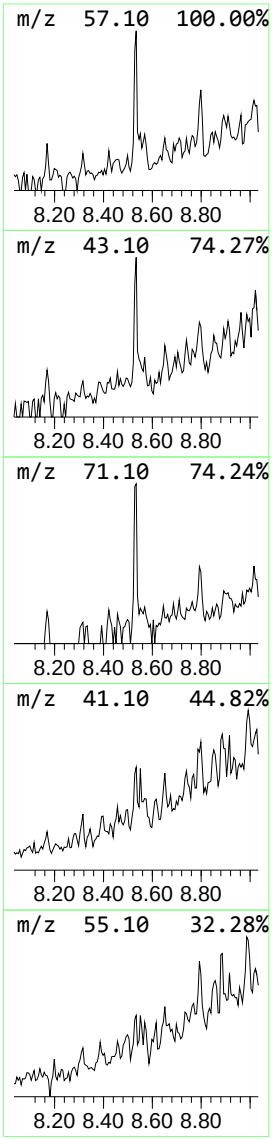
**********

Peak Number 3 Octane, 2,3,7-trimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.534 | 7.80 ng | 17064 | Naphthalene-d8 | 8.110 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,3,7-trimethyl- | 156 | C11H24 | 062016-34-6 | 72 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 59 |
| 3 | Sulfurous acid, 2-ethylhexyl oct... | 446 | C26H54O3S | 1000309-20-1 | 59 |
| 4 | Sulfurous acid, 2-ethylhexyl non... | 320 | C17H36O3S | 1010309-19-2 | 59 |
| 5 | Heptane, 5-ethyl-2-methyl- | 142 | C10H22 | 013475-78-0 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

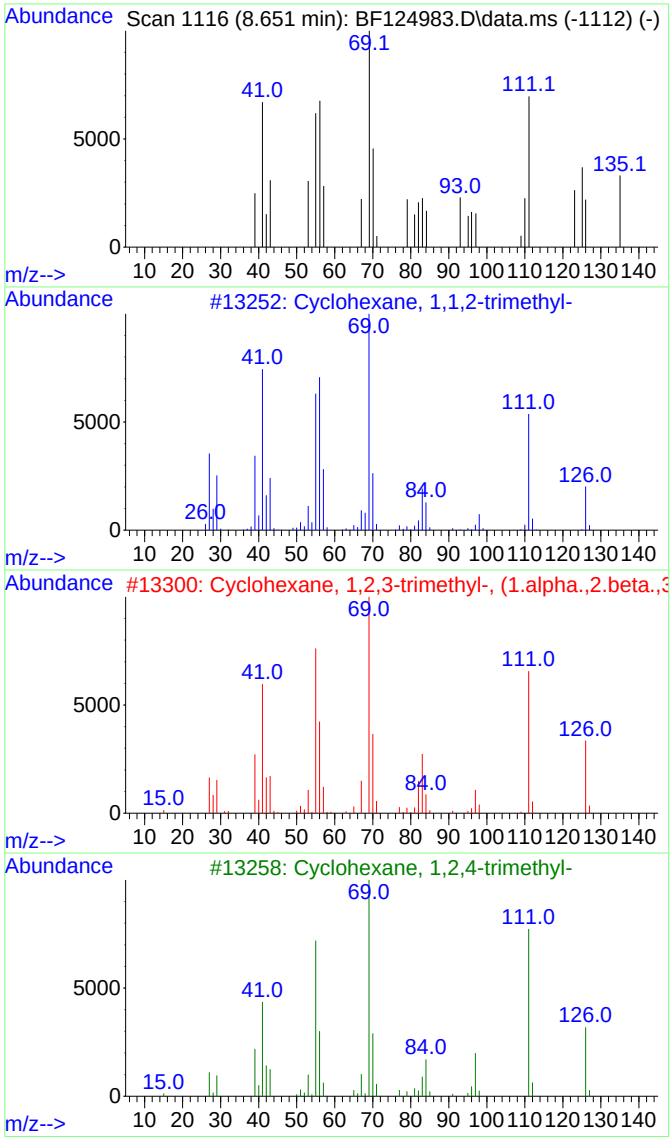
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

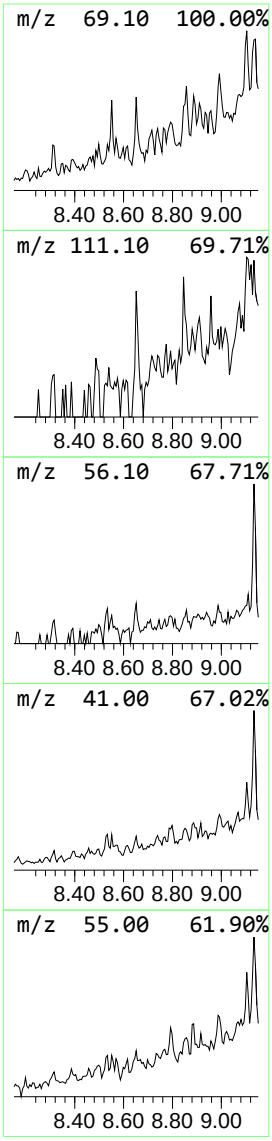
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Cyclohexane, 1,1,2-trimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.651 | 14.60 ng | 31924 | Naphthalene-d8 | 8.110 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1,2-trimethyl- | 126 | C9H18 | 007094-26-0 | 64 |
| 2 | Cyclohexane, 1,2,3-trimethyl-, (... | 126 | C9H18 | 001678-81-5 | 58 |
| 3 | Cyclohexane, 1,2,4-trimethyl- | 126 | C9H18 | 002234-75-5 | 49 |
| 4 | Cyclohexane, 1,3,5-trimethyl- | 126 | C9H18 | 001839-63-0 | 38 |
| 5 | Cyclohexane, (1,2-dimethylbutyl)- | 168 | C12H24 | 061142-37-8 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

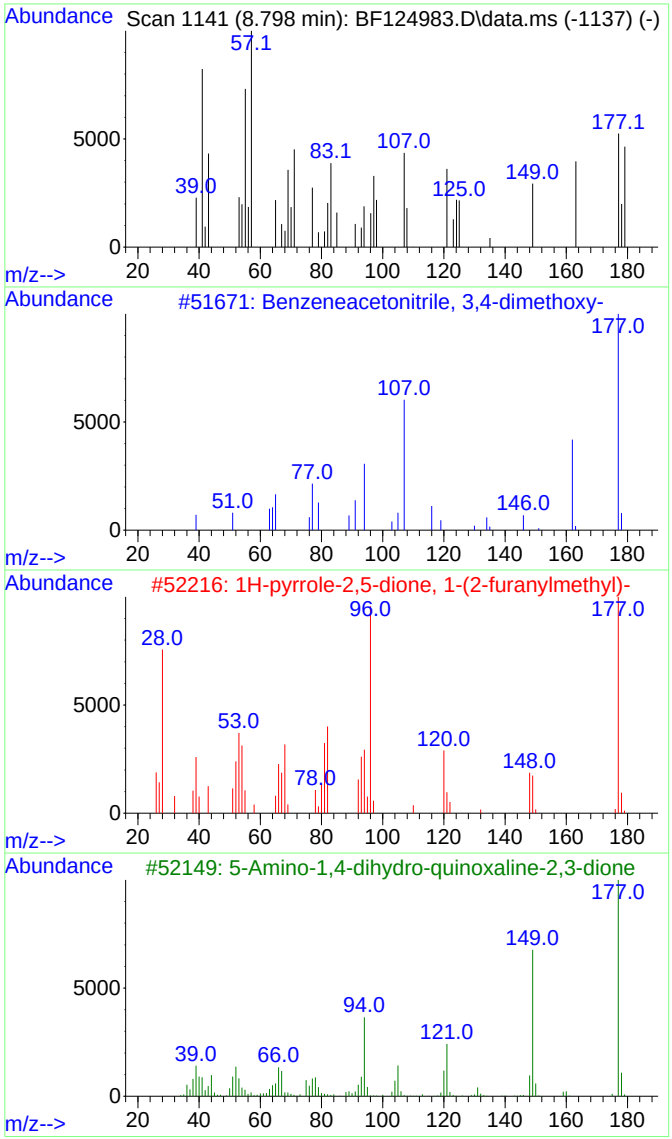
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

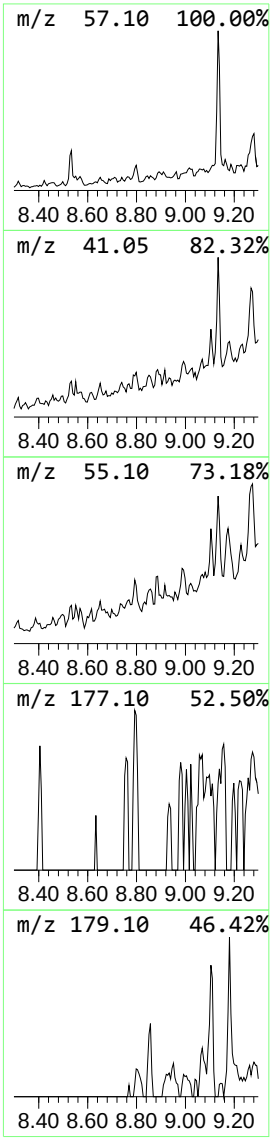
**********

Peak Number 5 unknown8.798 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.798 | 10.38 ng | 22685 | Naphthalene-d8 | 8.110 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzeneacetonitrile, 3,4-dimethoxy- | 177 | C10H11NO2 | 000093-17-4 | 14 |
| 2 | 1H-pyrrole-2,5-dione, 1-(2-furan... | 177 | C9H7NO3 | 1000404-74-0 | 9 |
| 3 | 5-Amino-1,4-dihydro-quinoxaline-... | 177 | C8H7N3O2 | 076097-87-5 | 9 |
| 4 | 10-Pentadecen-5-yn-1-ol, (E)- | 222 | C15H26O | 064275-59-8 | 9 |
| 5 | 4-(4-Fluorophenyl)-1H-pyrazol-3-... | 177 | C9H8FN3 | 005848-04-4 | 9 |



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Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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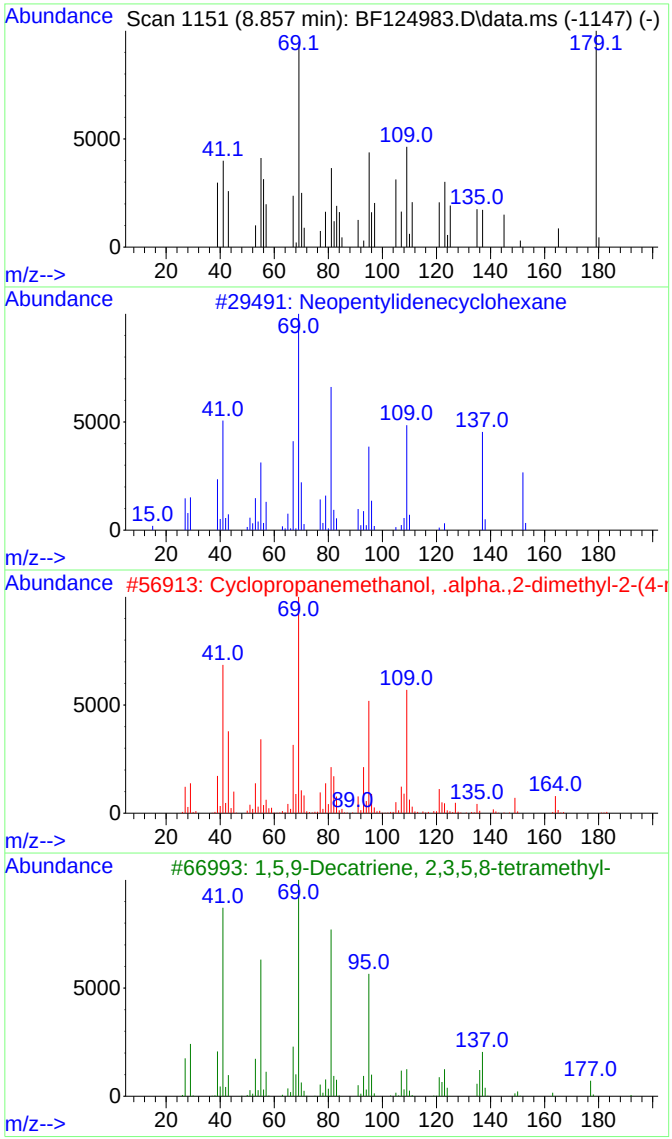
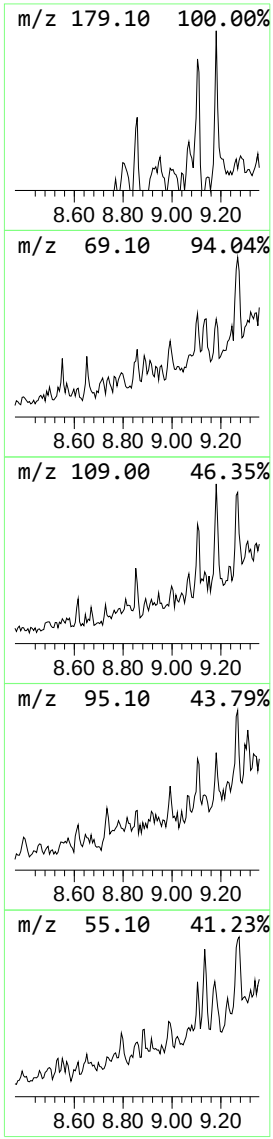
**********

Peak Number 6 unknown8.857 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.857 | 7.87 ng | 17204 | Naphthalene-d8 | 8.110 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Neopentylidenecyclohexane | 152 | C11H20 | 039546-80-0 | 35 |
| 2 | Cyclopropanemethanol, .alpha.,2-... | 182 | C12H22O | 121959-70-4 | 25 |
| 3 | 1,5,9-Decatriene, 2,3,5,8-tetram... | 192 | C14H24 | 230646-72-7 | 25 |
| 4 | (2,4-Dimethylcyclohexyl)methanol... | 142 | C9H18O | 1000499-02-8 | 25 |
| 5 | (1,2,4-Trimethylcyclohexyl)metha... | 198 | C12H22O2 | 1010499-04-6 | 22 |



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Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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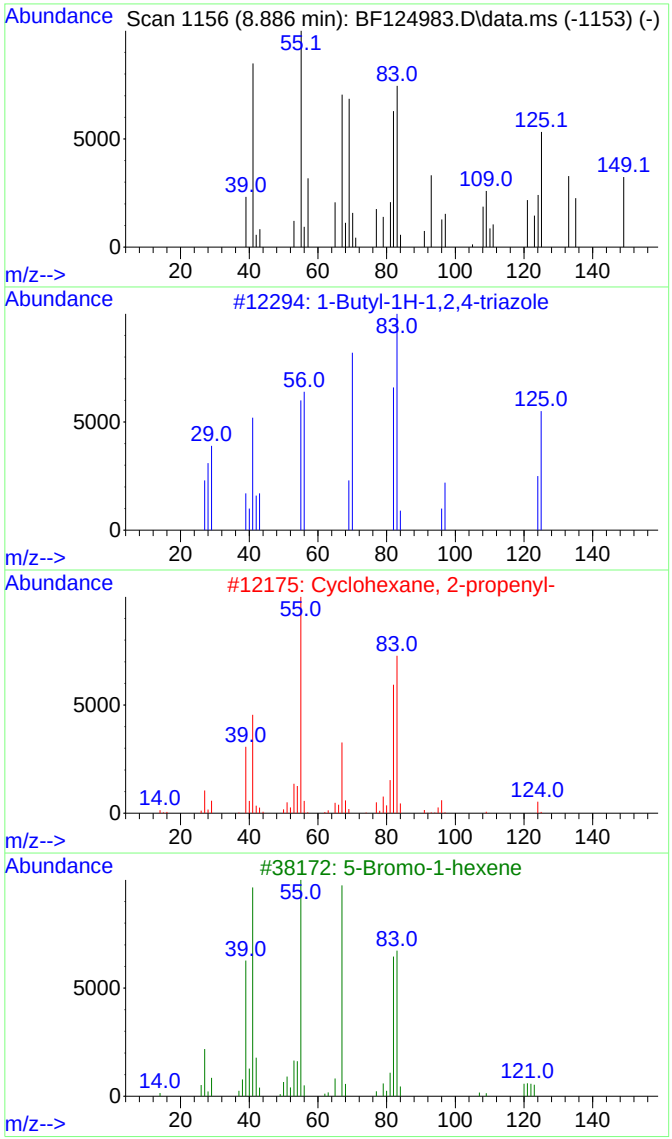
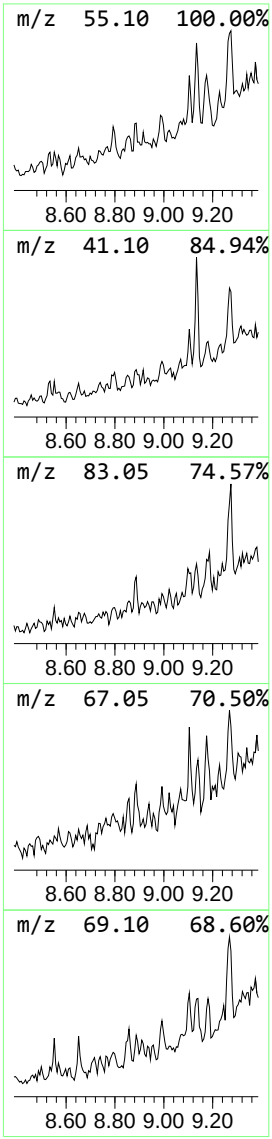
**********

Peak Number 7 unknown8.886 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.886 | 10.02 ng | 21899 | Naphthalene-d8 | 8.110 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Butyl-1H-1,2,4-triazole | 125 | C6H11N3 | 006086-22-2 | 43 |
| 2 | Cyclohexane, 2-propenyl- | 124 | C9H16 | 002114-42-3 | 38 |
| 3 | 5-Bromo-1-hexene | 162 | C6H11Br | 004558-27-4 | 38 |
| 4 | Decanedinitrile | 164 | C10H16N2 | 001871-96-1 | 35 |
| 5 | 1-Acetyl-3-piperidinamine, N-ace... | 184 | C9H16N2O2 | 389623-44-3 | 27 |



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Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

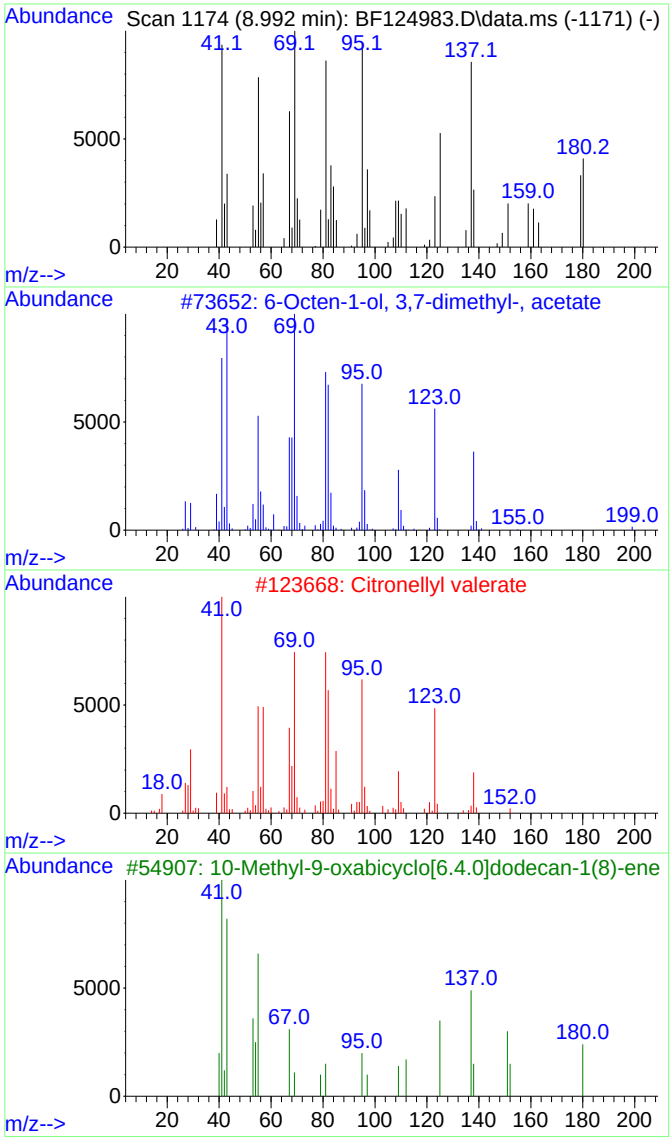
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

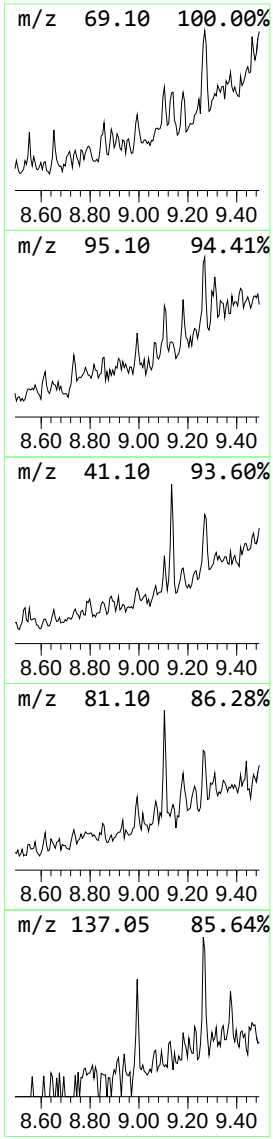
**********

Peak Number 8 unknown8.992 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.992 | 13.59 ng | 29722 | Naphthalene-d8 | 8.110 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6-Octen-1-ol, 3,7-dimethyl-, ace... | 198 | C12H22O2 | 000150-84-5 | 43 |
| 2 | Citronellyl valerate | 240 | C15H28O2 | 007540-53-6 | 32 |
| 3 | 10-Methyl-9-oxabicyclo[6.4.0]dod... | 180 | C12H20O | 110288-22-7 | 30 |
| 4 | Bicyclo[4.1.0]heptane, 3,7,7-tri... | 138 | C10H18 | 000554-59-6 | 27 |
| 5 | Cyclohexane, 1-methyl-4-(1-methy... | 138 | C10H18 | 001124-27-2 | 25 |



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Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

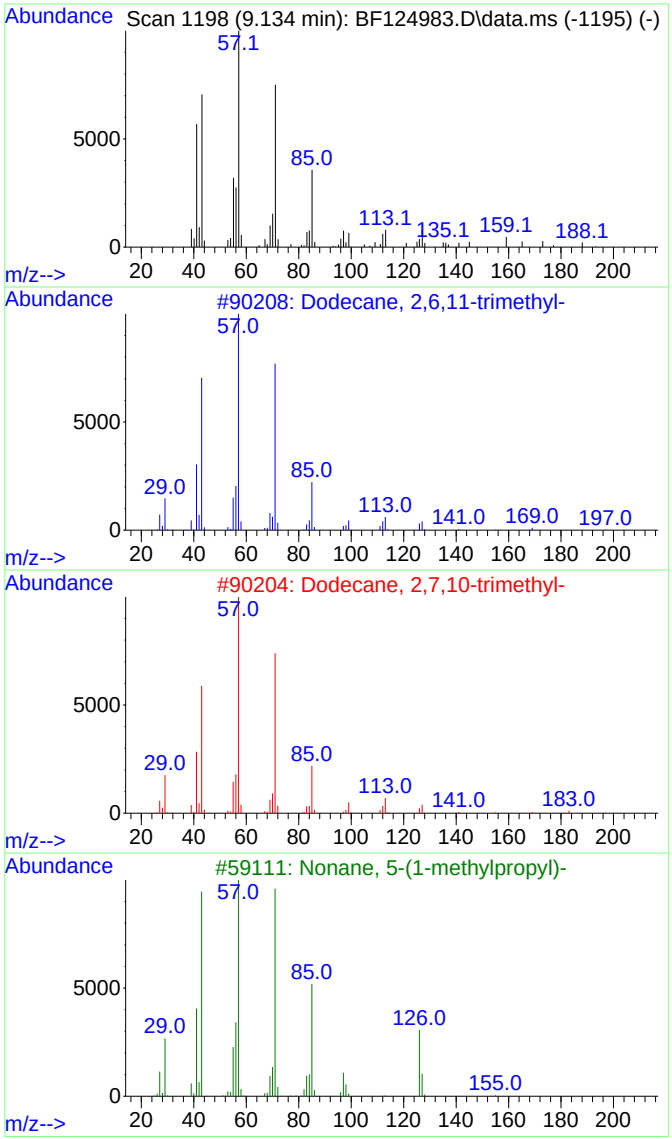
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

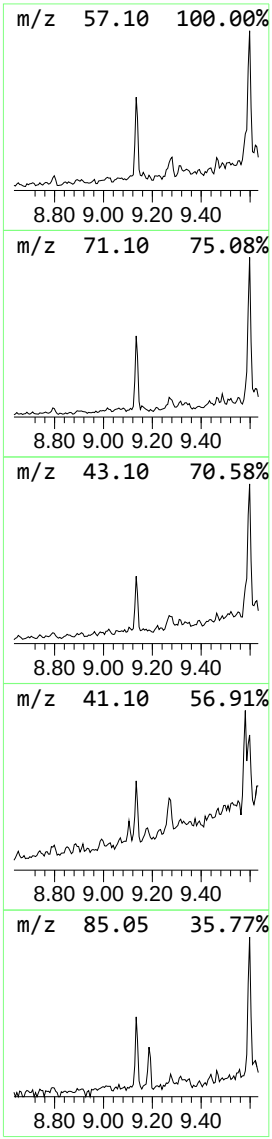
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Dodecane, 2,6,11-trimethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.134 | 7.99 ng | 80158 | Acenaphthene-d10 | 9.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 90 |
| 2 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 86 |
| 3 | Nonane, 5-(1-methylpropyl)- | 184 | C13H28 | 062185-54-0 | 80 |
| 4 | Octane, 2-methyl- | 128 | C9H20 | 003221-61-2 | 80 |
| 5 | Nonane, 3,7-dimethyl- | 156 | C11H24 | 017302-32-8 | 78 |



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Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

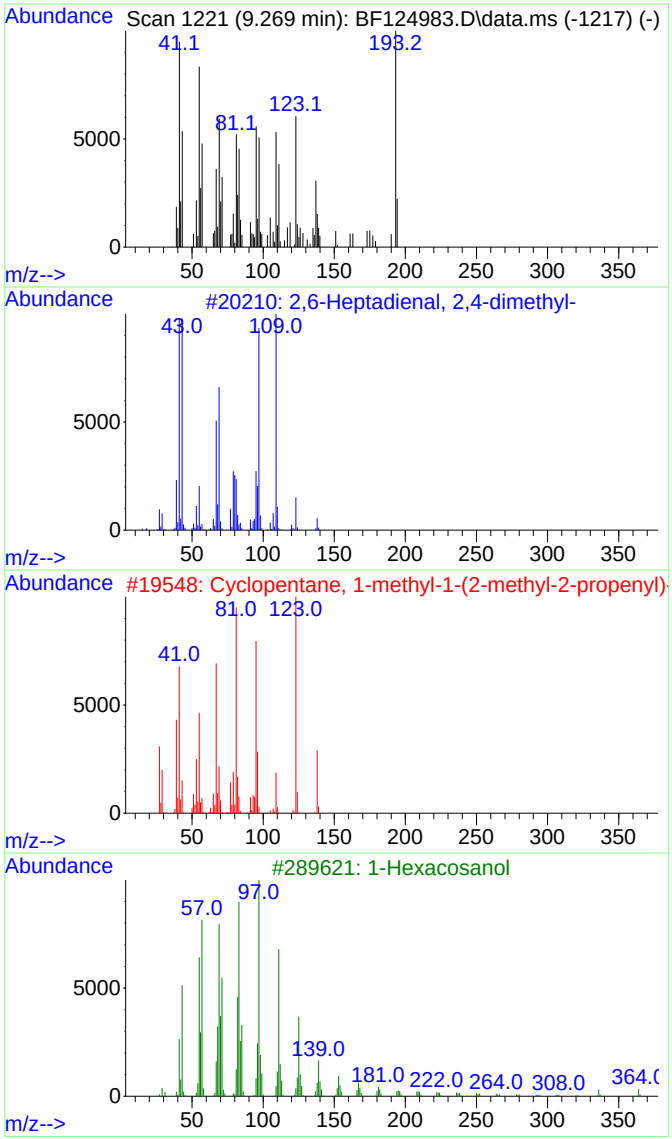
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

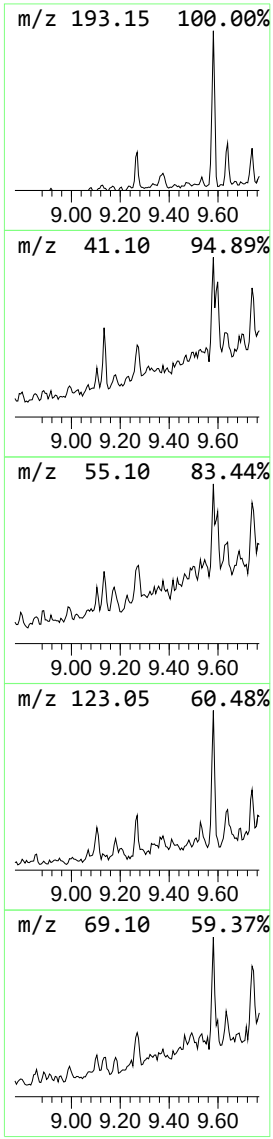
**********

Peak Number 10 unknown9.269 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.269 | 10.20 ng | 102355 | Acenaphthene-d10 | 9.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,6-Heptadienal, 2,4-dimethyl- | 138 | C9H14O | 085136-08-9 | 35 |
| 2 | Cyclopentane, 1-methyl-1-(2-meth... | 138 | C10H18 | 074764-47-9 | 25 |
| 3 | 1-Hexacosanol | 382 | C26H54O | 000506-52-5 | 14 |
| 4 | Ethanone, 1-(3-fluorophenyl)- | 138 | C8H7FO | 000455-36-7 | 11 |
| 5 | Iminostilbene | 193 | C14H11N | 000256-96-2 | 11 |



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Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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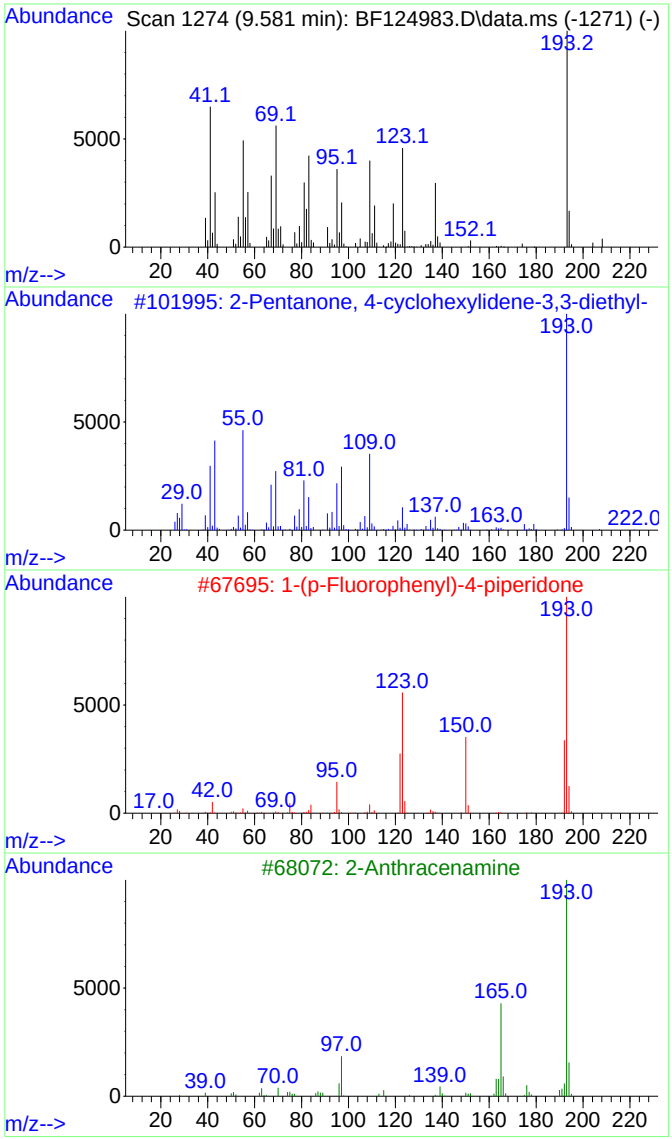
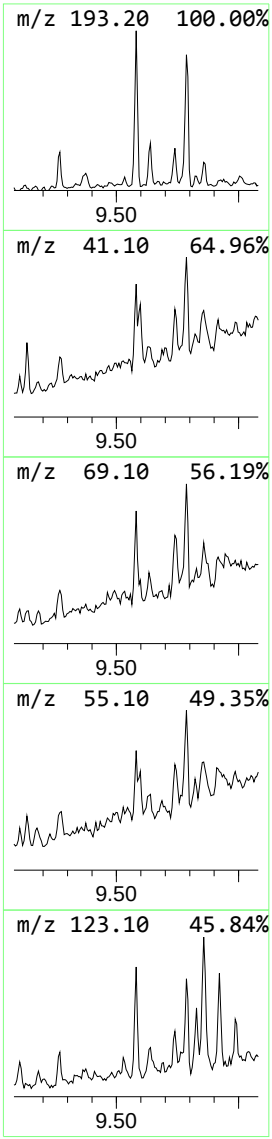
Peak Number 11 unknown9.581 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.581 | 17.62 ng | 176877 | Acenaphthene-d10 | 9.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-cyclohexylidene-3... | 222 | C15H26O | 313253-65-5 | 37 |
| 2 | 1-(p-Fluorophenyl)-4-piperidone | 193 | C11H12FNO | 1000238-56-7 | 32 |
| 3 | 2-Anthracenamine | 193 | C14H11N | 000613-13-8 | 25 |
| 4 | Pyrazole, 5-methyl-3-(5-nitro-2-... | 193 | C8H7N3O3 | 016239-90-0 | 25 |
| 5 | Decahydro-1,1,4a,5,6-pentamethyl... | 208 | C15H28 | 080655-44-3 | 25 |



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Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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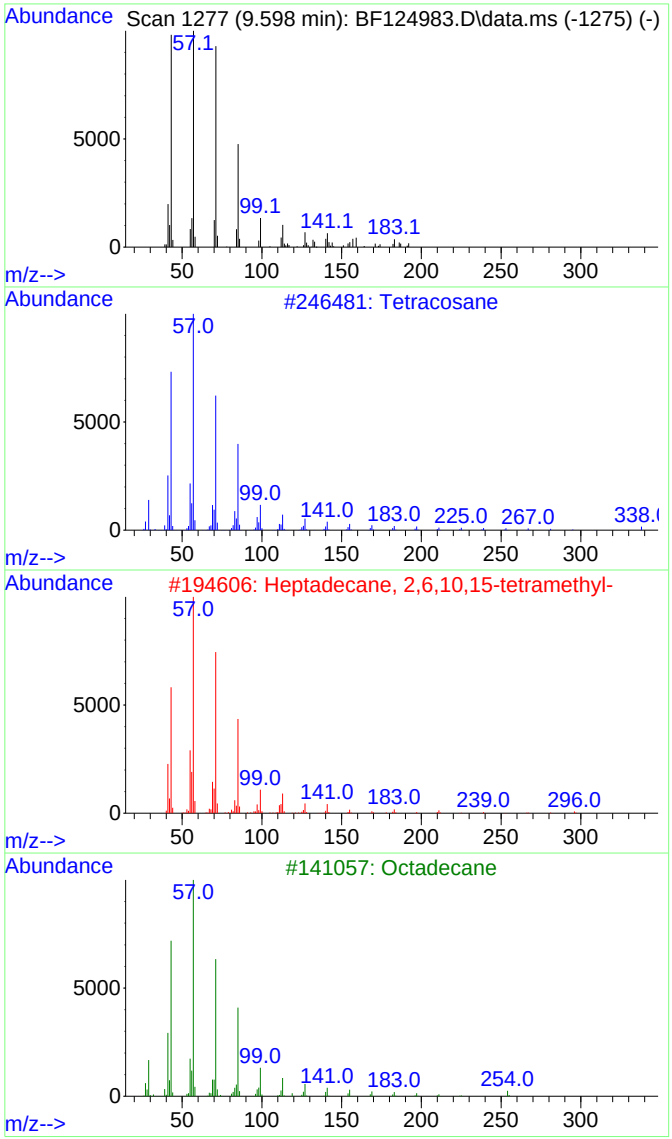
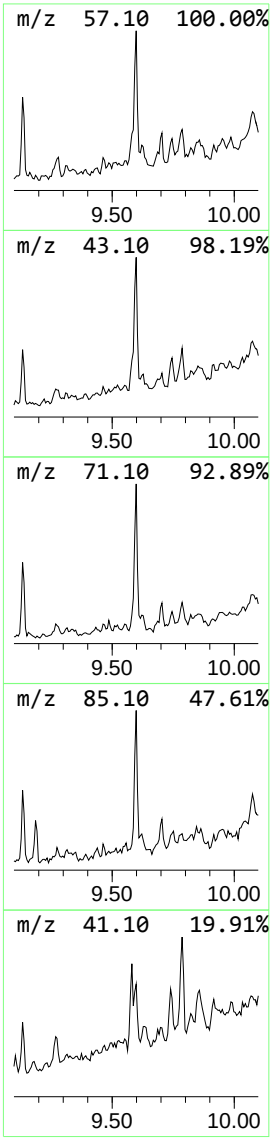
Peak Number 12 Tetracosane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.598 | 10.73 ng | 107703 | Acenaphthene-d10 | 9.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 86 |
| 2 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 86 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 86 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 80 |
| 5 | Tetradecane, 4-methyl- | 212 | C15H32 | 025117-24-2 | 80 |



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Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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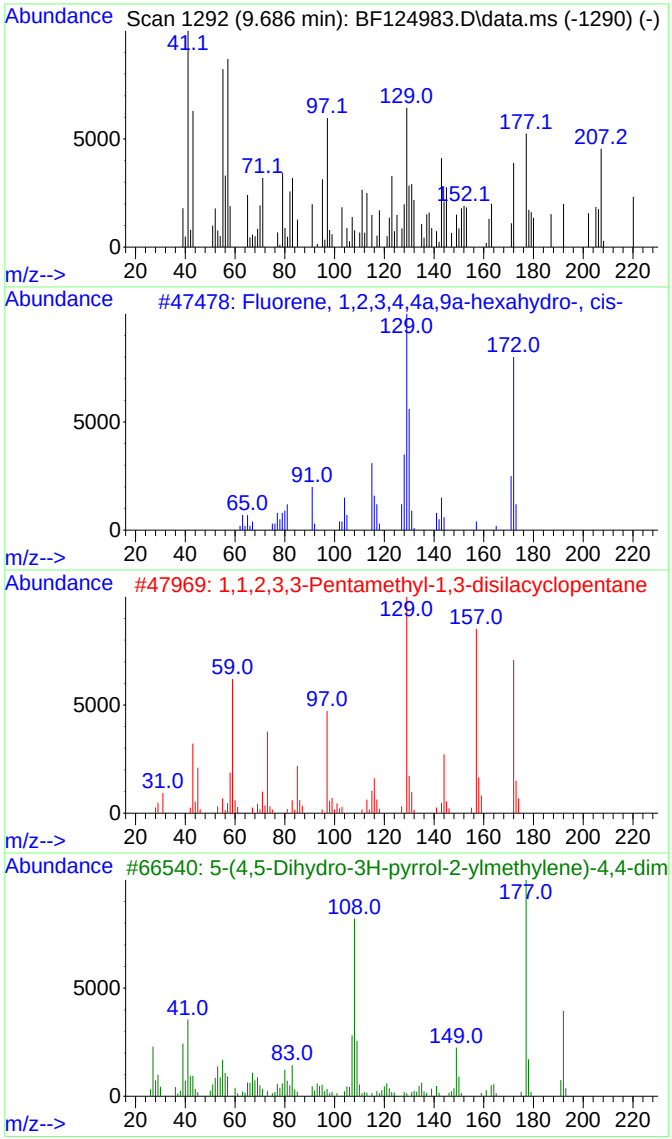
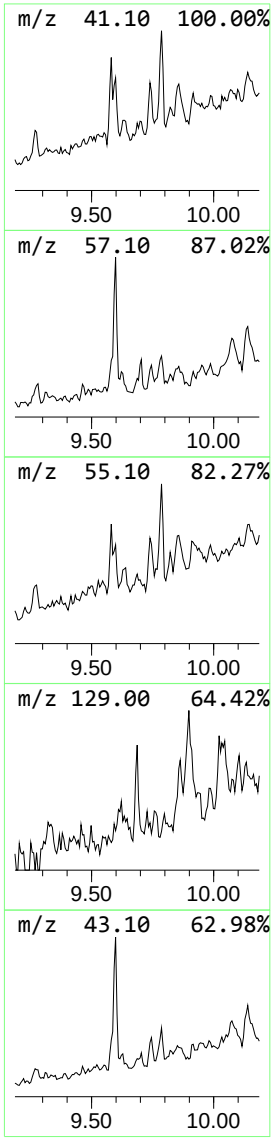
Peak Number 13 unknown9.686 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.686 | 4.23 ng | 42436 | Acenaphthene-d10 | 9.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluorene, 1,2,3,4,4a,9a-hexahydr... | 172 | C13H16 | 001559-97-3 | 25 |
| 2 | 1,1,2,3,3-Pentamethyl-1,3-disila... | 172 | C8H20Si2 | 1000433-93-6 | 14 |
| 3 | 5-(4,5-Dihydro-3H-pyrrol-2-ylmet... | 192 | C11H16N2O | 051430-87-6 | 11 |
| 4 | Damascone, .beta.- | 192 | C13H20O | 023726-91-2 | 10 |
| 5 | 2,6-Diisopropylanisole | 192 | C13H20O | 002944-52-7 | 10 |



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Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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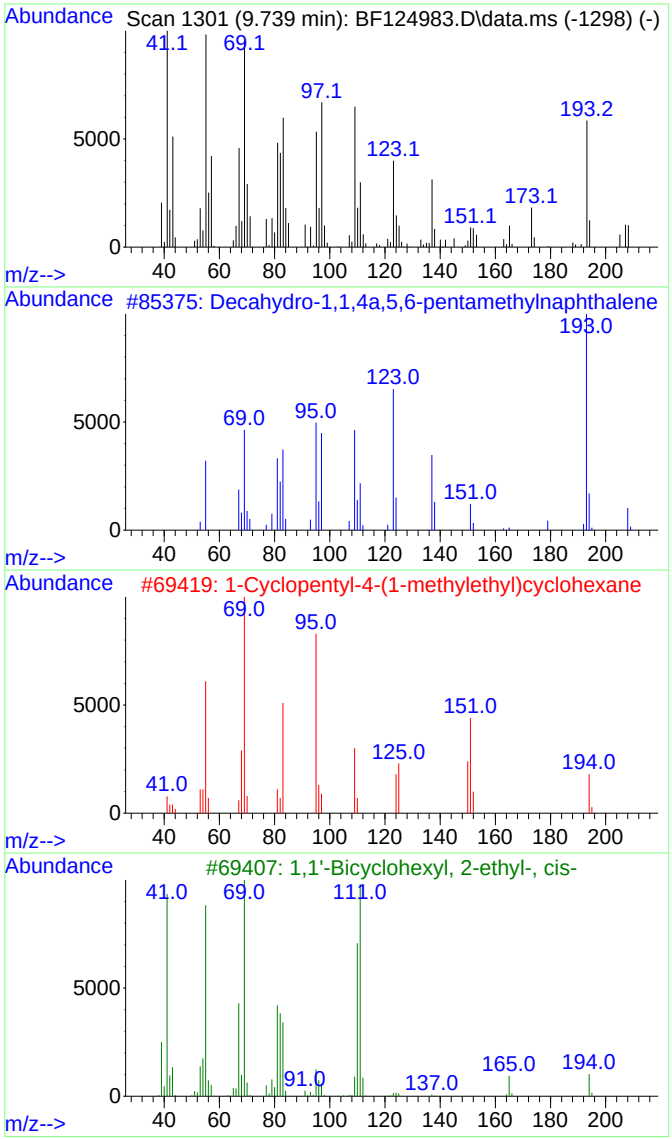
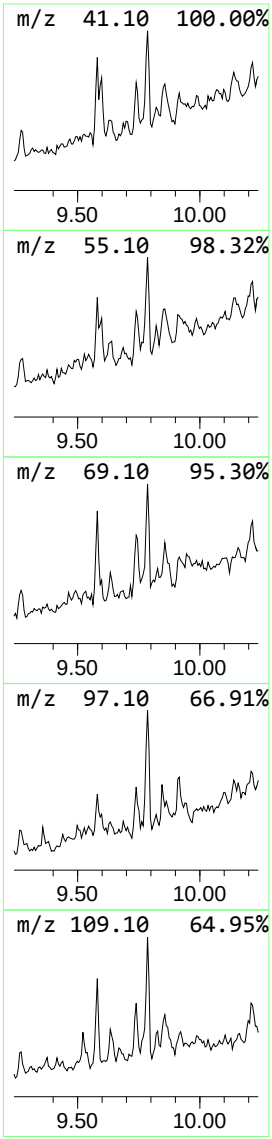
Peak Number 14 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.739 | 15.81 ng | 158724 | Acenaphthene-d10 | 9.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decahydro-1,1,4a,5,6-pentamethyl... | 208 | C15H28 | 080655-44-3 | 58 |
| 2 | 1-Cyclopentyl-4-(1-methylethyl)c... | 194 | C14H26 | 1000215-44-4 | 35 |
| 3 | 1,1'-Bicyclohexyl, 2-ethyl-, cis- | 194 | C14H26 | 050991-12-3 | 35 |
| 4 | Cyclopropane carboxamide, 2-cycl... | 207 | C13H21NO | 331416-19-4 | 30 |
| 5 | 7-Tetradecanol | 214 | C14H30O | 003981-79-1 | 22 |



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Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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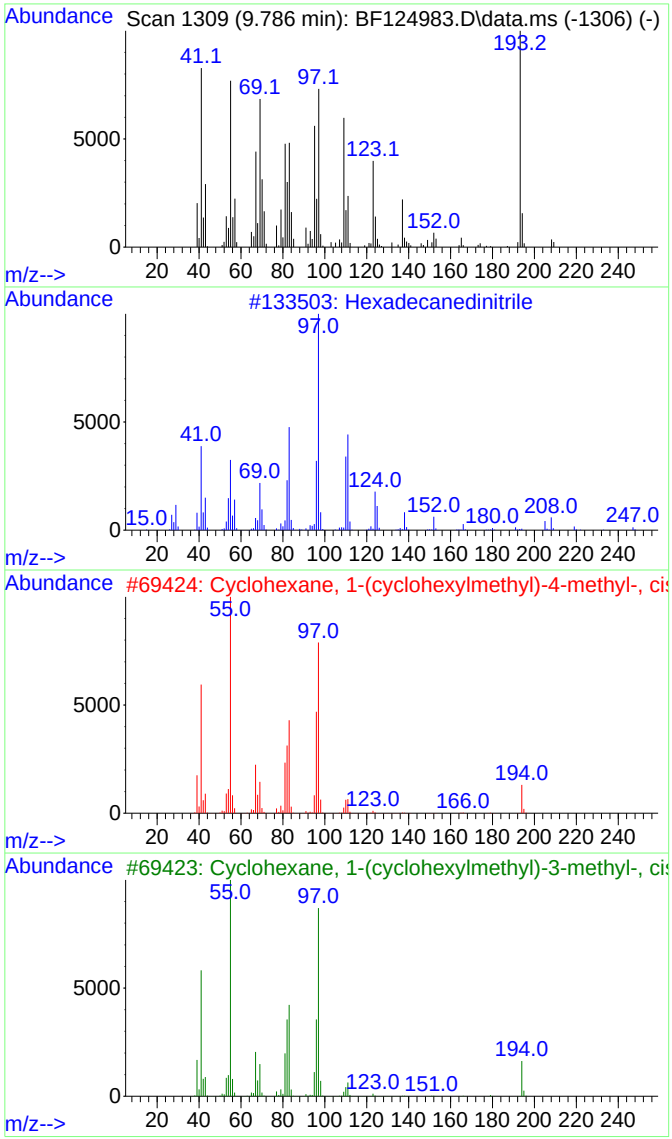
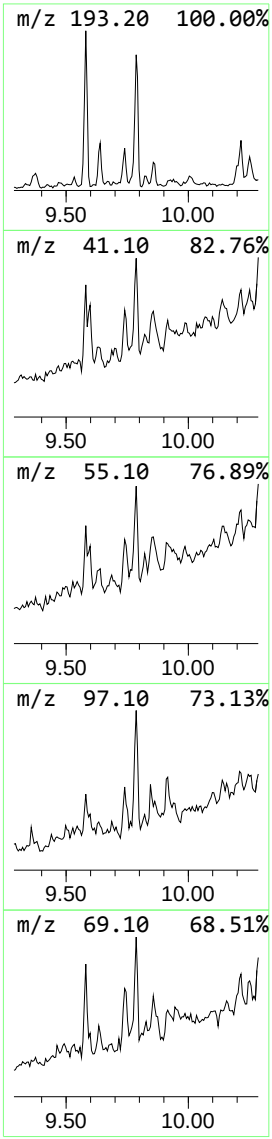
Peak Number 15 unknown9.786 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.786 | 22.80 ng | 228833 | Acenaphthene-d10 | 9.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanedinitrile | 248 | C16H28N2 | 006812-44-8 | 27 |
| 2 | Cyclohexane, 1-(cyclohexylmethyl... | 194 | C14H26 | 054823-97-1 | 25 |
| 3 | Cyclohexane, 1-(cyclohexylmethyl... | 194 | C14H26 | 054823-96-0 | 22 |
| 4 | 6-Acetamido-1,4-benzodioxane | 193 | C10H11NO3 | 063546-19-0 | 22 |
| 5 | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18 | 000473-55-2 | 20 |



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Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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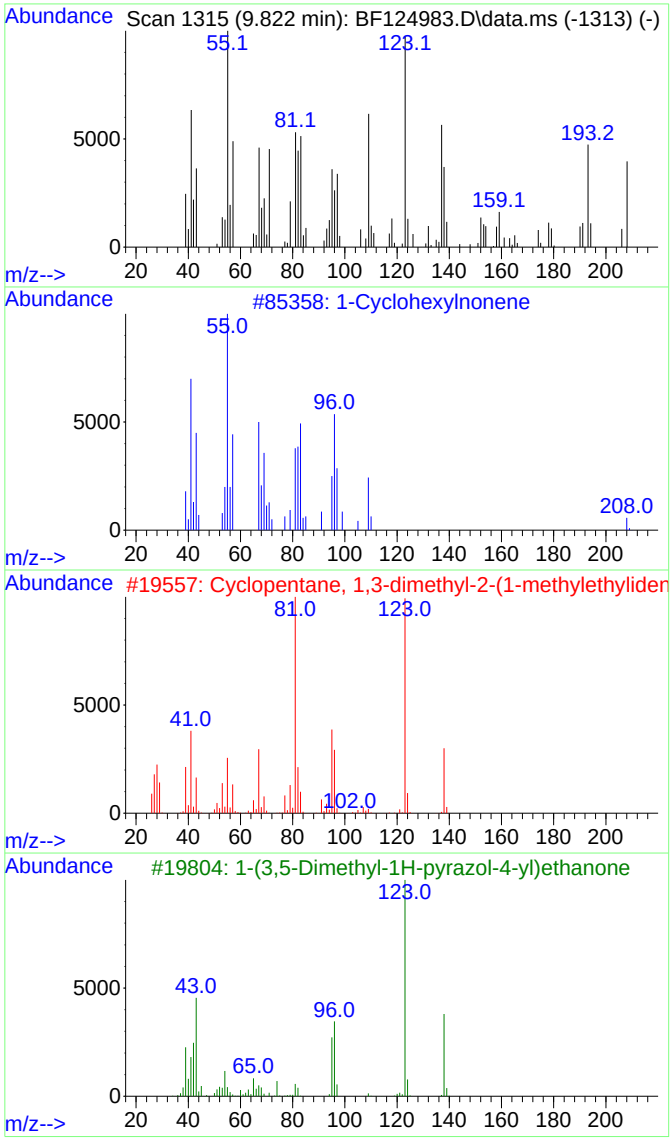
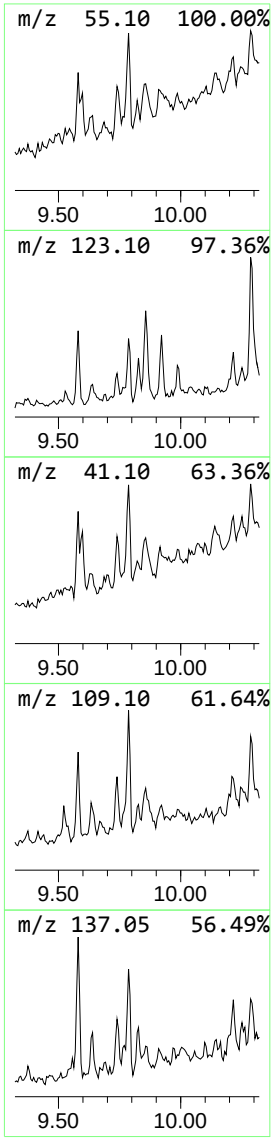
Peak Number 16 unknown9.822 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.822 | 3.92 ng | 39320 | Acenaphthene-d10 | 9.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Cyclohexylnonene | 208 | C15H28 | 114614-84-5 | 45 |
| 2 | Cyclopentane, 1,3-dimethyl-2-(1-... | 138 | C10H18 | 061142-30-1 | 30 |
| 3 | 1-(3,5-Dimethyl-1H-pyrazol-4-yl)... | 138 | C7H10N2O | 001123-48-4 | 30 |
| 4 | formamide, N-(4-butoxyphenyl)- | 193 | C11H15NO2 | 1000400-28-0 | 30 |
| 5 | 2-(2-Methylcyclopropyl)thiophene | 138 | C8H10S | 087688-54-8 | 30 |



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Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

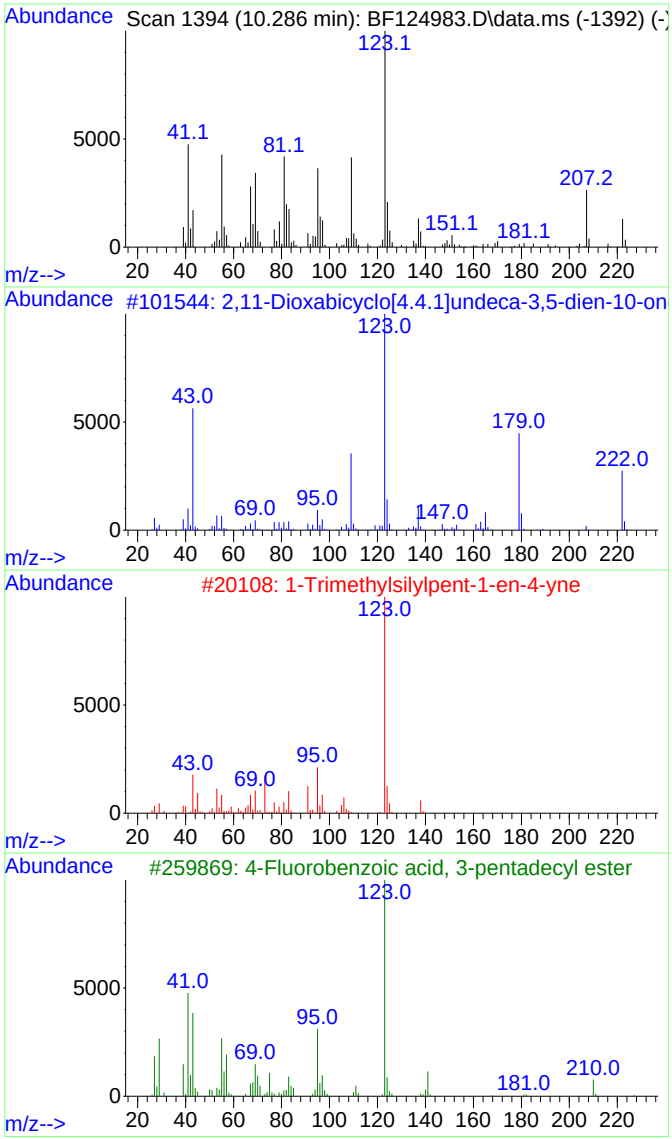
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

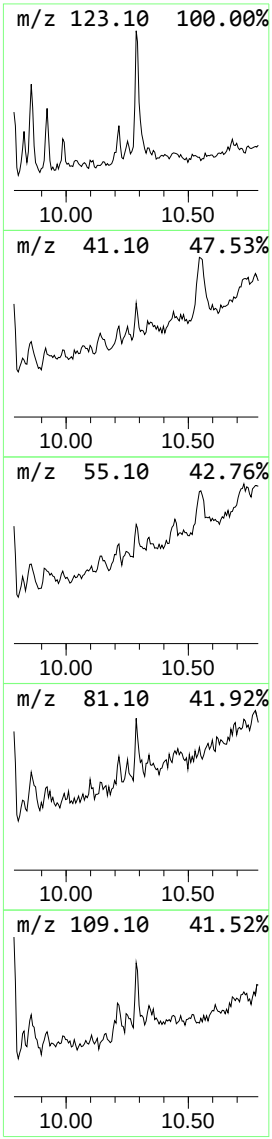
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 2,11-Dioxabicyclo[4.4.1]und... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.286 | 13.95 ng | 140014 | Acenaphthene-d10 | 9.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,11-Dioxabicyclo[4.4.1]undeca-3... | 222 | C13H18O3 | 070412-52-1 | 53 |
| 2 | 1-Trimethylsilylpent-1-en-4-yne | 138 | C8H14Si | 079516-25-9 | 43 |
| 3 | 4-Fluorobenzoic acid, 3-pentadec... | 350 | C22H35FO2 | 1000280-68-4 | 38 |
| 4 | 4-Fluorobenzoic acid, 3-methylbu... | 208 | C12H13FO2 | 1000299-15-1 | 38 |
| 5 | Bromo-4-fluoroacetophenone | 216 | C8H6BrFO | 000403-29-2 | 38 |



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Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

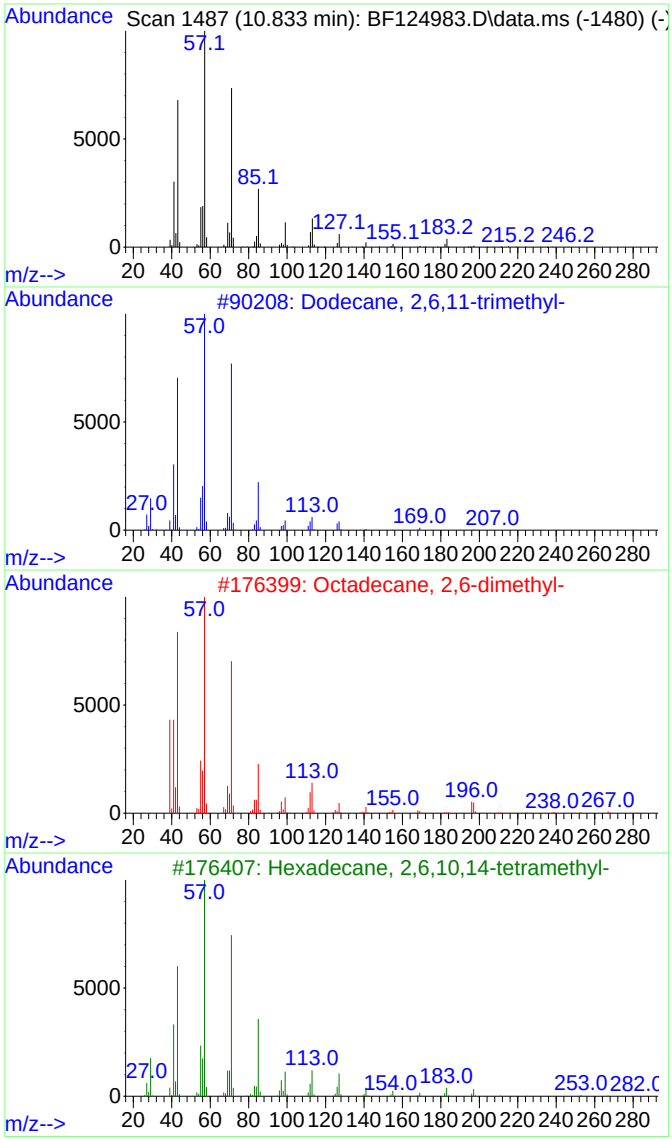
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

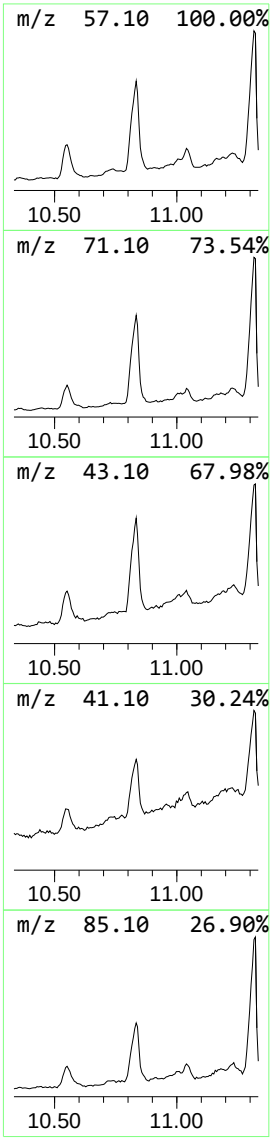
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Octadecane, 2,6-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.833 | 18.15 ng | 1176600 | Phenanthrene-d10 | 11.398 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 78 |
| 2 | Octadecane, 2,6-dimethyl- | 282 | C20H42 | 075163-97-2 | 72 |
| 3 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 64 |
| 4 | Dodecane, 4,6-dimethyl- | 198 | C14H30 | 061141-72-8 | 64 |
| 5 | Undecane, 4,6-dimethyl- | 184 | C13H28 | 017312-82-2 | 58 |



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Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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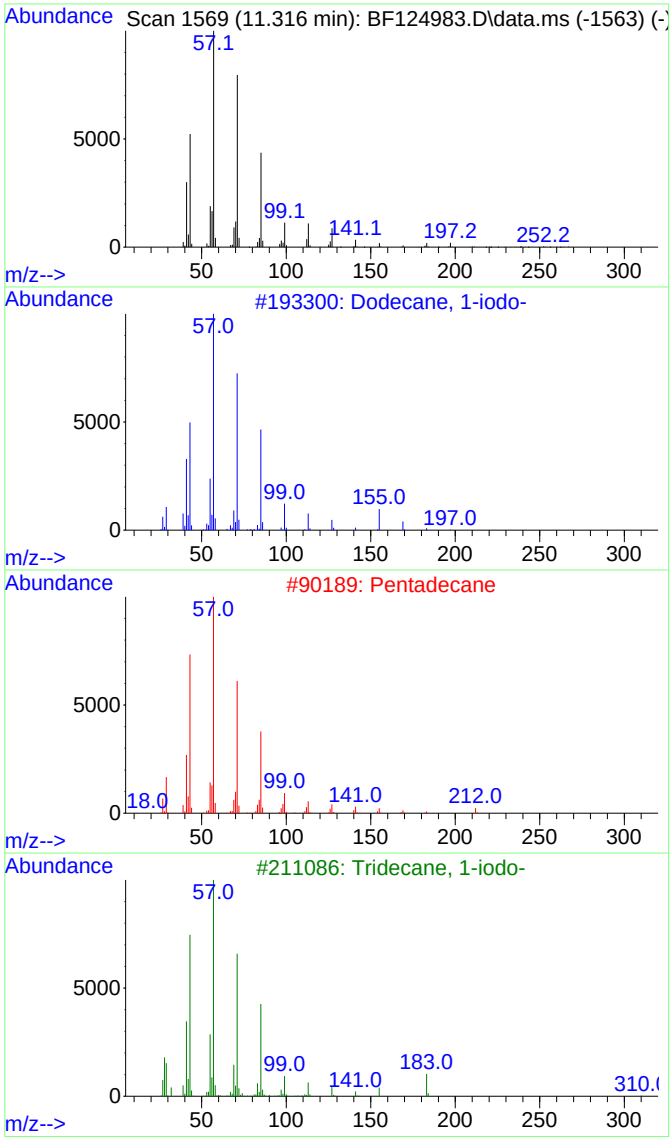
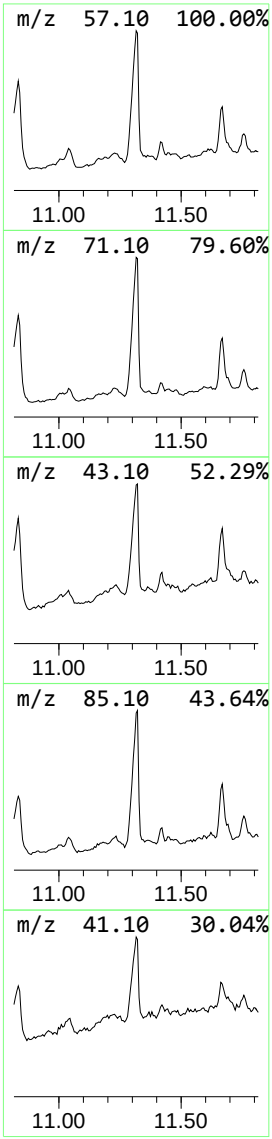
Peak Number 19 Dodecane, 1-iodo- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.316 | 20.00 ng | 1296380 | Phenanthrene-d10 | 11.398 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 86 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 83 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 83 |
| 4 | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 83 |
| 5 | Nonadecane | 268 | C19H40 | 000629-92-5 | 78 |



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Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

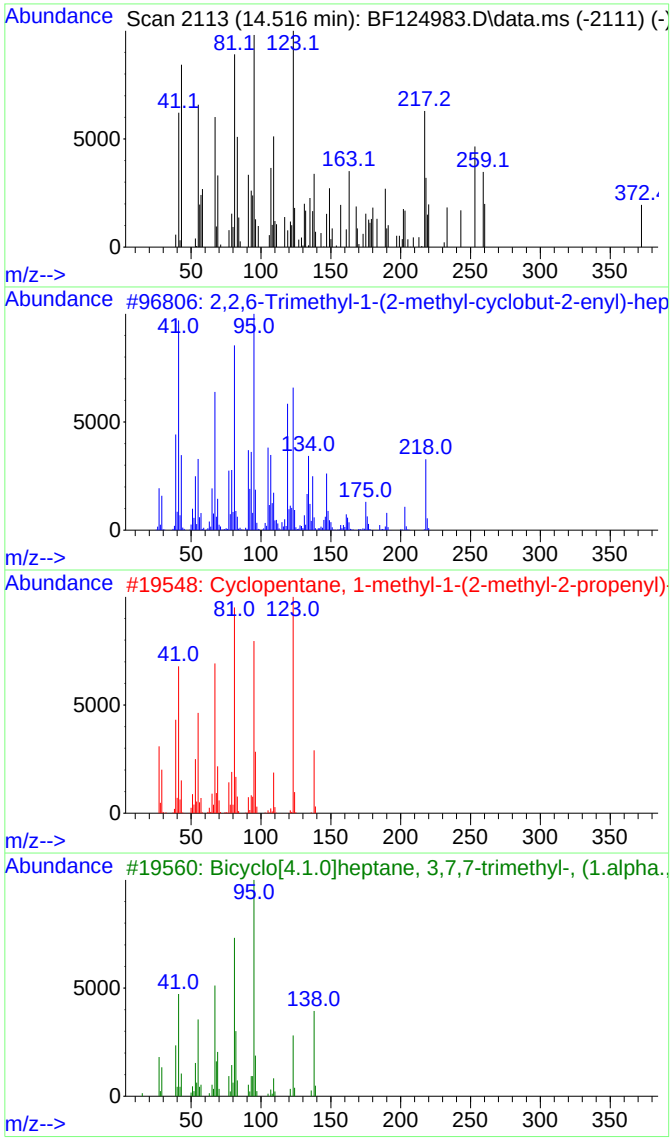
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

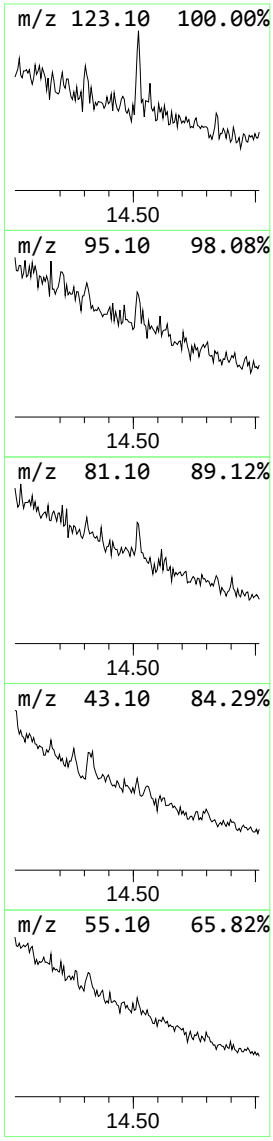
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 2,2,6-Trimethyl-1-(2-methyl... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.515 | 20.00 ng | 35781 | Chrysene-d12 | 14.027 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2,6-Trimethyl-1-(2-methyl-cycl... | 218 | C15H22O | 1000188-72-8 | 53 |
| 2 | Cyclopentane, 1-methyl-1-(2-meth... | 138 | C10H18 | 074764-47-9 | 43 |
| 3 | Bicyclo[4.1.0]heptane, 3,7,7-tri... | 138 | C10H18 | 018968-23-5 | 38 |
| 4 | 6-Isopropenyl-4,8a-dimethyl-4a,5... | 218 | C15H22O | 086917-79-5 | 35 |
| 5 | Cyclohexane, 1-methyl-4-(1-methy... | 138 | C10H18 | 001879-07-8 | 30 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
Data File : BF124983.D
Acq On : 7 Aug 2021 20:03
Operator : JU/CG
Sample : M3289-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26562

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-... | 5.034 | 43.8 | ng | 69713 | 1 | 6.828 | 31829 | 20.0 |
| Ethanol, 2-(2-b... | 8.016 | 16.7 | ng | 36594 | 2 | 8.110 | 43730 | 20.0 |
| Octane, 2,3,7-t... | 8.534 | 7.8 | ng | 17064 | 2 | 8.110 | 43730 | 20.0 |
| Cyclohexane, 1,... | 8.651 | 14.6 | ng | 31924 | 2 | 8.110 | 43730 | 20.0 |
| unknown8.798 | 8.798 | 10.4 | ng | 22685 | 2 | 8.110 | 43730 | 20.0 |
| unknown8.857 | 8.857 | 7.9 | ng | 17204 | 2 | 8.110 | 43730 | 20.0 |
| unknown8.886 | 8.886 | 10.0 | ng | 21899 | 2 | 8.110 | 43730 | 20.0 |
| unknown8.992 | 8.992 | 13.6 | ng | 29722 | 2 | 8.110 | 43730 | 20.0 |
| Dodecane, 2,6,1... | 9.134 | 8.0 | ng | 80158 | 3 | 9.875 | 200760 | 20.0 |
| unknown9.269 | 9.269 | 10.2 | ng | 102355 | 3 | 9.875 | 200760 | 20.0 |
| unknown9.581 | 9.581 | 17.6 | ng | 176877 | 3 | 9.875 | 200760 | 20.0 |
| Tetracosane | 9.598 | 10.7 | ng | 107703 | 3 | 9.875 | 200760 | 20.0 |
| unknown9.686 | 9.686 | 4.2 | ng | 42436 | 3 | 9.875 | 200760 | 20.0 |
| Decahydro-1,1,4... | 9.739 | 15.8 | ng | 158724 | 3 | 9.875 | 200760 | 20.0 |
| unknown9.786 | 9.786 | 22.8 | ng | 228833 | 3 | 9.875 | 200760 | 20.0 |
| unknown9.822 | 9.822 | 3.9 | ng | 39320 | 3 | 9.875 | 200760 | 20.0 |
| 2,11-Dioxabicyc... | 10.286 | 13.9 | ng | 140014 | 3 | 9.875 | 200760 | 20.0 |
| Octadecane, 2,6... | 10.833 | 18.1 | ng | 1176600 | 4 | 11.398 | 1296380 | 20.0 |
| Dodecane, 1-iodo- | 11.316 | 20.0 | ng | 1296380 | 4 | 11.398 | 1296380 | 20.0 |
| 2,2,6-Trimethyl... | 14.515 | 20.0 | ng | 35781 | 5 | 14.027 | 35781 | 20.0 |