

Report Date: January 4, 2022

QSM quality check screenshots

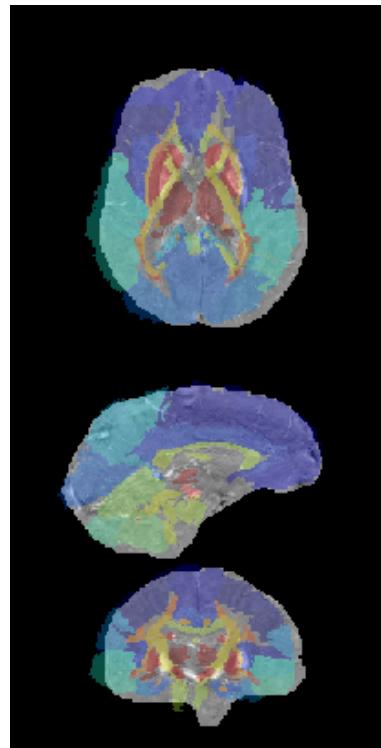
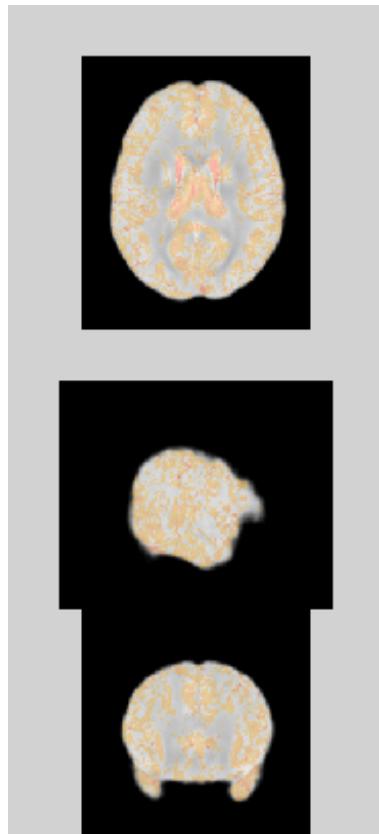


Figure 2: b3025-t12518-QSMsubj-

Figure 1: b3025-t12518-QSMatlas- ROI
subj

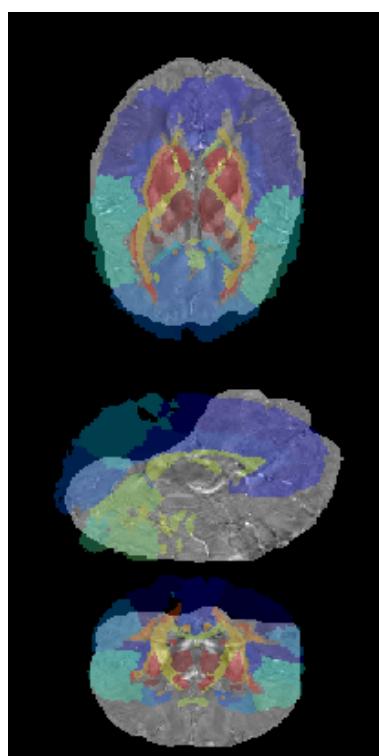
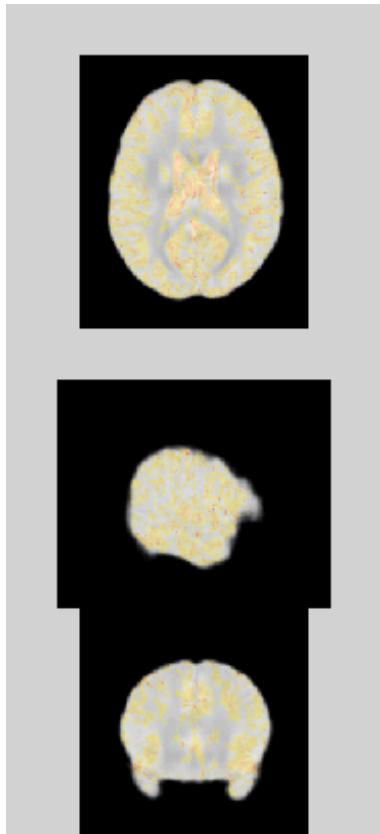


Figure 4: b4454-t12223-QSMsubj-

Figure 3: b4454-t12223-QSMatlas- ROI
subj

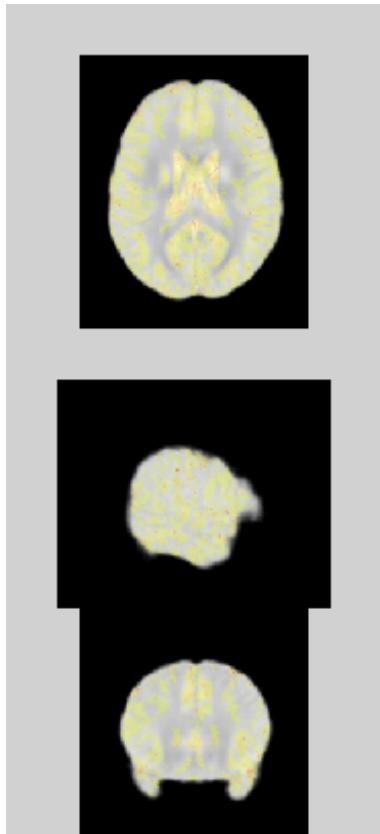


Figure 5: b4454-t12817-QSMatlas- ROI
subj

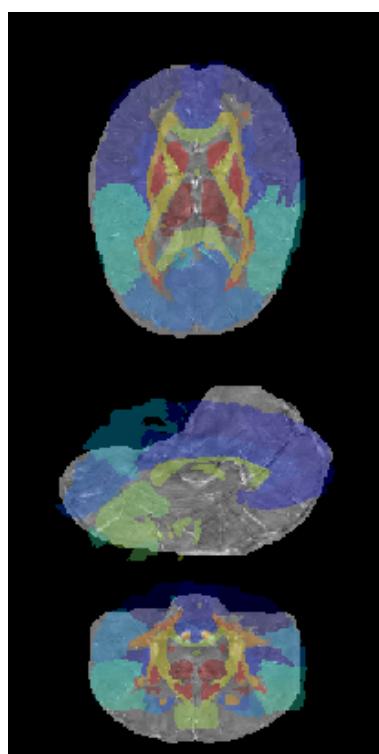


Figure 6: b4454-t12817-QSMsubj-

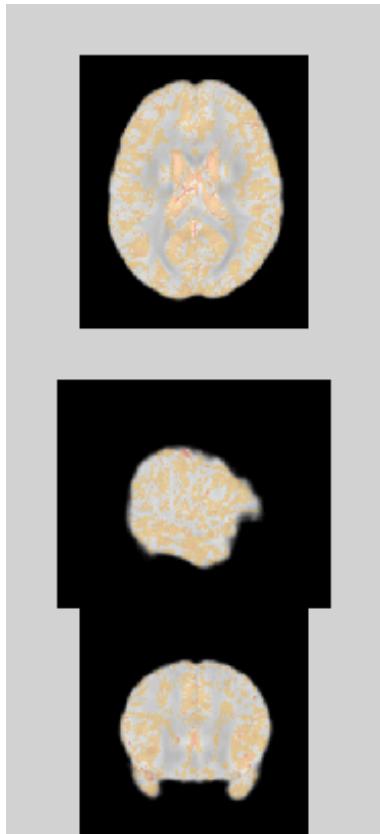


Figure 7: b4461-t12256-QSMatlas- ROI
subj

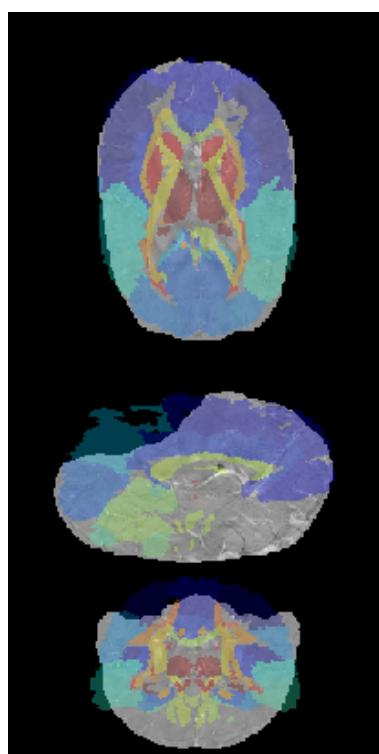


Figure 8: b4461-t12256-QSMsubj-

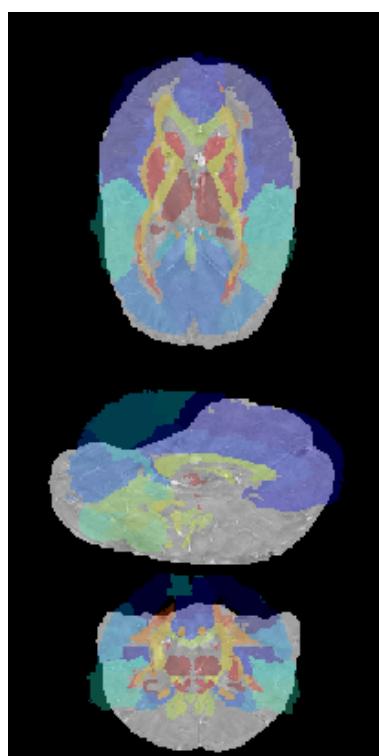
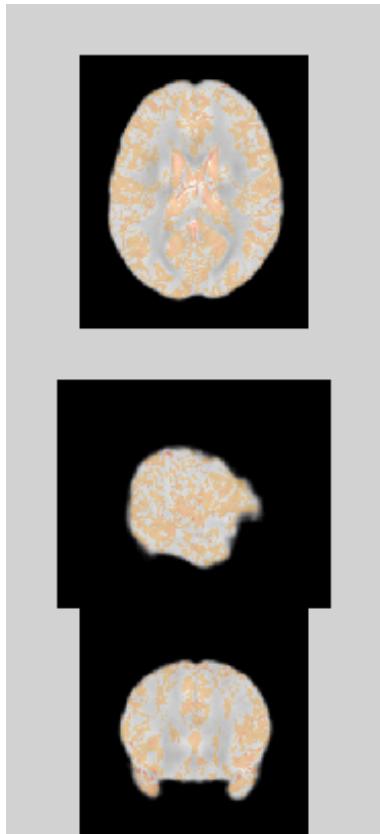


Figure 10: b4461-t12803-QSMsubj-

Figure 9: b4461-t12803-QSMatlas- ROI
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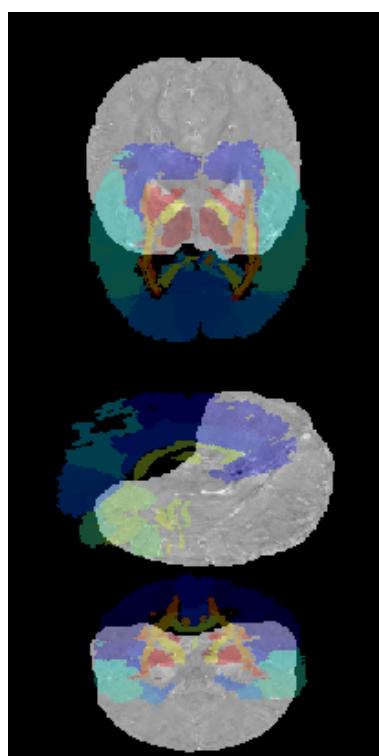
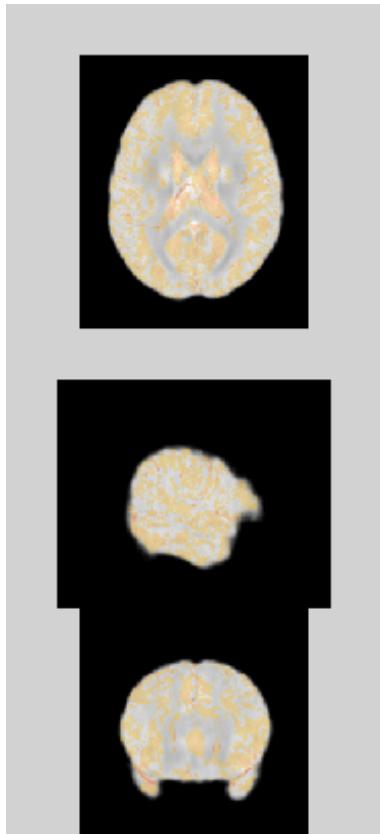


Figure 12: b4468-t12308-QSMsubj-

Figure 11: b4468-t12308-QSMatlas- ROI

subj

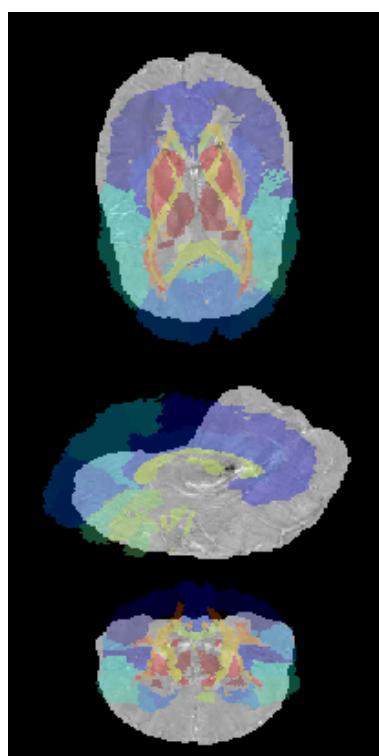
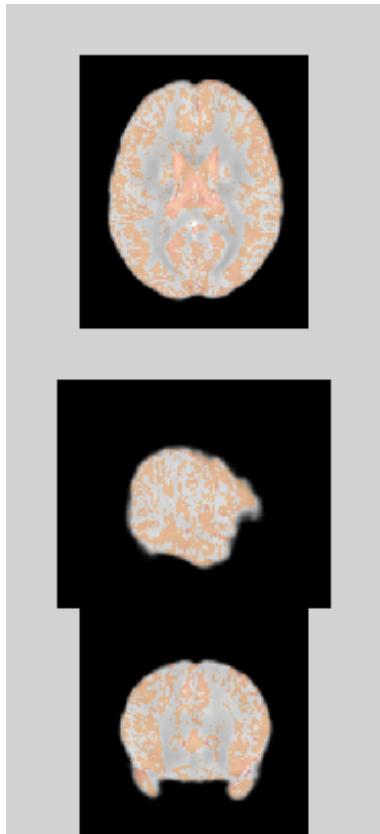


Figure 14: b4469-t12309-QSMsubj-

Figure 13: b4469-t12309-QSMatlas- ROI

subj

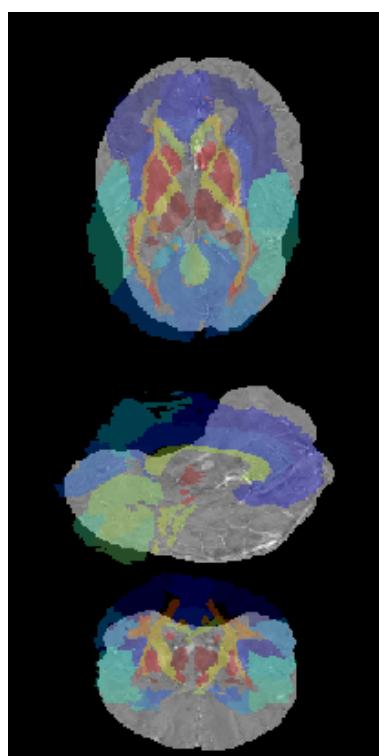
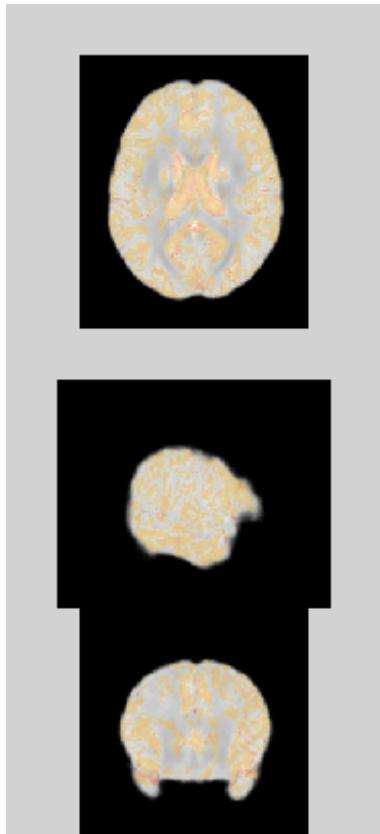


Figure 16: b4473-t12317-QSMsubj-

Figure 15: b4473-t12317-QSMatlas- ROI
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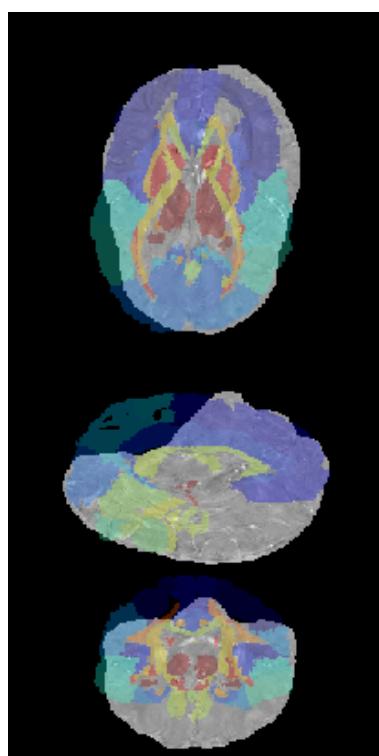
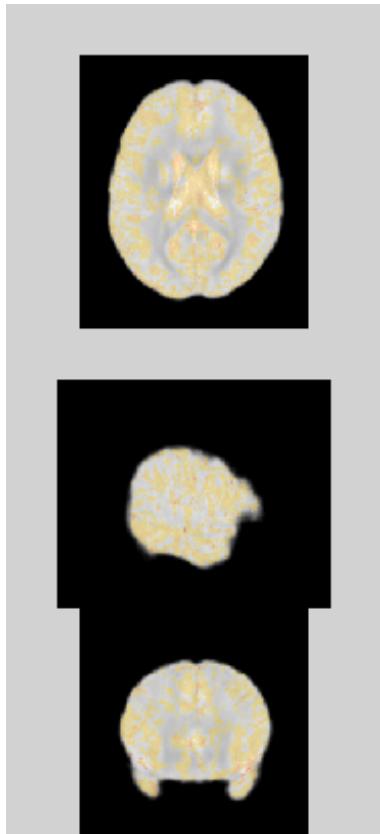


Figure 18: b4480-t12342-QSMsubj-

Figure 17: b4480-t12342-QSMatlas- ROI
subj

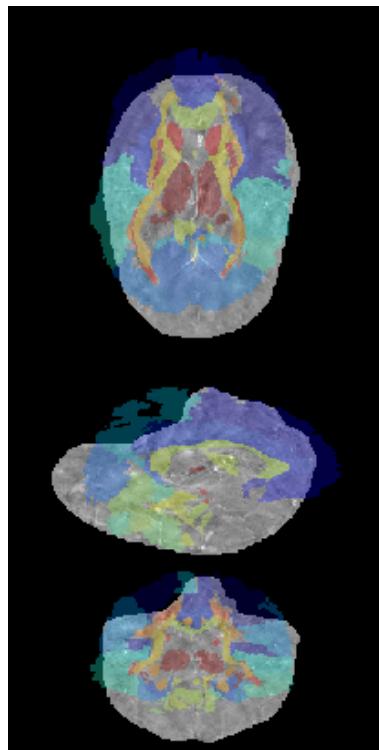
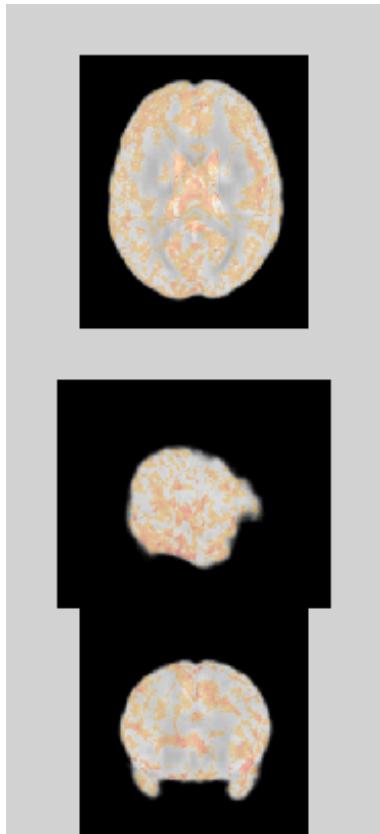


Figure 20: b4480-t12992-QSMsubj-

Figure 19: b4480-t12992-QSMatlas- ROI
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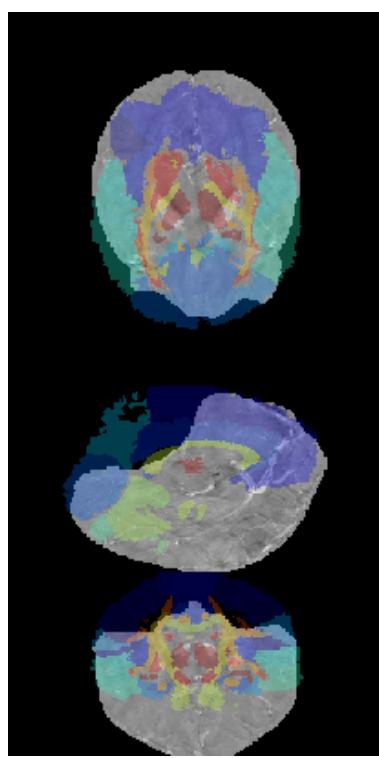
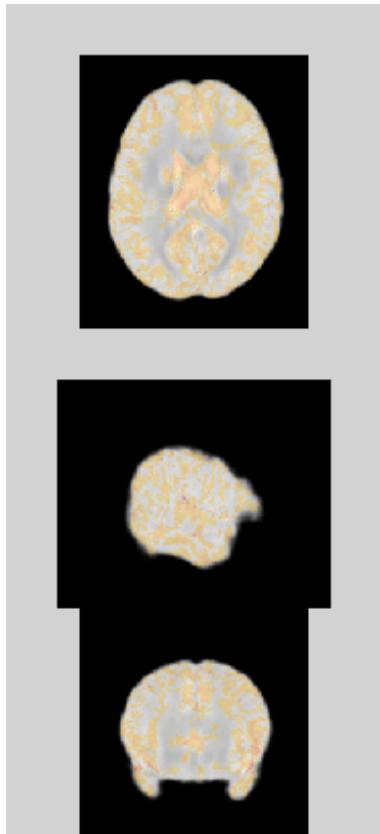


Figure 22: b4489-t12374-QSMsubj-

Figure 21: b4489-t12374-QSMatlas- ROI
subj

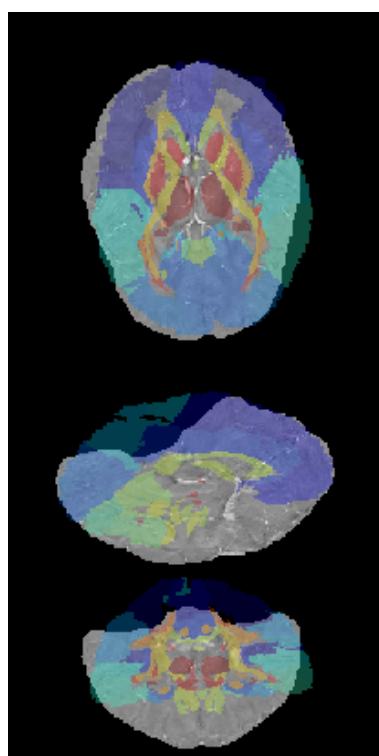
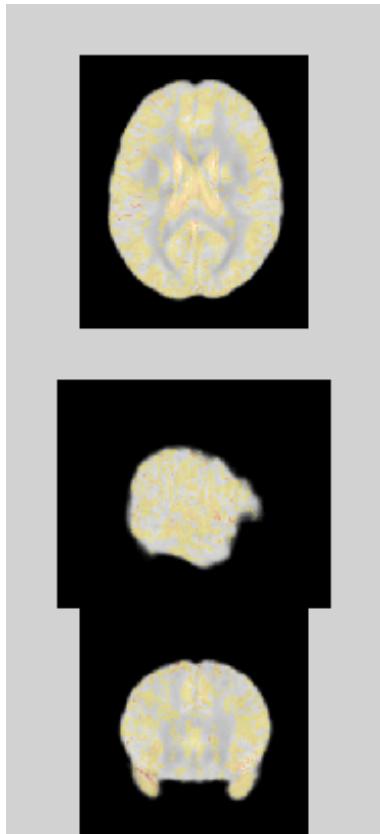


Figure 24: b4514-t12457-QSMsubj-

Figure 23: b4514-t12457-QSMatlas- ROI

subj

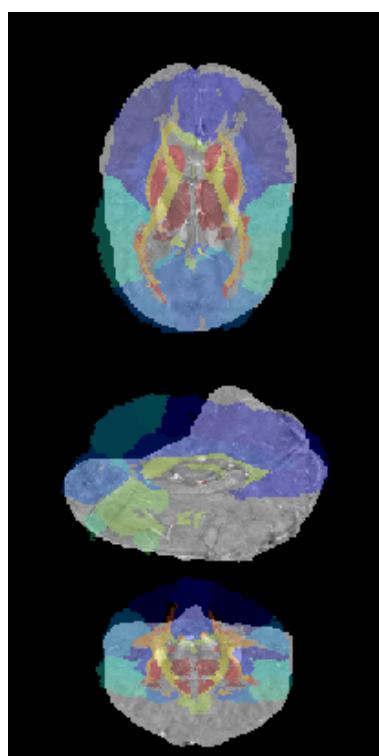
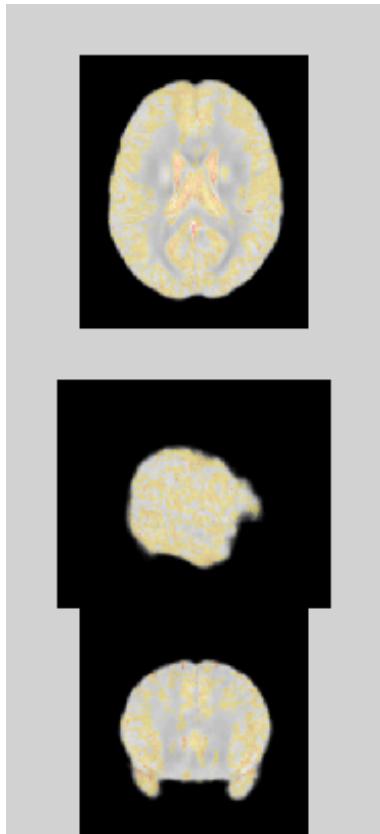


Figure 26: b4521-t12495-QSMsubj-

Figure 25: b4521-t12495-QSMatlas- ROI
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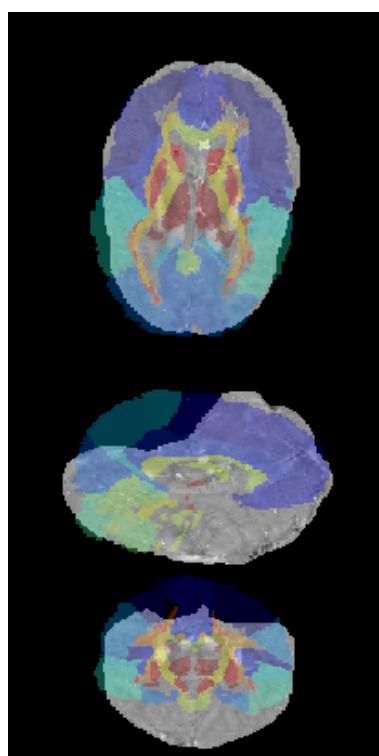
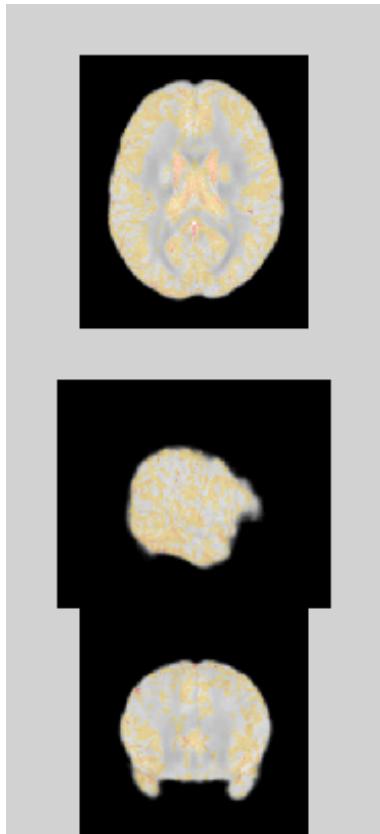


Figure 28: b4521-t13186-QSMsubj-

Figure 27: b4521-t13186-QSMatlas- ROI
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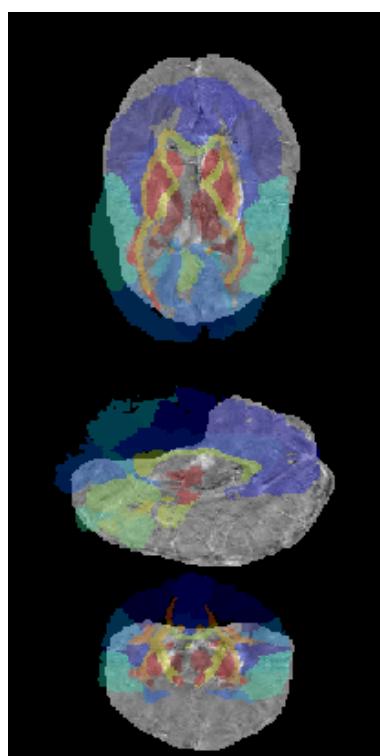
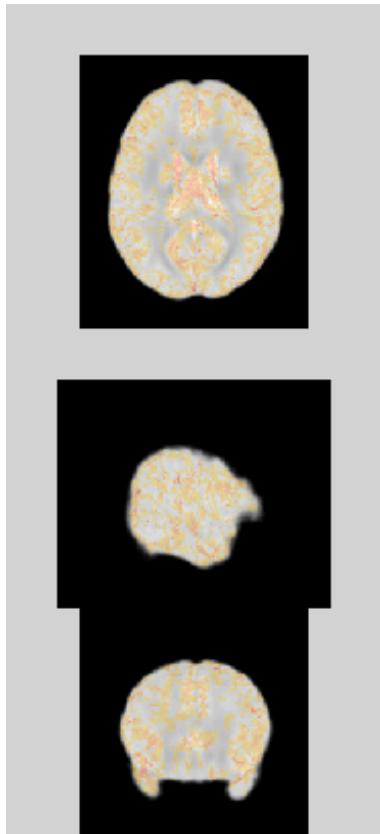


Figure 30: b4521-t14715-QSMsubj-

Figure 29: b4521-t14715-QSMatlas- ROI
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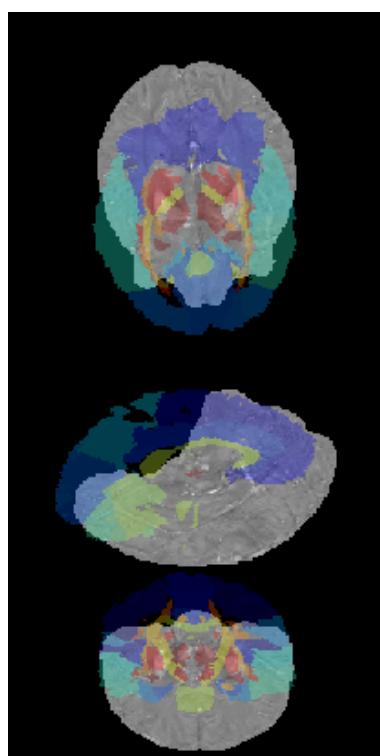
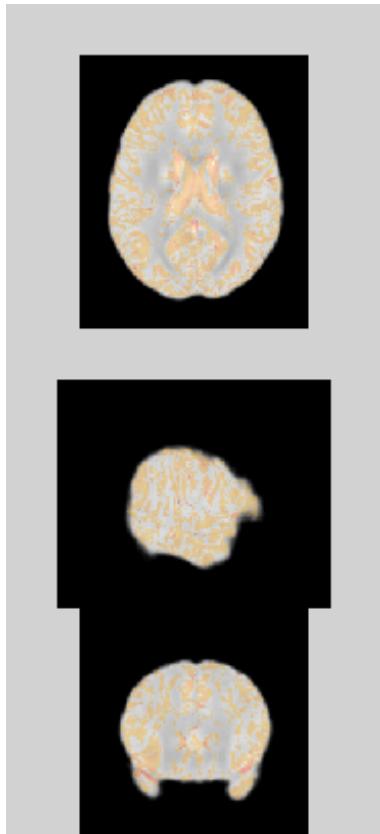


Figure 32: b4534-t12509-QSMsubj-

Figure 31: b4534-t12509-QSMatlas- ROI
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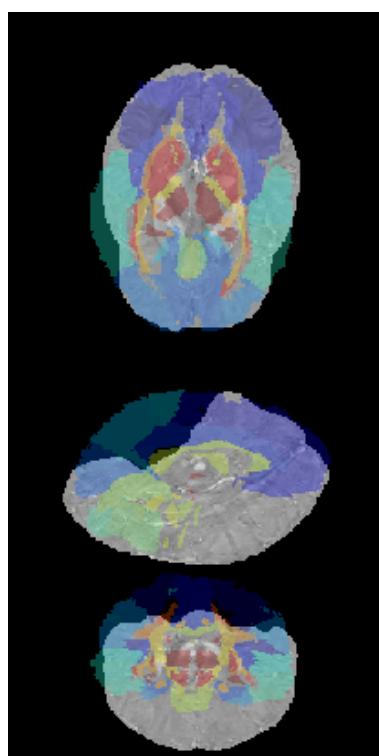
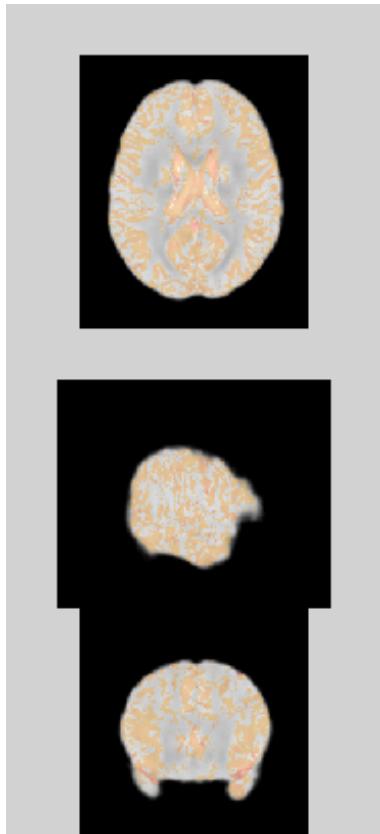


Figure 34: b4534-t13269-QSMsubj-

Figure 33: b4534-t13269-QSMatlas- ROI
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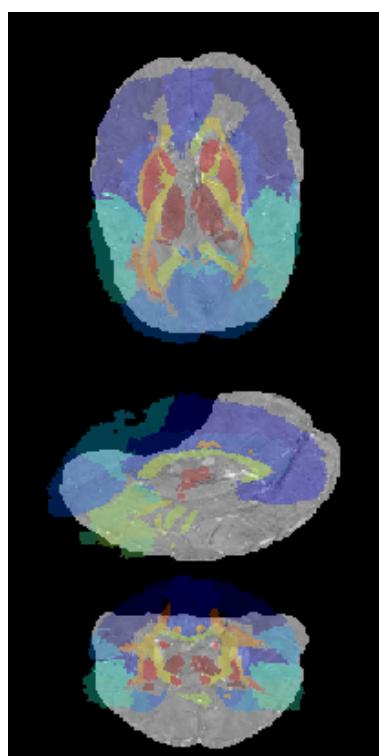
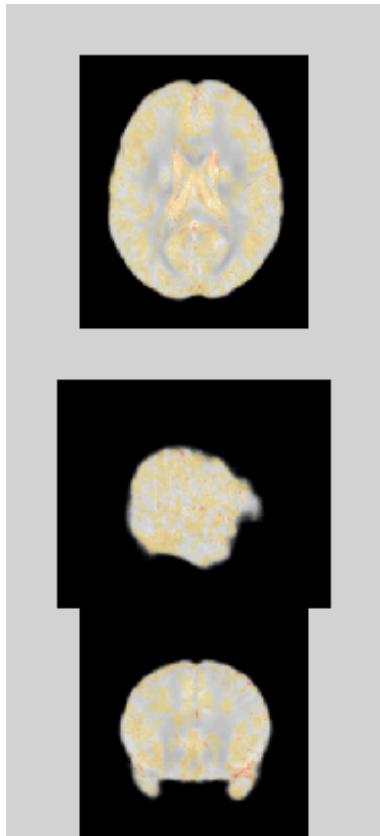


Figure 36: b4536-t12517-QSMsubj-

Figure 35: b4536-t12517-QSMatlas- ROI
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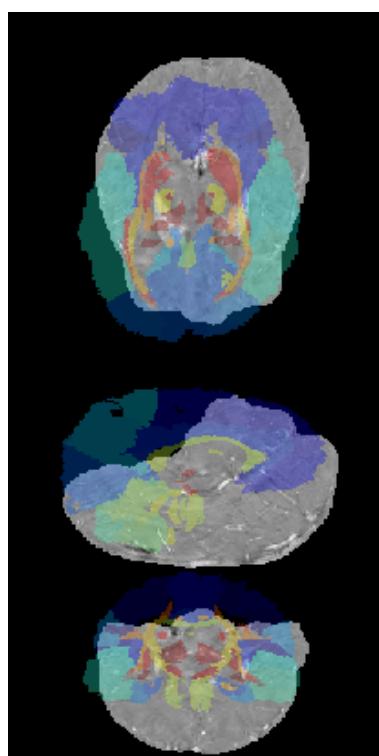
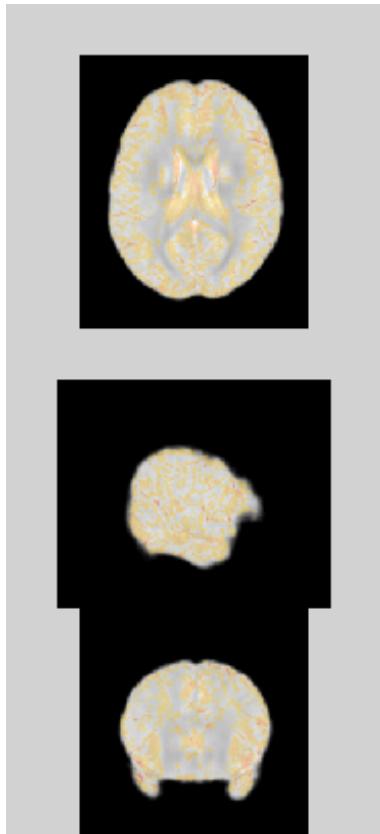


Figure 38: b4537-t12521-QSMsubj-

Figure 37: b4537-t12521-QSMatlas- ROI
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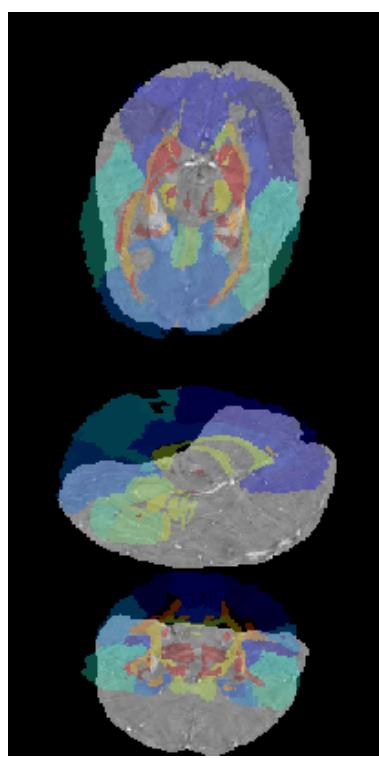
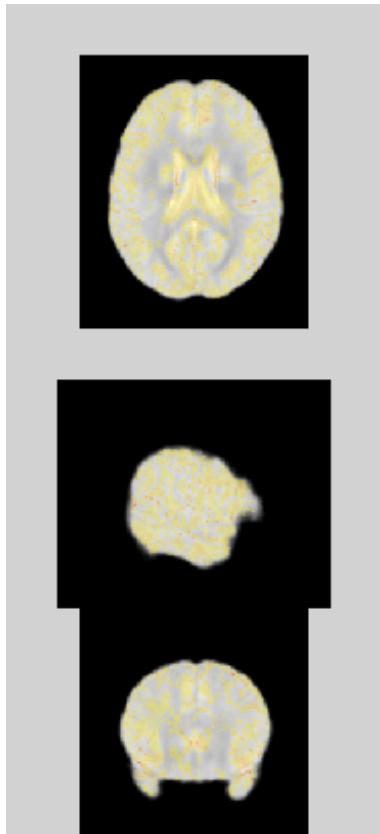


Figure 40: b4537-t13310-QSMsubj-

Figure 39: b4537-t13310-QSMatlas- ROI
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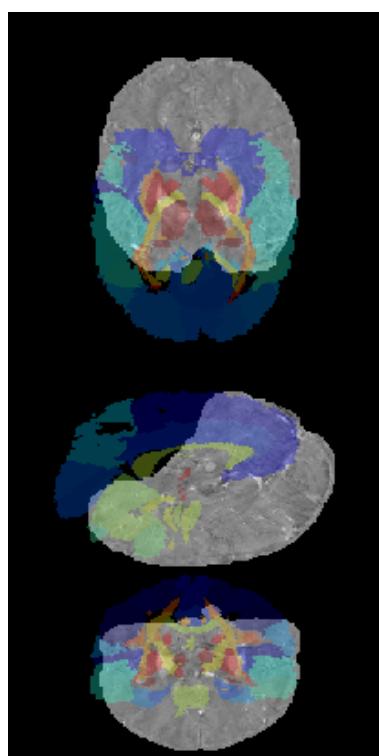
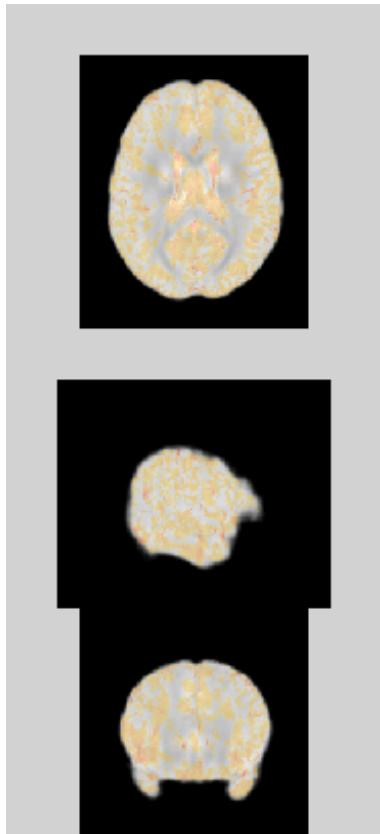


Figure 42: b4543-t12536-QSMsubj-

Figure 41: b4543-t12536-QSMatlas- ROI
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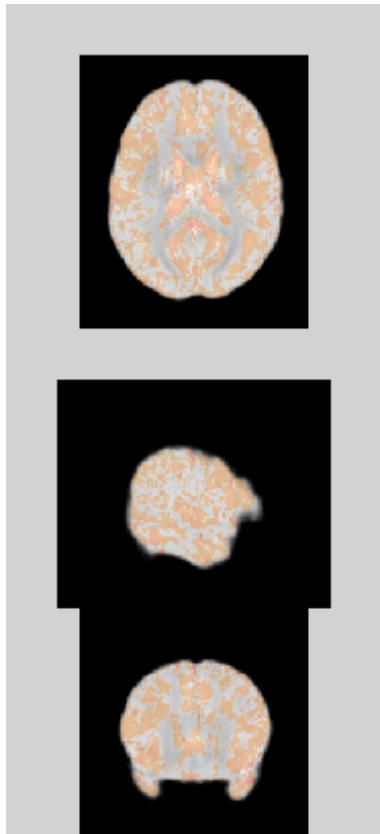


Figure 43: b4566-t12590-QSMatlas- ROI
subj

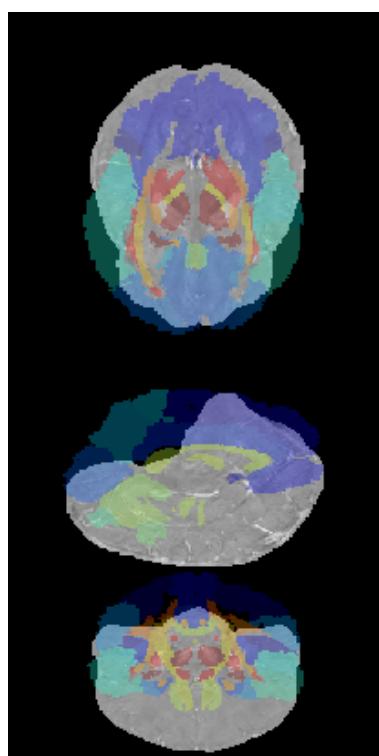


Figure 44: b4566-t12590-QSMsubj-

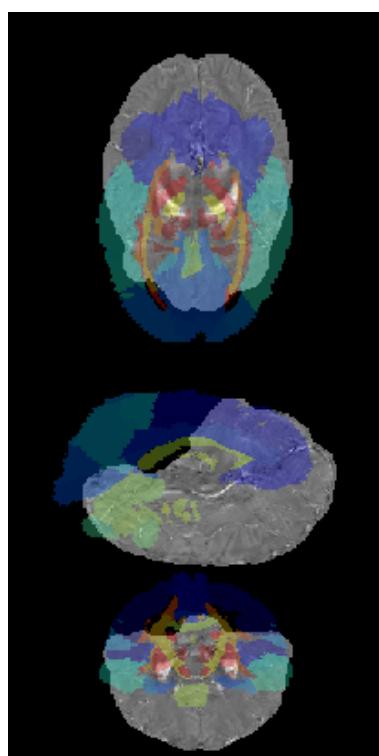
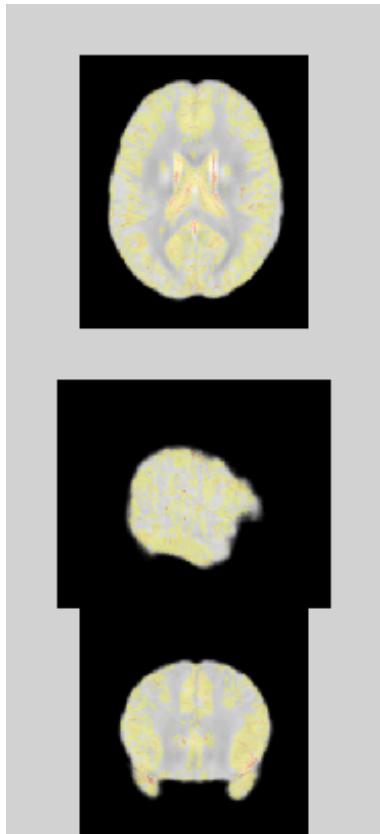


Figure 46: b4573-t12611-QSMsubj-

Figure 45: b4573-t12611-QSMatlas- ROI
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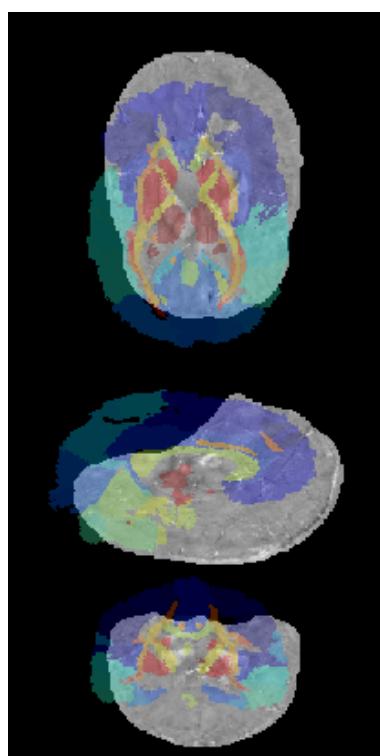
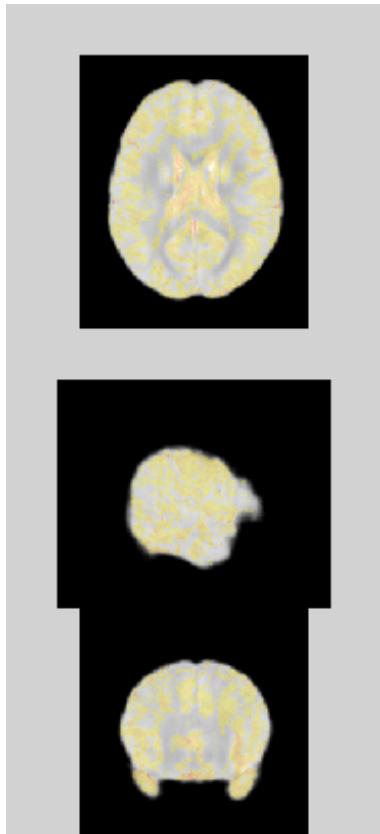


Figure 48: b4578-t12638-QSMsubj-

Figure 47: b4578-t12638-QSMatlas- ROI
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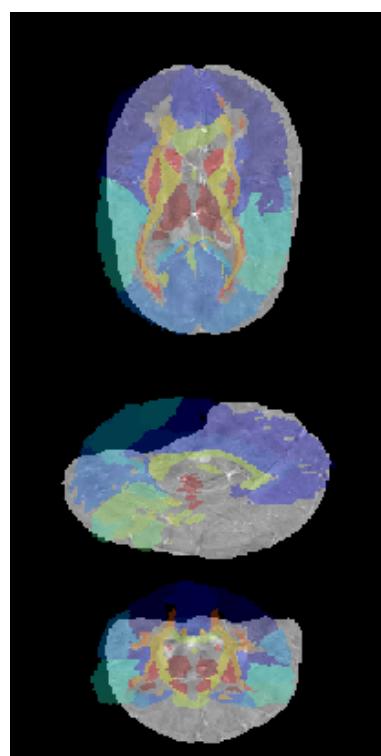
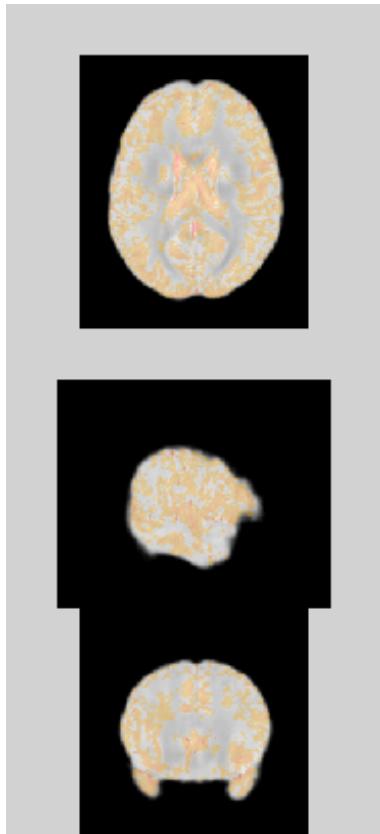


Figure 50: b4578-t13380-QSMsubj-

Figure 49: b4578-t13380-QSMatlas- ROI
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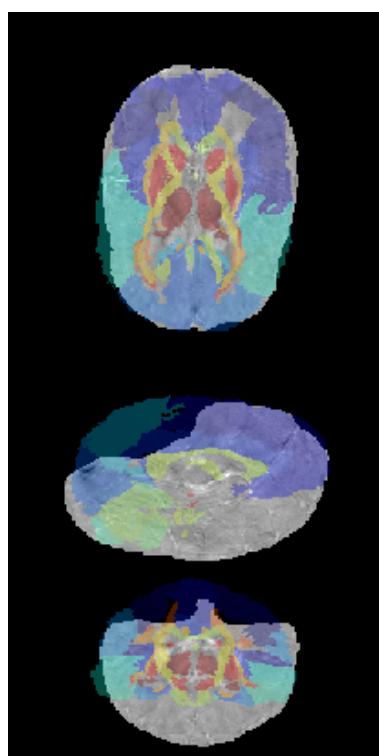
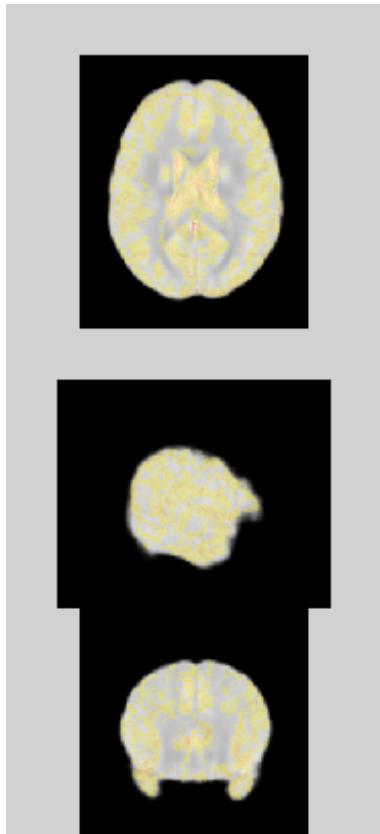


Figure 52: b4578-t14677-QSMsubj-

Figure 51: b4578-t14677-QSMatlas- ROI
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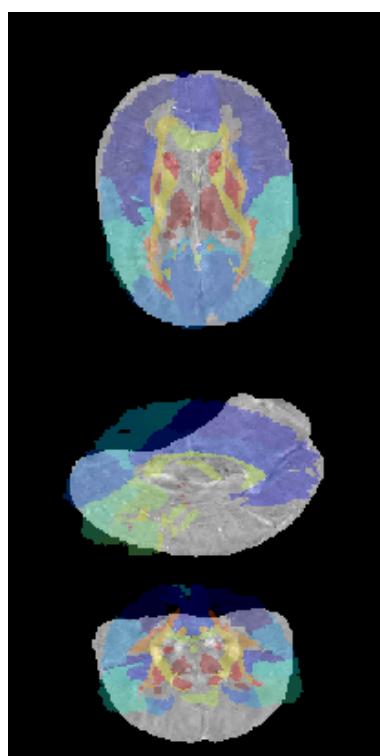
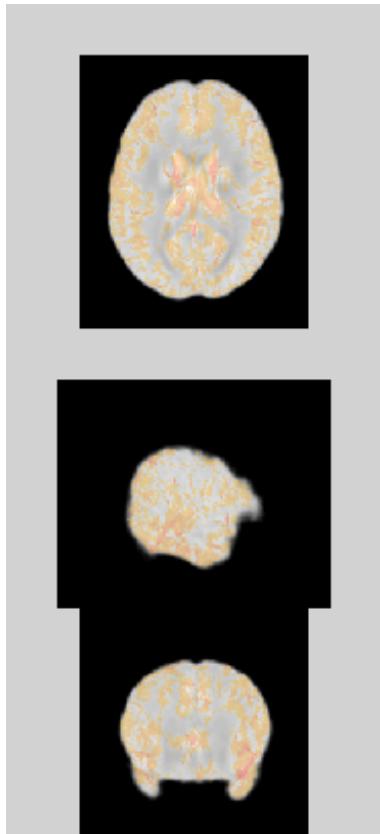


Figure 54: b4579-t12639-QSMsubj-

Figure 53: b4579-t12639-QSMatlas- ROI
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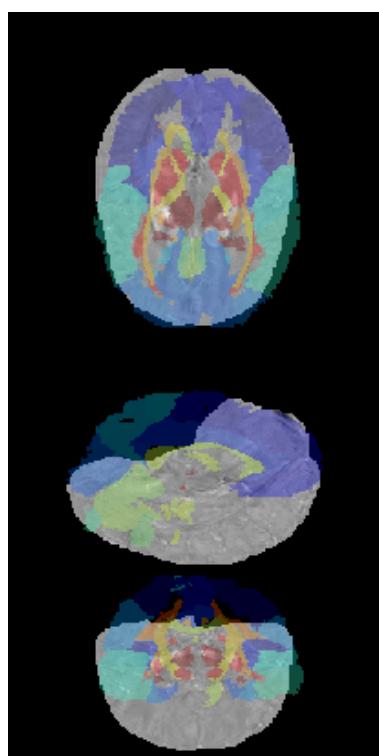
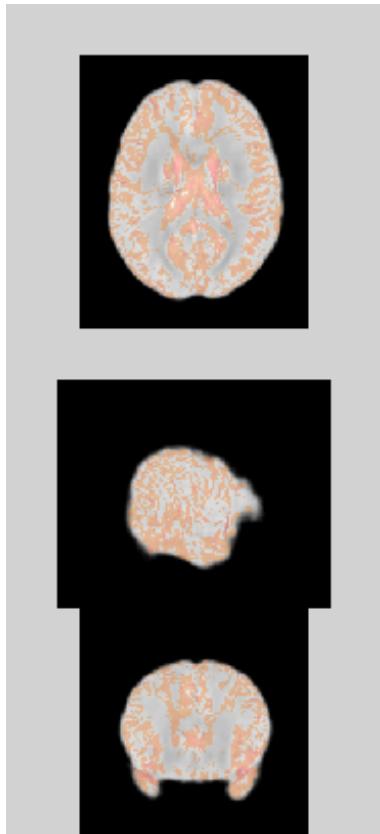


Figure 56: b4579-t13381-QSMsubj-

Figure 55: b4579-t13381-QSMatlas- ROI
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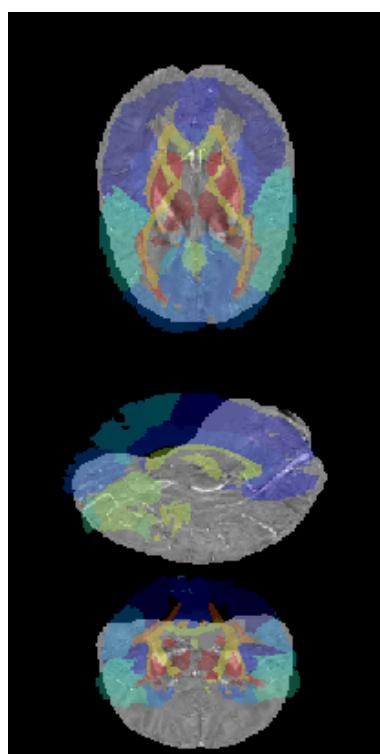
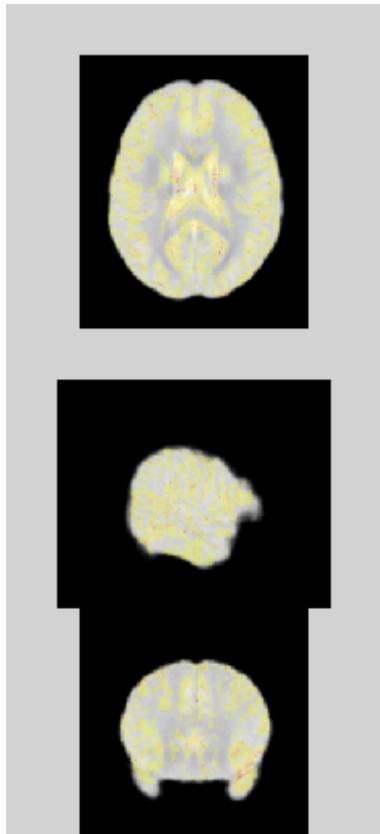


Figure 58: b4579-t14676-QSMsubj-

Figure 57: b4579-t14676-QSMatlas- ROI
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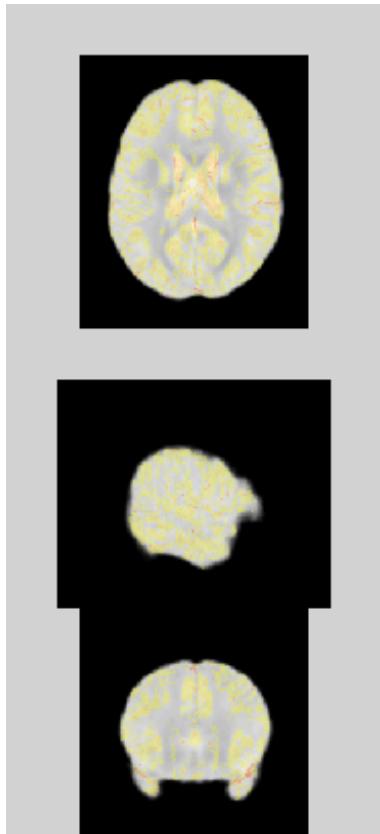


Figure 59: b4589-t12675-QSMatlas- ROI
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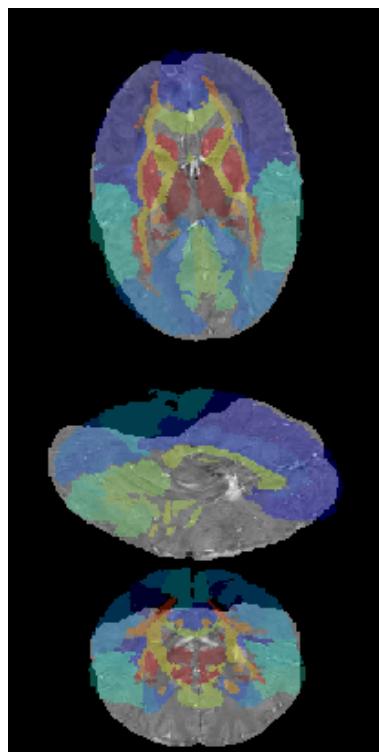


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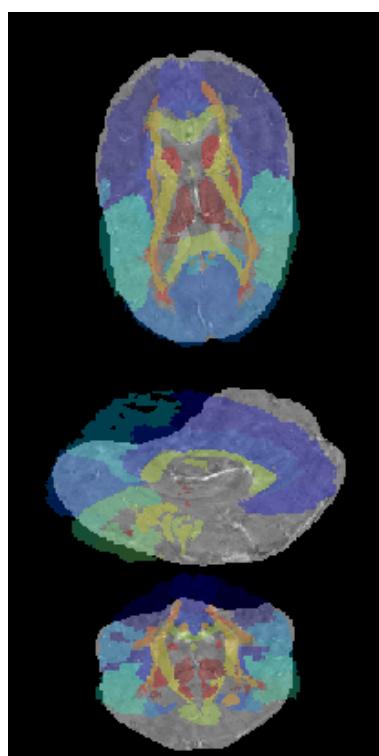
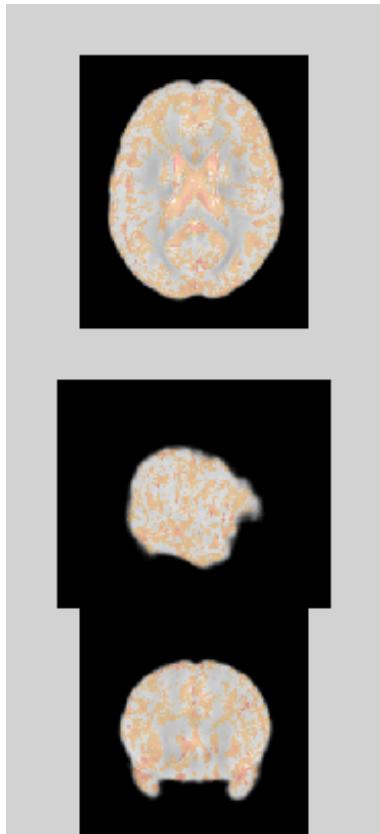


Figure 62: b4593-t12699-QSMsubj-

Figure 61: b4593-t12699-QSMatlas- ROI

subj

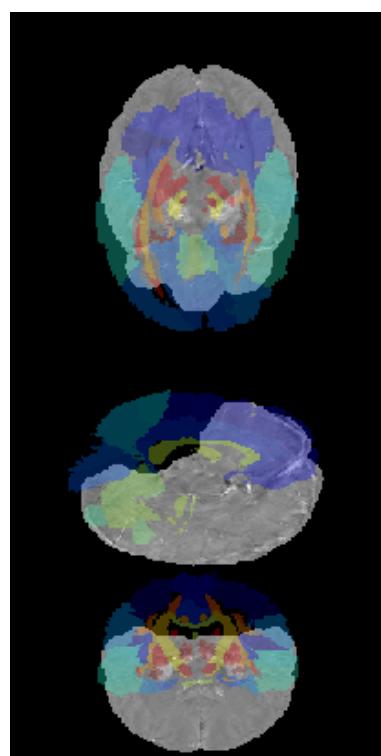
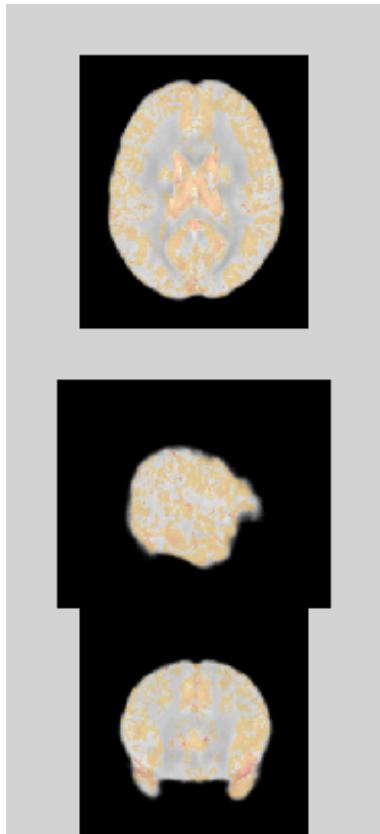


Figure 64: b4595-t12703-QSMsubj-

Figure 63: b4595-t12703-QSMatlas- ROI
subj

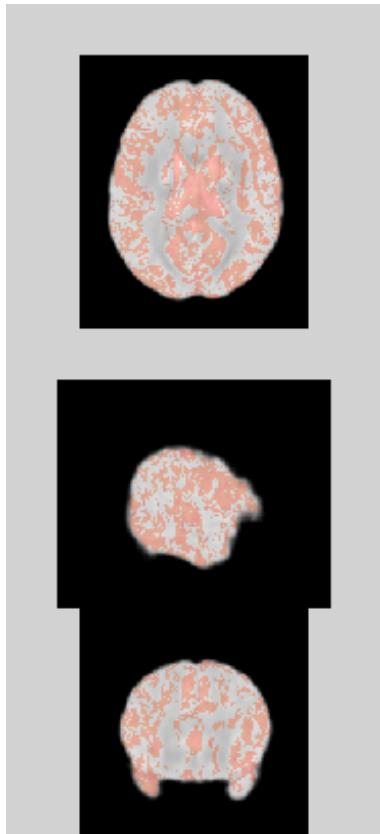


Figure 65: b4596-t12716-QSMatlas- ROI
subj

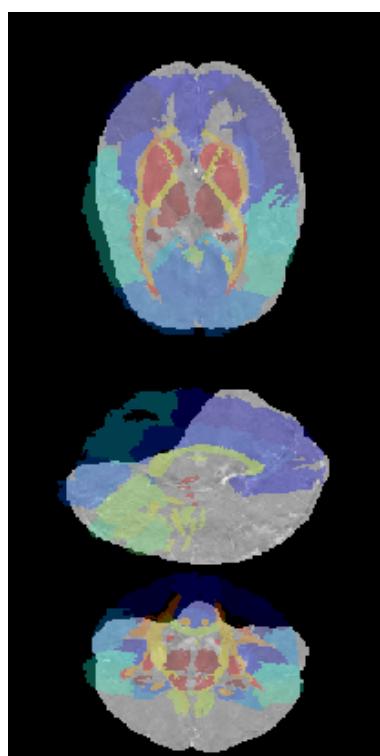


Figure 66: b4596-t12716-QSMsubj-

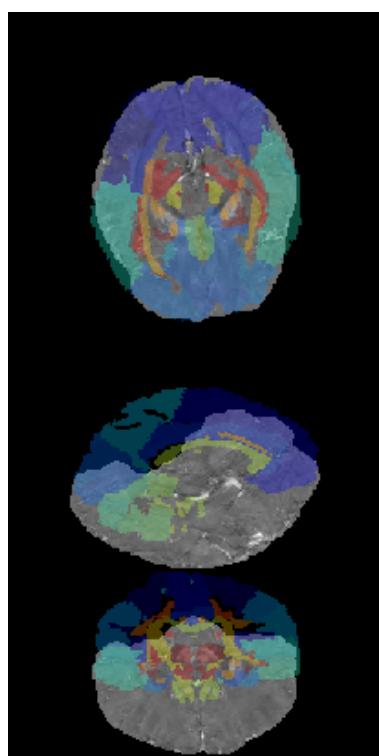
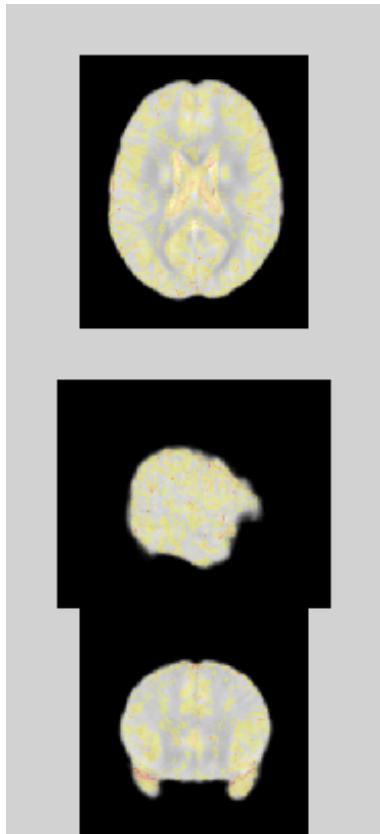


Figure 68: b4597-t12717-QSMsubj-

Figure 67: b4597-t12717-QSMatlas- ROI
subj

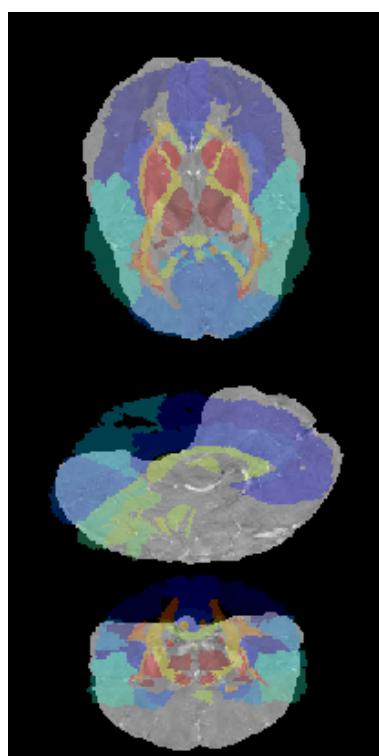
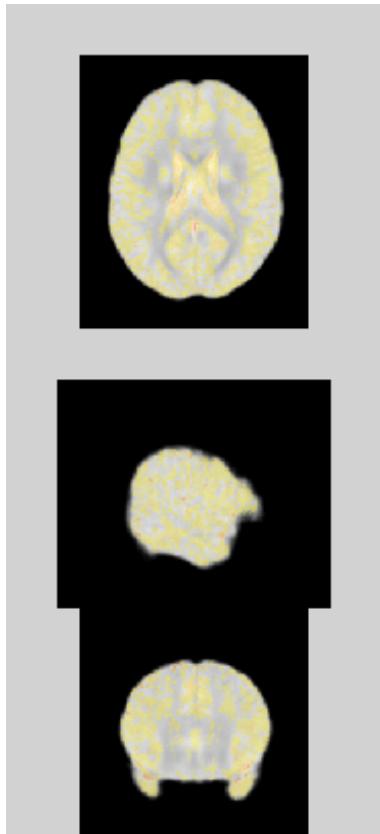


Figure 70: b4598-t12718-QSMsubj-

Figure 69: b4598-t12718-QSMatlas- ROI

subj

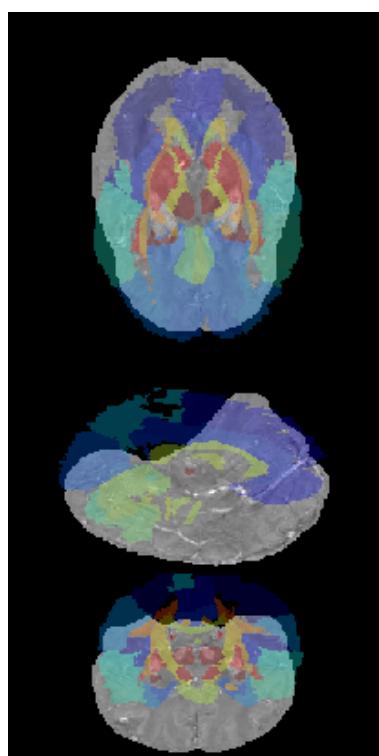
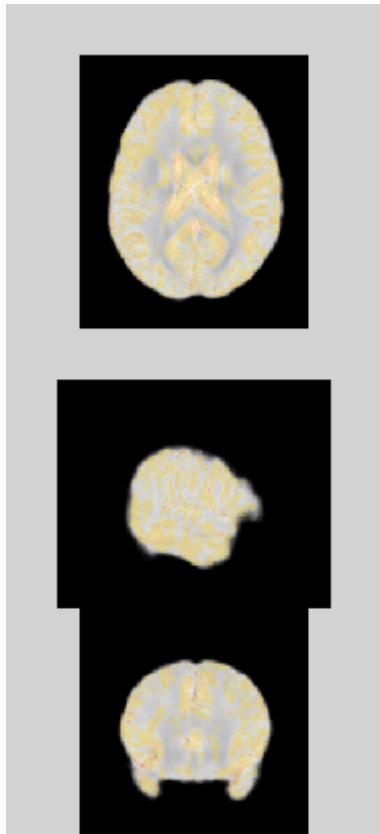


Figure 72: b4601-t12756-QSMsubj-

Figure 71: b4601-t12756-QSMatlas- ROI
subj

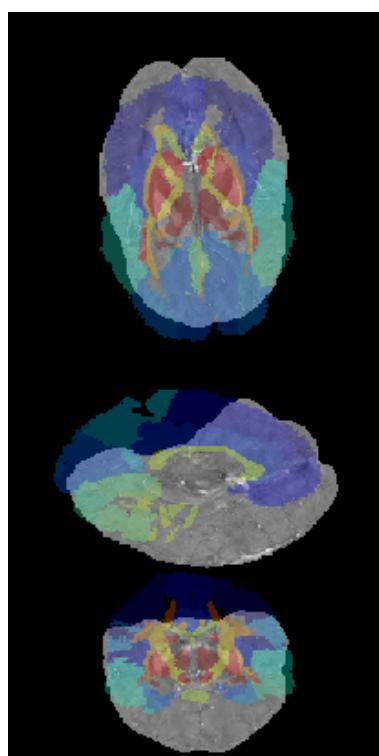
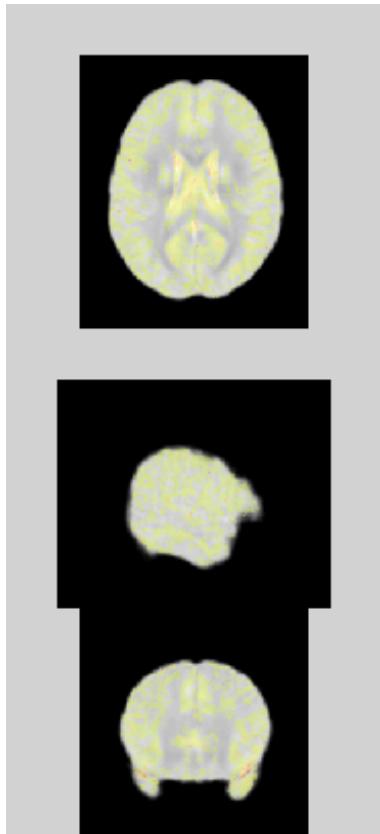


Figure 74: b4603-t12772-QSMsubj-

Figure 73: b4603-t12772-QSMatlas- ROI
subj

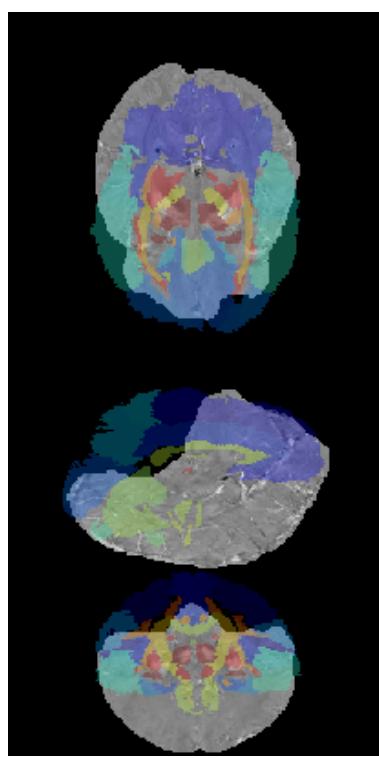
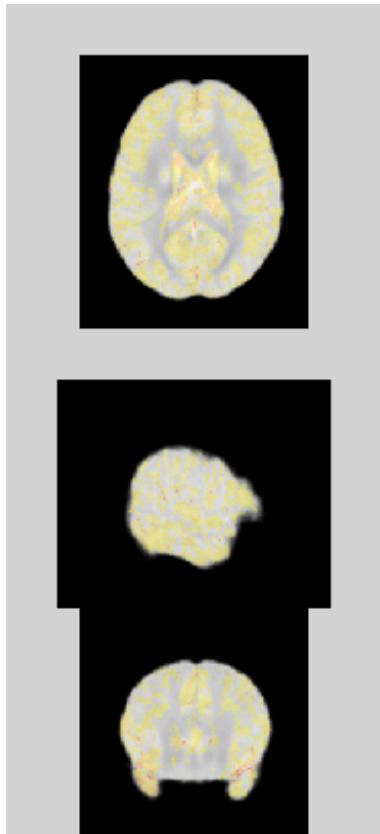


Figure 76: b4604-t12773-QSMsubj-

Figure 75: b4604-t12773-QSMatlas- ROI

subj

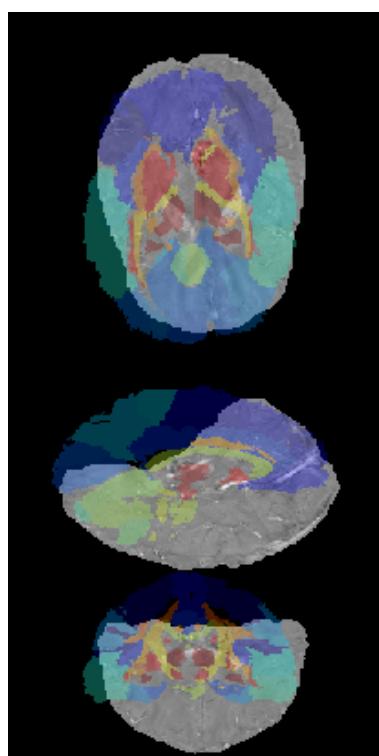
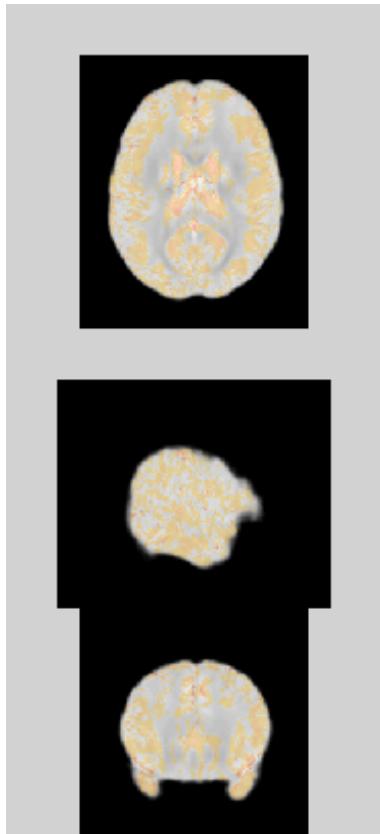


Figure 78: b4652-t12964-QSMsubj-

Figure 77: b4652-t12964-QSMatlas- ROI
subj

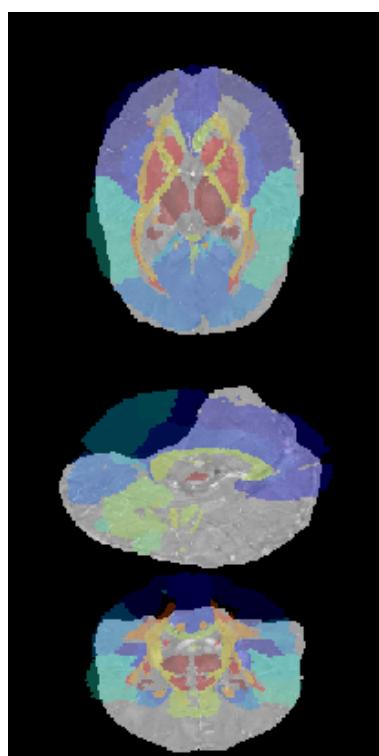
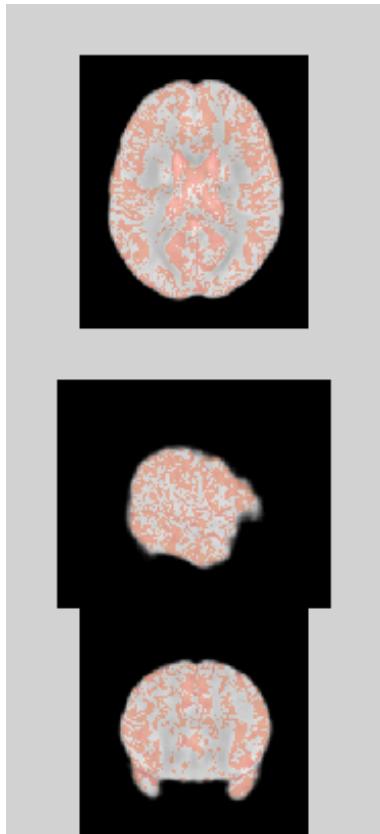


Figure 80: b4724-t13208-QSMsubj-

Figure 79: b4724-t13208-QSMatlas- ROI
subj

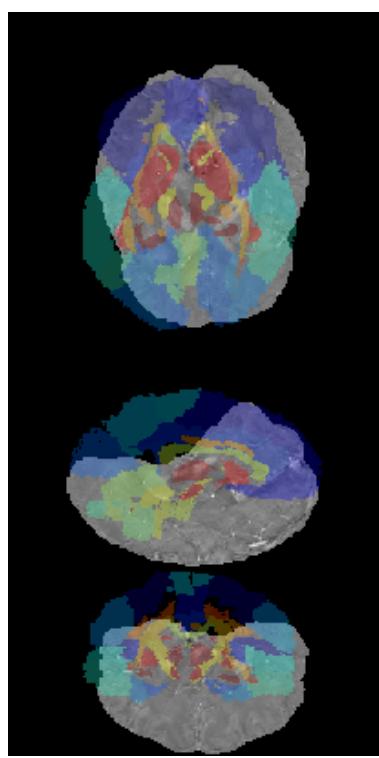
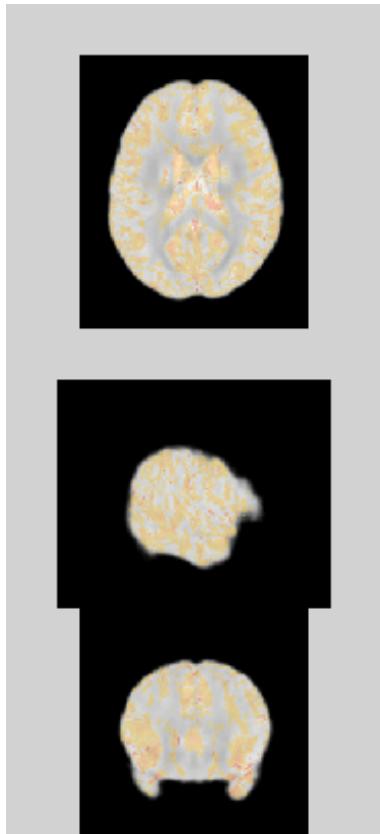


Figure 82: b4728-t13243-QSMsubj-

Figure 81: b4728-t13243-QSMatlas- ROI
subj

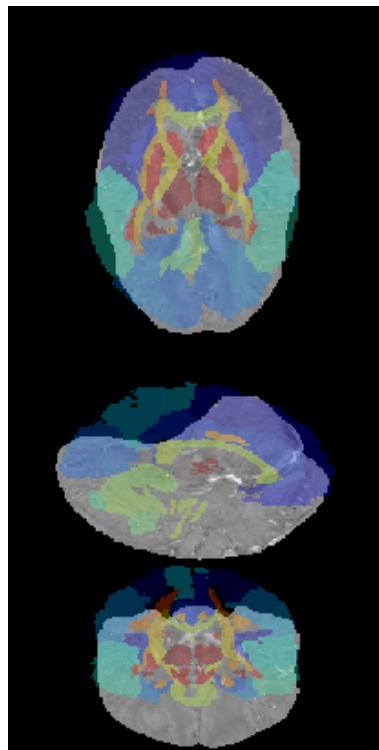
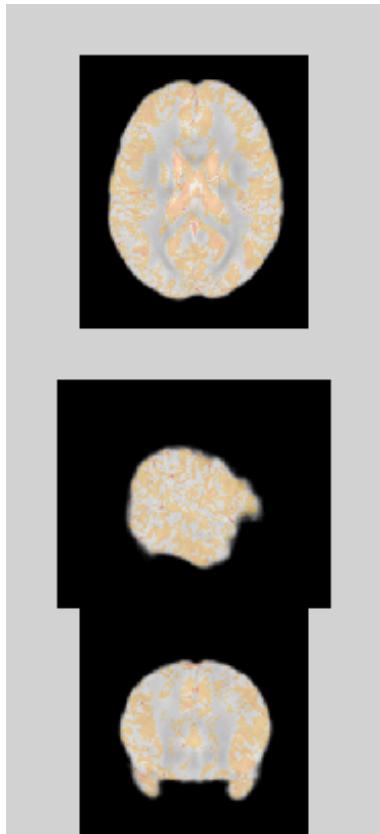


Figure 84: b4729-t13251-QSMsubj-

Figure 83: b4729-t13251-QSMatlas- ROI
subj

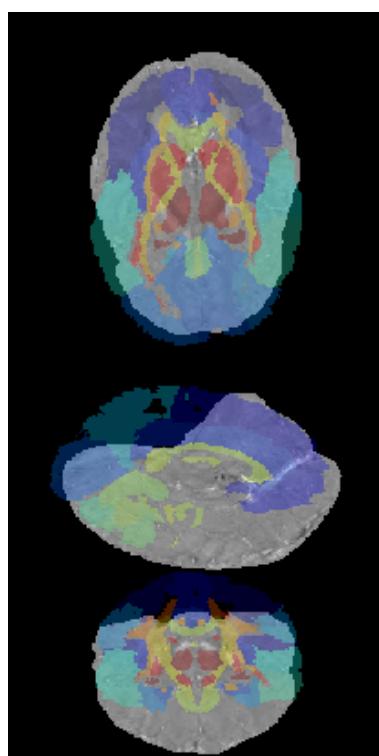
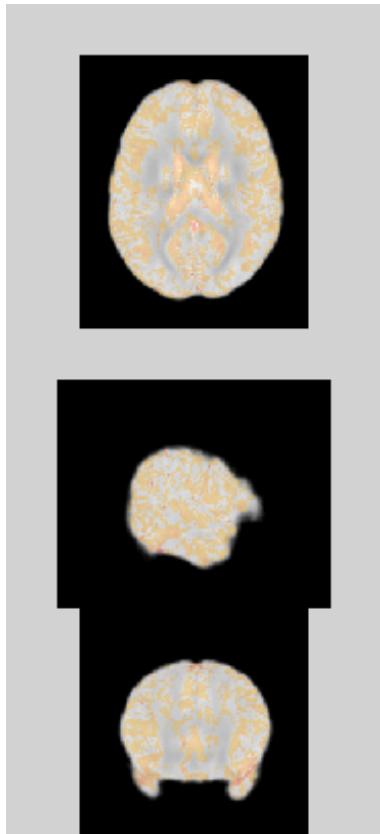


Figure 86: b4729-t14712-QSMsubj-

Figure 85: b4729-t14712-QSMatlas- ROI
subj

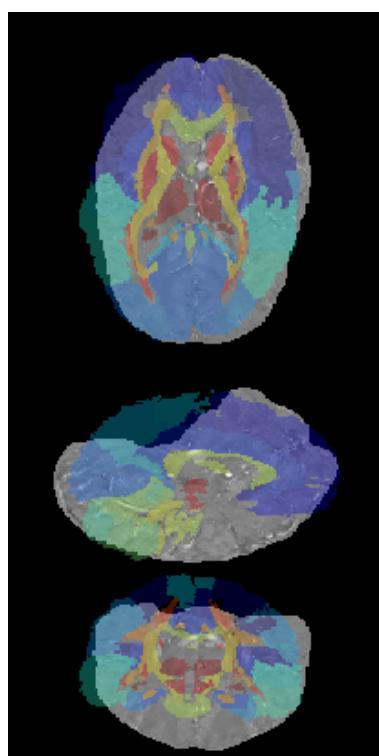
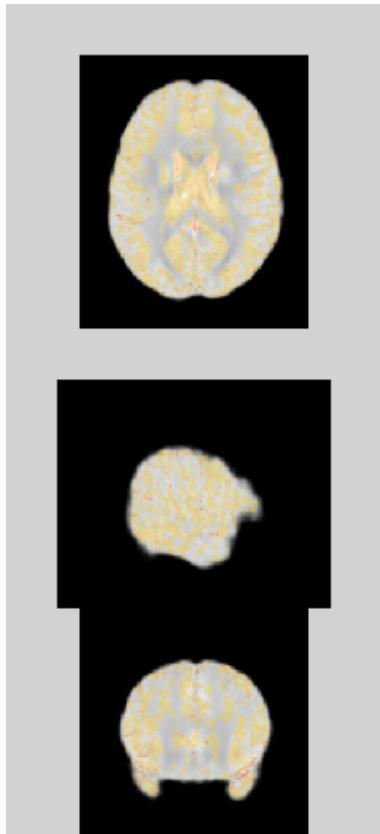


Figure 88: b4730-t13253-QSMsubj-

Figure 87: b4730-t13253-QSMatlas- ROI
subj

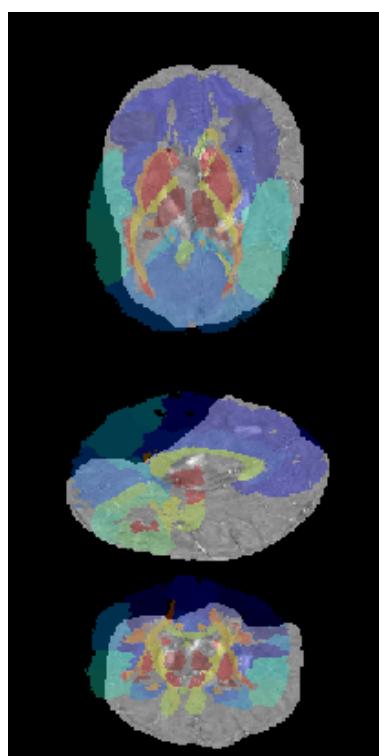
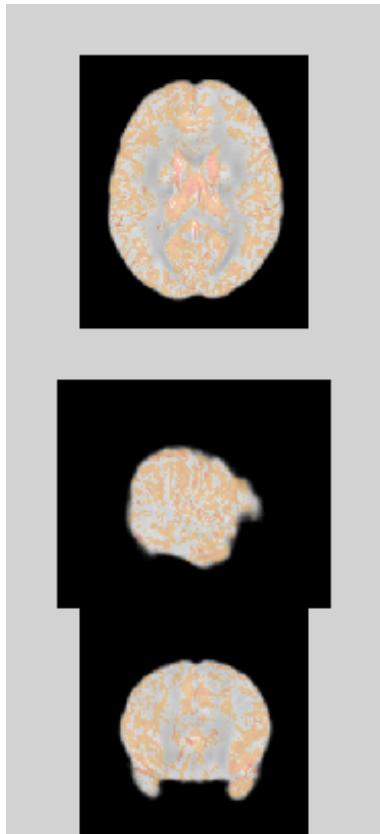


Figure 90: b4731-t13254-QSMsubj-

Figure 89: b4731-t13254-QSMatlas- ROI
subj

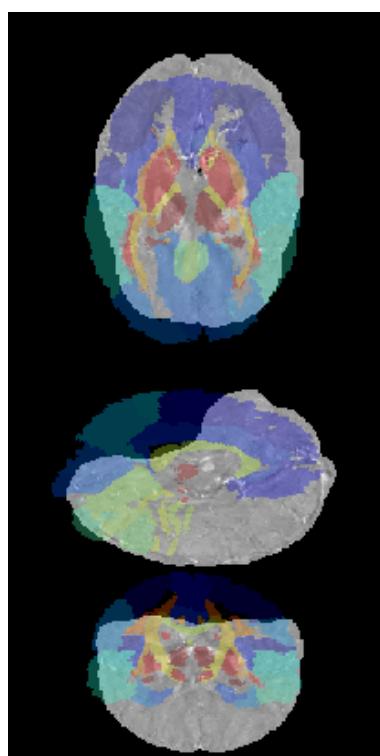
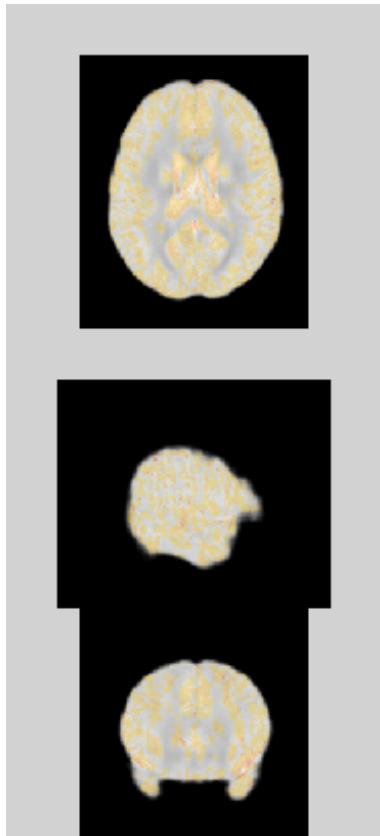


Figure 92: b4733-t13261-QSMsubj-

Figure 91: b4733-t13261-QSMatlas- ROI
subj

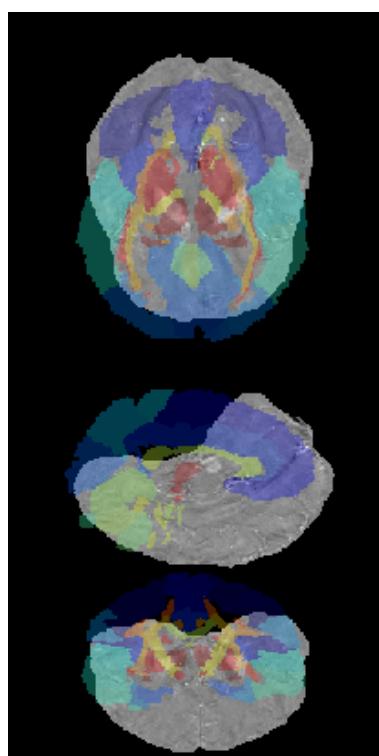
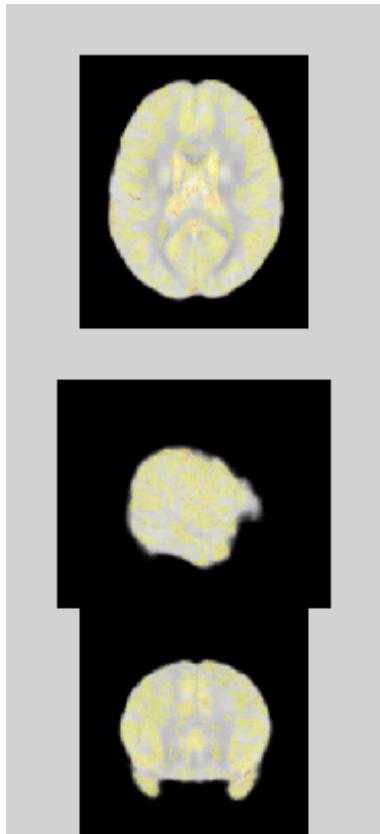


Figure 94: b4767-t13331-QSMsubj-

Figure 93: b4767-t13331-QSMatlas- ROI
subj

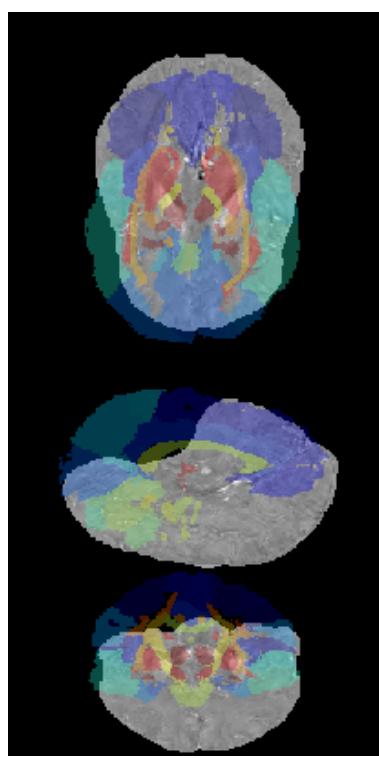
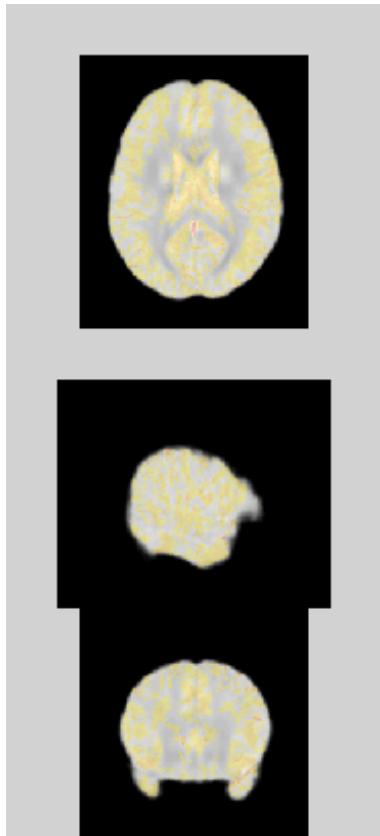


Figure 96: b4769-t13335-QSMsubj-

Figure 95: b4769-t13335-QSMatlas- ROI

subj

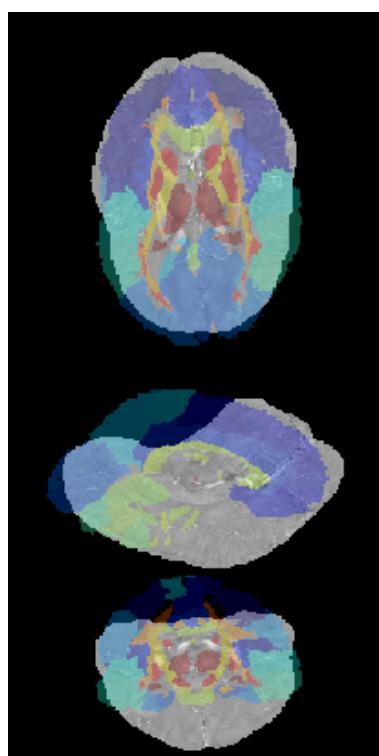
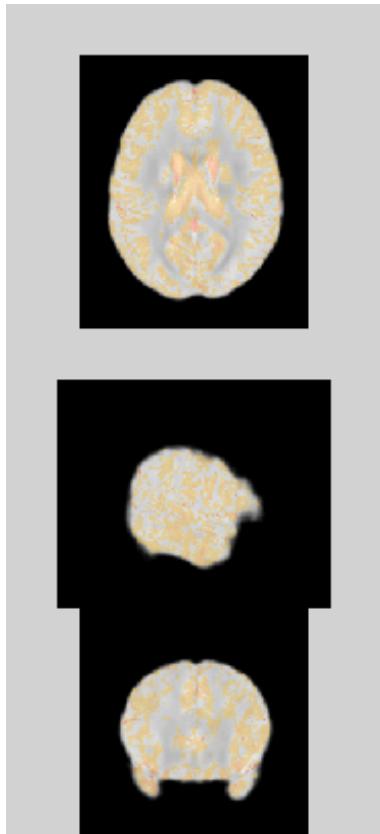


Figure 98: b4928-t14645-QSMsubj-

Figure 97: b4928-t14645-QSMatlas- ROI
subj

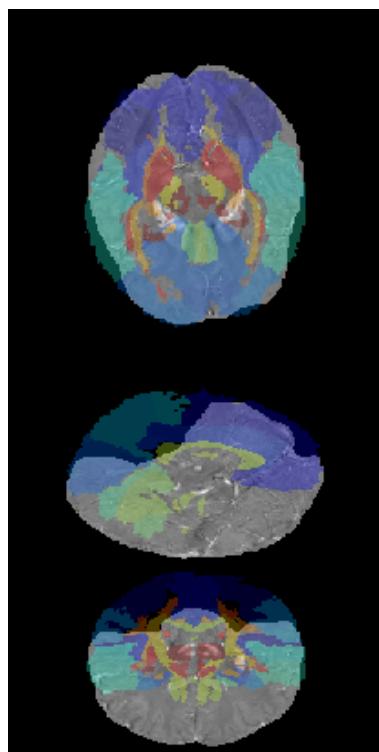
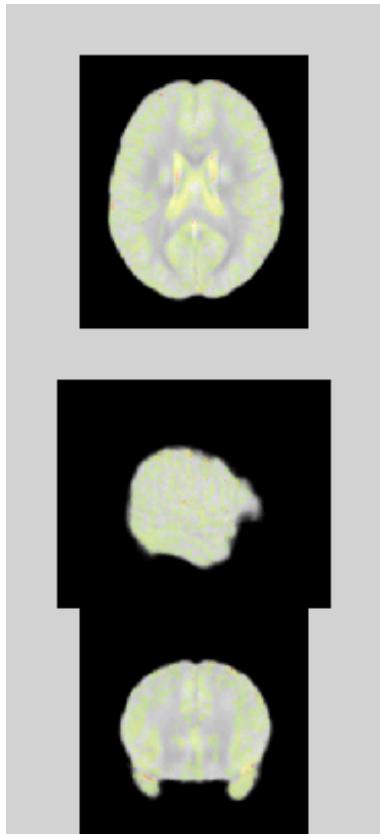


Figure 100: b4940-t14686-

Figure 99: b4940-t14686-QSMatlas- QSMsubj-ROI
subj

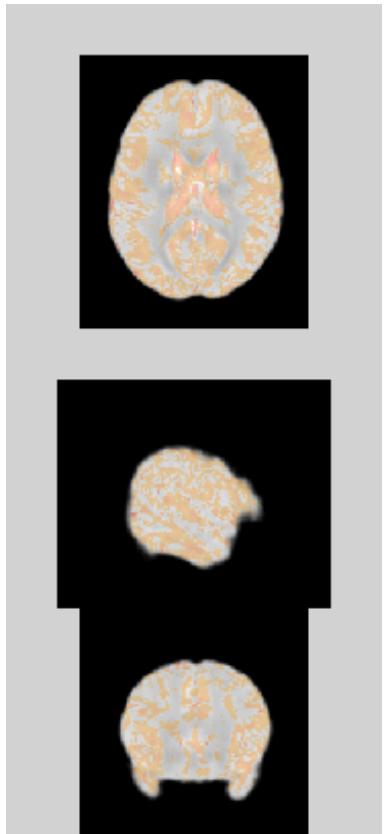


Figure 101: b4941-t14687-
QSMatlas-subj

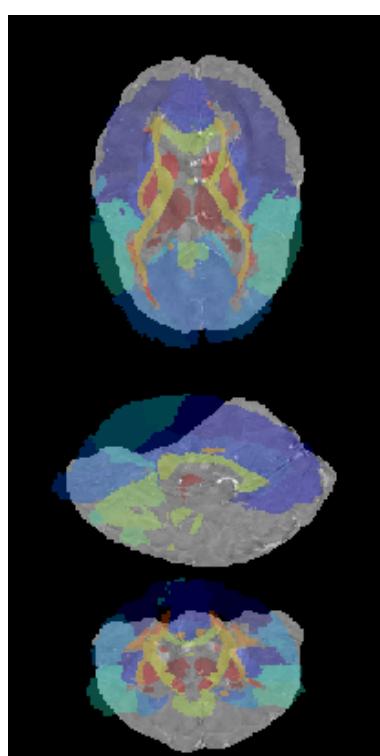


Figure 102: b4941-t14687-

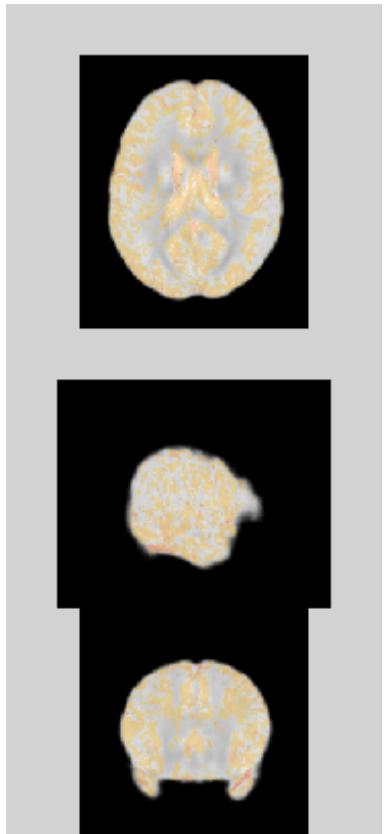


Figure 103: b4950-t14710-
QSMatlas-subj

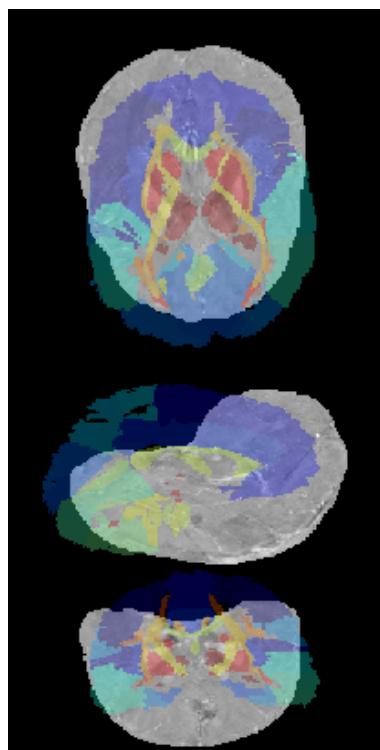


Figure 104: b4950-t14710-

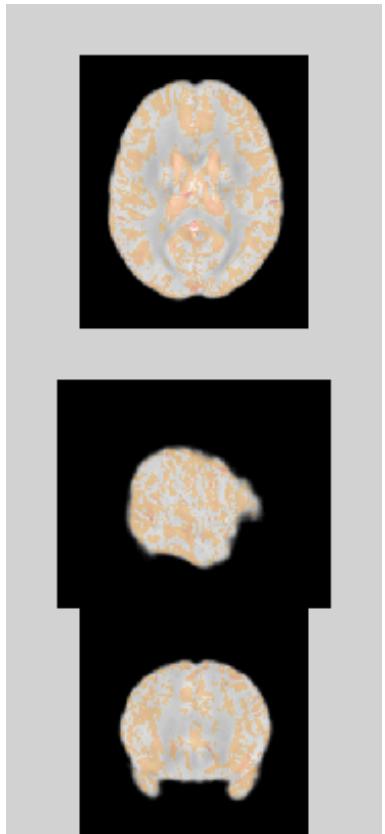


Figure 105: b4971-t14754-
QSMatlas-subj

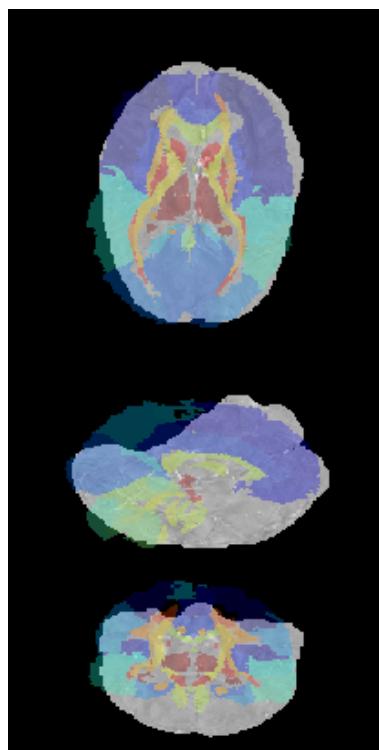


Figure 106: b4971-t14754-

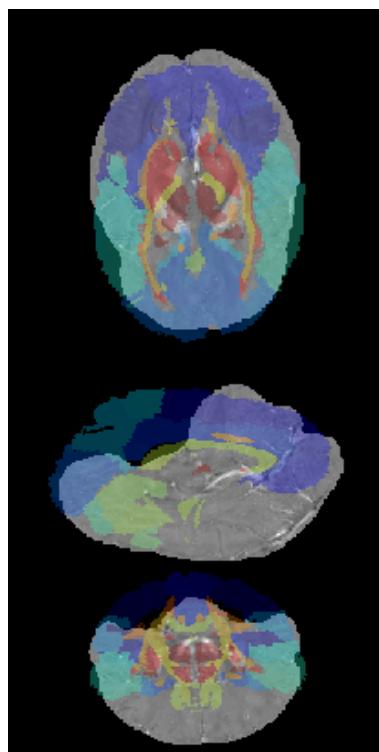
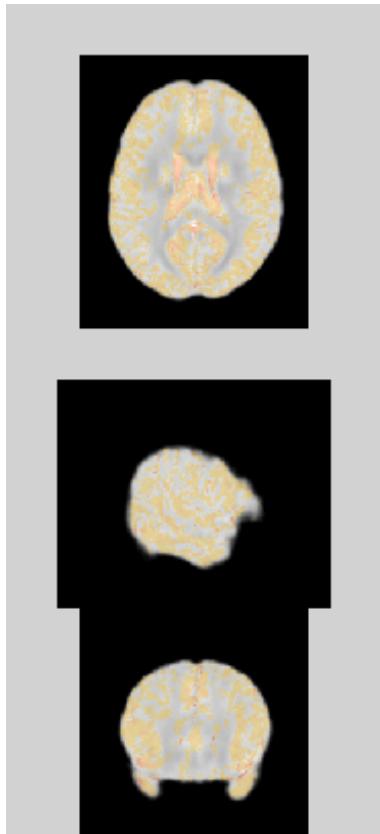


Figure 108: temp-010621-keep-for-

Figure 107: temp-010621-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

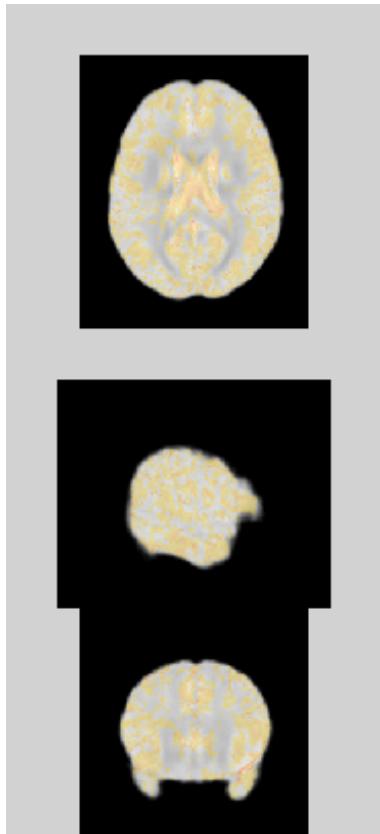
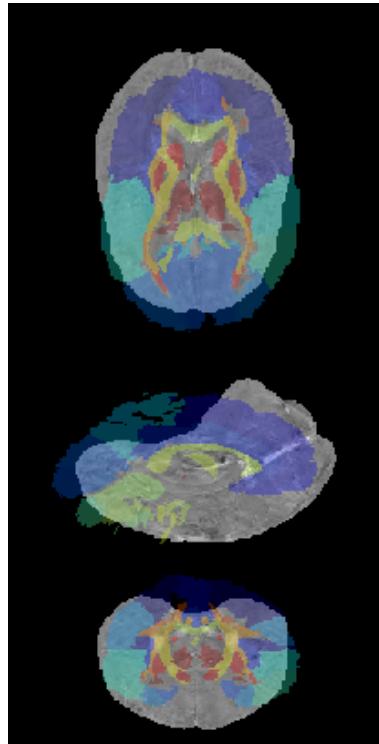


Figure 110: temp-021821-keep-for-

Figure 109: temp-021821-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj



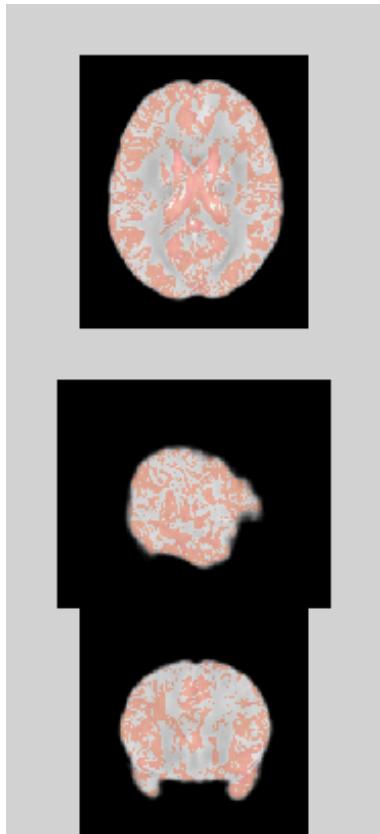
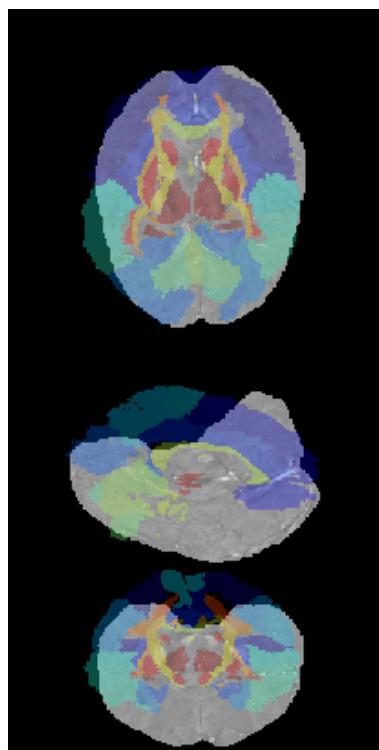


Figure 112: temp-022720-keep-for-

Figure 111: temp-022720-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj



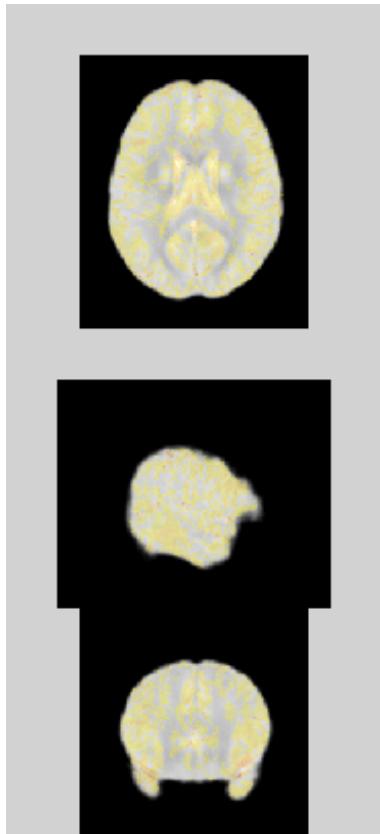
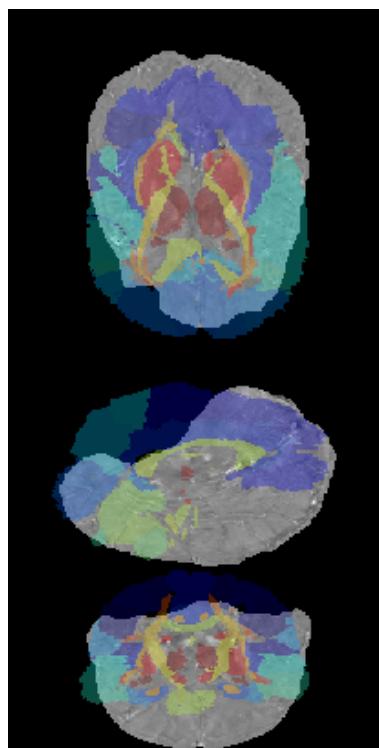


Figure 114: temp-041521a-keep-for-

Figure 113: temp-041521a-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj



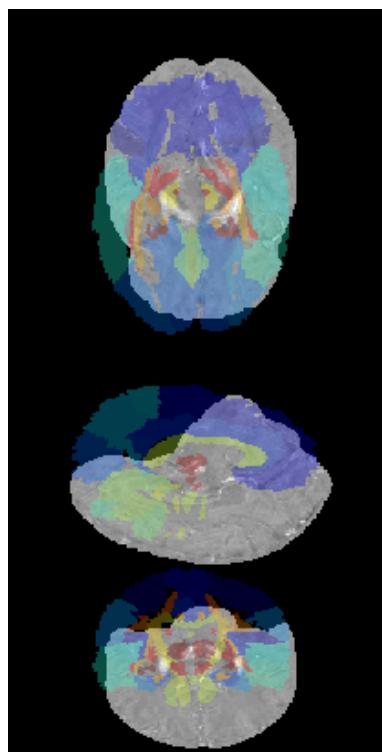
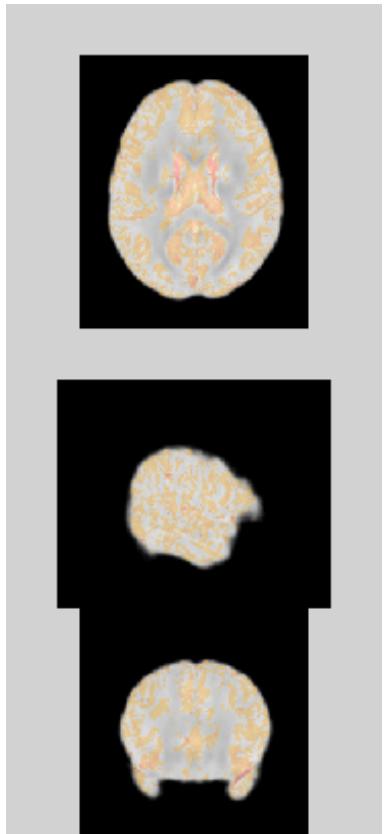


Figure 116: temp-041521b-keep-

Figure 115: temp-041521b-keep- for-archiving-QSMsubj-ROI

for-archiving-QSMatlas-subj

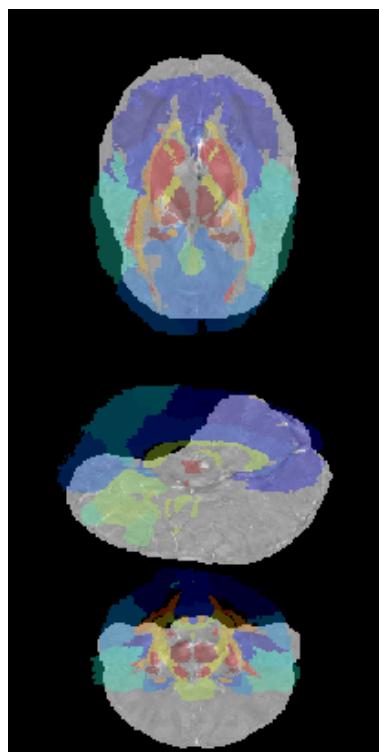
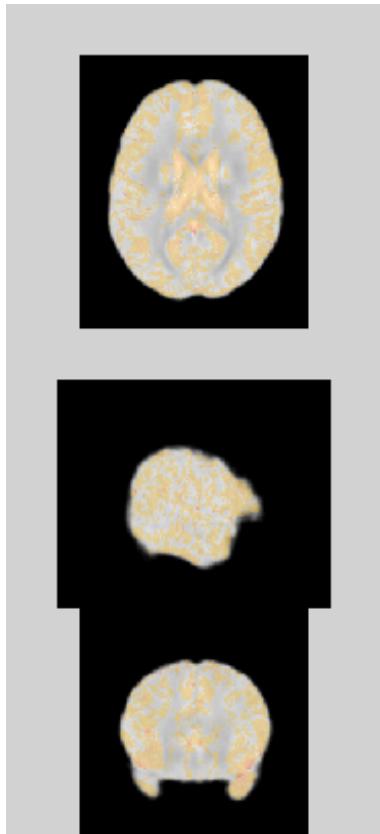


Figure 118: temp-042121a-keep-for-

Figure 117: temp-042121a-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

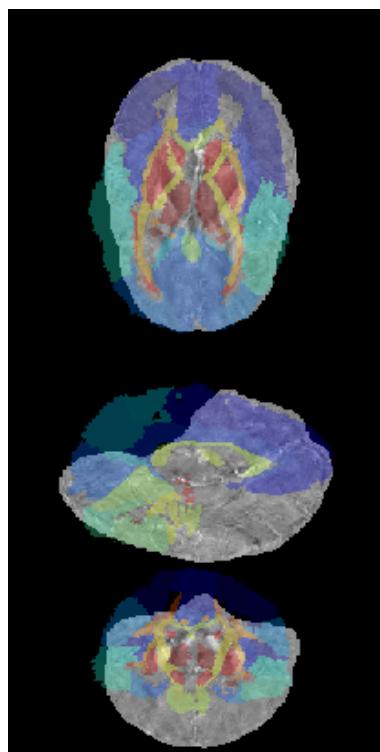
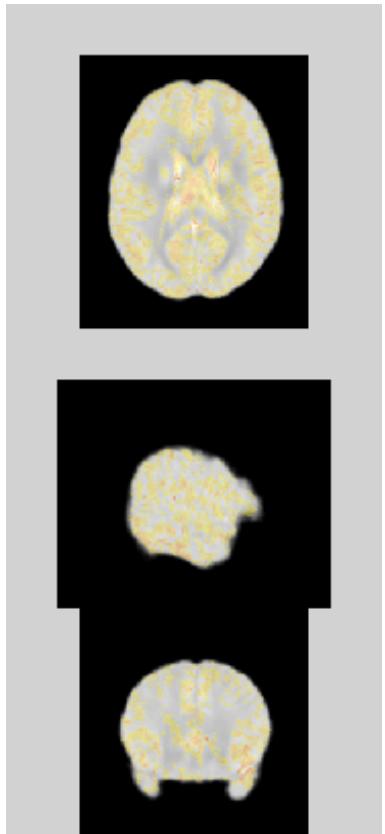


Figure 120: temp-042121b-keep-

Figure 119: temp-042121b-keep- for-archiving-QSMsubj-ROI

for-archiving-QSMatlas-subj

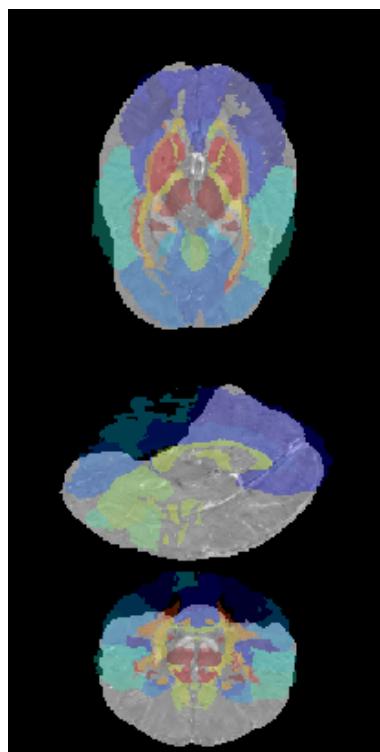
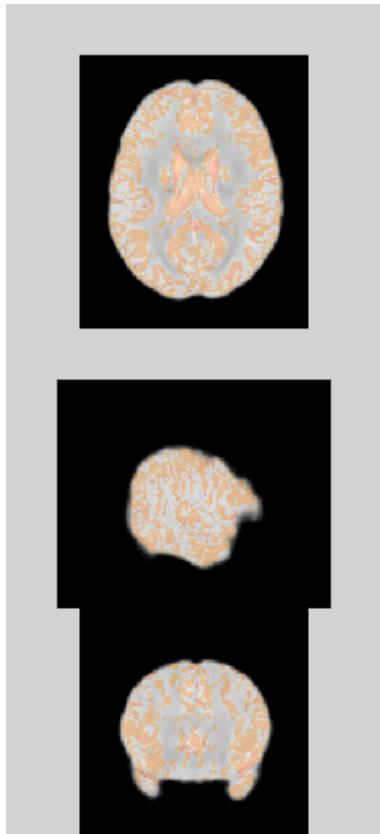


Figure 122: temp-051121-keep-for-

Figure 121: temp-051121-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

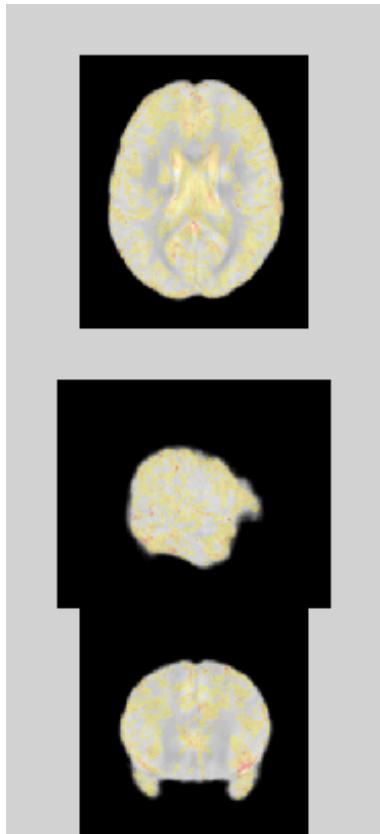


Figure 124: temp-052021-keep-for-

Figure 123: temp-052021-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

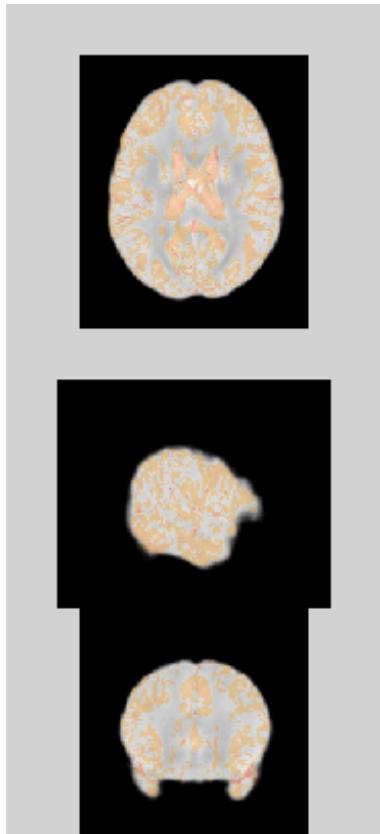
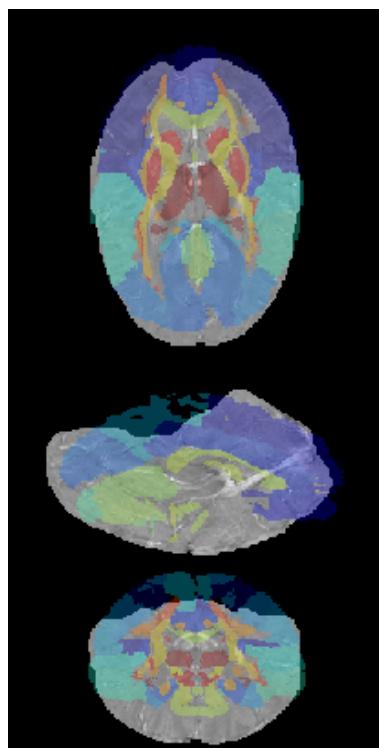


Figure 126: temp-052821-keep-for-

Figure 125: temp-052821-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj



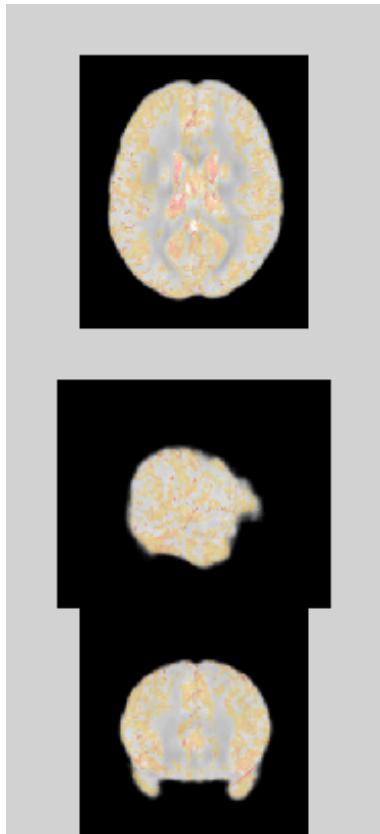


Figure 128: temp-060221-keep-for-

Figure 127: temp-060221-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

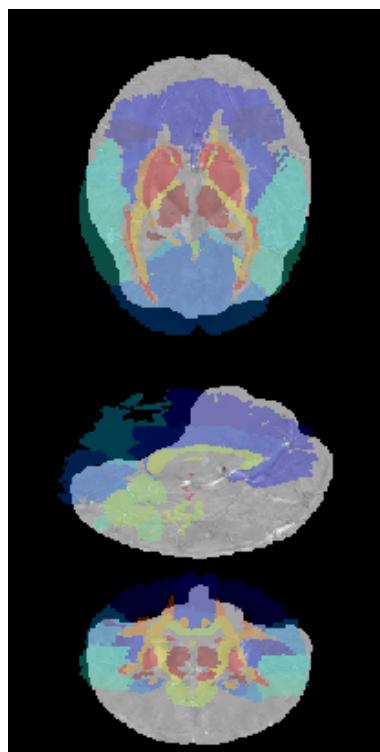
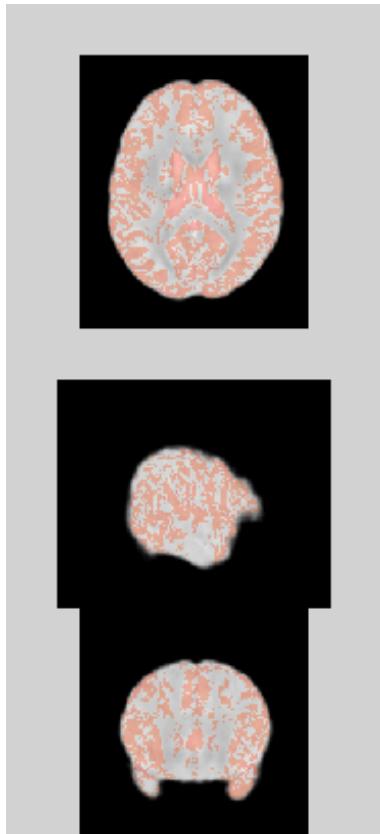


Figure 130: temp-060821-keep-for-

Figure 129: temp-060821-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

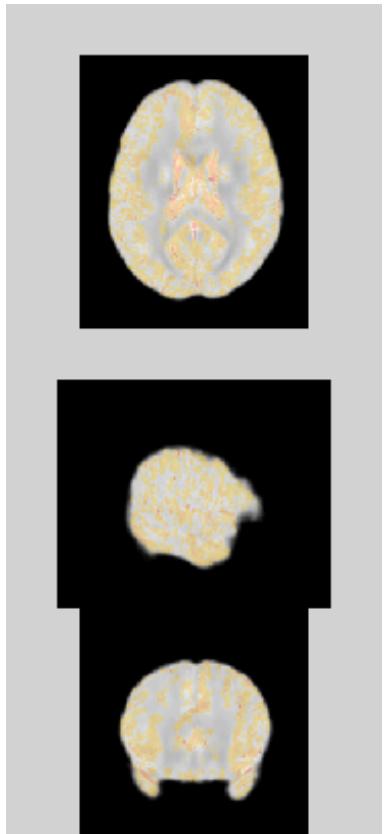
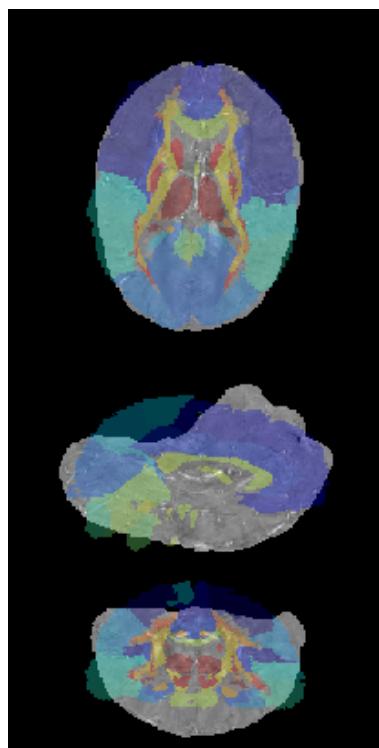


Figure 132: temp-060921-keep-for-

Figure 131: temp-060921-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj



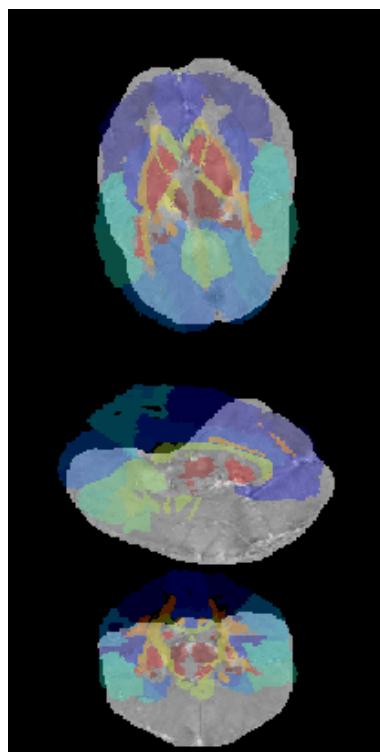
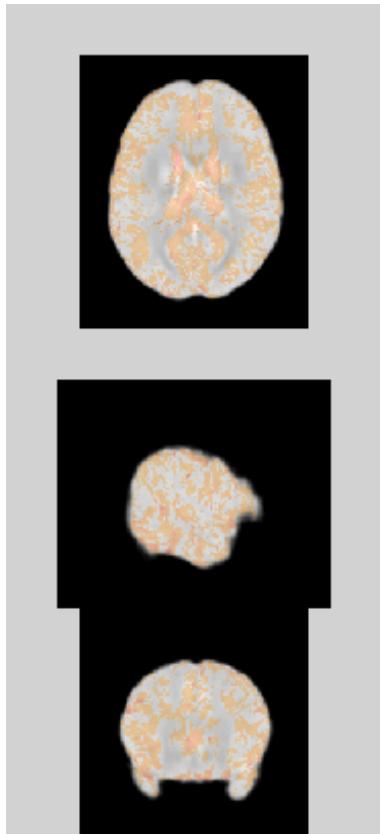


Figure 134: temp-062921-keep-for-

Figure 133: temp-062921-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

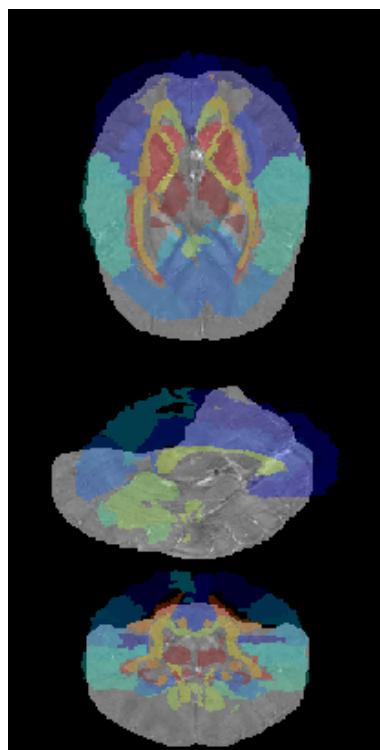
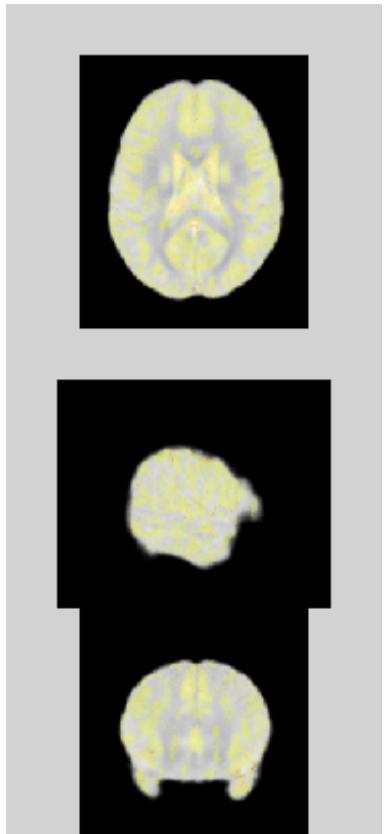


Figure 136: temp-071321-keep-

Figure 135: temp-071321-keep- t14795-QSMsubj-ROI

t14795-QSMatlas-subj

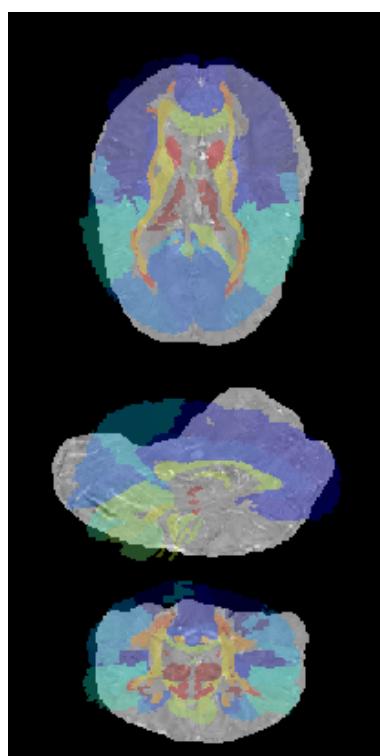
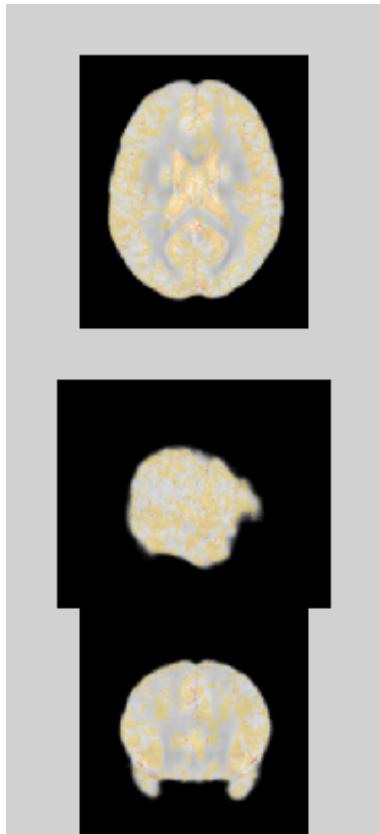


Figure 138: temp-072721-keep-will-

Figure 137: temp-072721-keep-will- be-b4996-for-archiving-QSMsubj-
be-b4996-for-archiving-QSMatlas- ROI
subj

```

46 %
47 % for ee = 1:length(examFolders)
48 % examPath = [subjPath '/examFolders(ee).name';
49 % if exist([examPath '/swan_qsm/HDBET_allQSM/Phi
50 %
51 % try
52 %
53 % exam_id = [subjFolders(ii).name '_' ee;
54 % regfile_root = [examPath '/swan_qsm/HDBET_allQSM/Phi
55 % mkdir(regfile_root);
56 %
57 % fprintf(' - Registering exam %s \n',
58 %
59 % if exist([regfile_root '/QSM_atlas_ROI
60 % reg_QSM([examPath '/swan_qsm/HDBET
61 %
62 catch
63 %!!! Something went wrong!
64 end
65 %
66 %
67 % save images for QC
68 QCFolder = [regfile_root '/QC_images'];
69 mkdir(QCfolder);
70 %
71 QSMname = [regfile_root '/QSM_shift.nii.gz

```

Figure 139: temp-073021-keep-for-archiving-QSMatlas-subj

```

46 %
47 % for ee = 1:length(examFolders)
48 % examPath = [subjPath '/examFolders(ee).name';
49 % if exist([examPath '/swan_qsm/HDBET_allQSM/Phi
50 %
51 % try
52 %
53 % exam_id = [subjFolders(ii).name '_' ee;
54 % regfile_root = [examPath '/swan_qsm/HDBET_allQSM/Phi
55 % mkdir(regfile_root);
56 %
57 % fprintf(' - Registering exam %s \n',
58 %
59 % if exist([regfile_root '/QSM_atlas_ROI
60 % reg_QSM([examPath '/swan_qsm/HDBET
61 %
62 catch
63 %!!! Something went wrong!
64 end
65 %
66 %
67 % save images for QC
68 QCFolder = [regfile_root '/QC_images'];
69 mkdir(QCfolder);
70 %
71 QSMname = [regfile_root '/QSM_shift.nii.gz

```

Figure 140: temp-073021-keep-for-archiving-QSMSubj-ROI

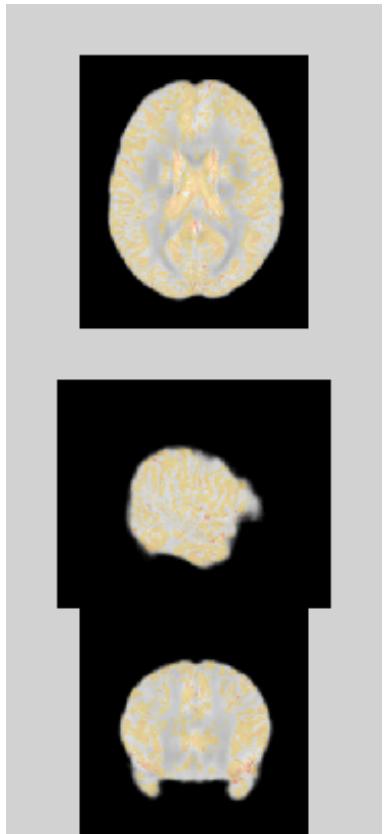
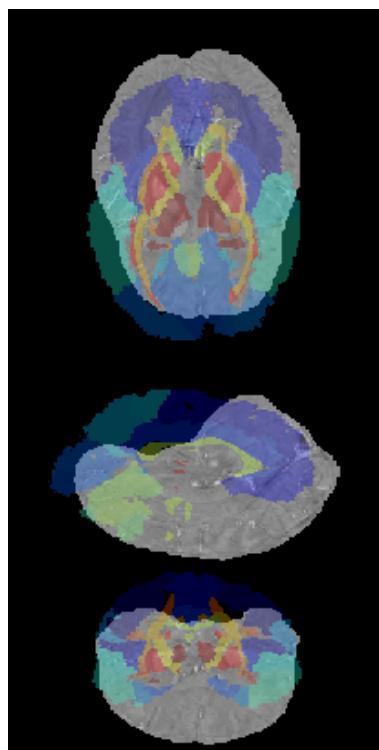


Figure 142: temp-080321-keep-for-

Figure 141: temp-080321-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj



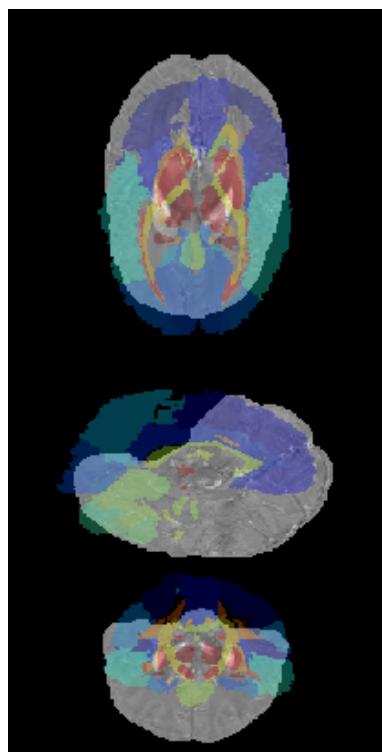
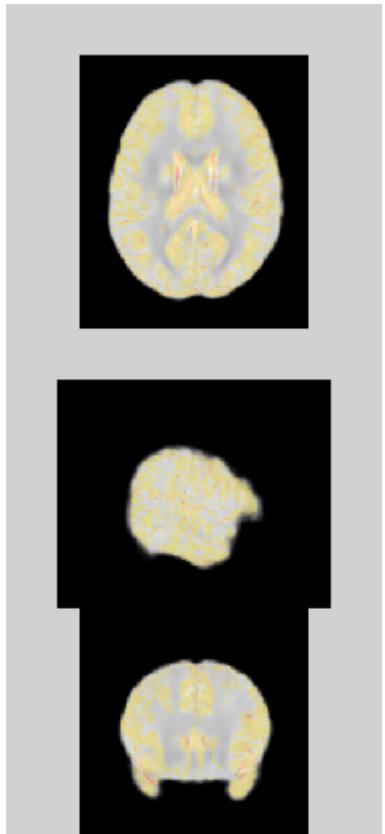


Figure 144: temp-091621-keep-for-

Figure 143: temp-091621-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

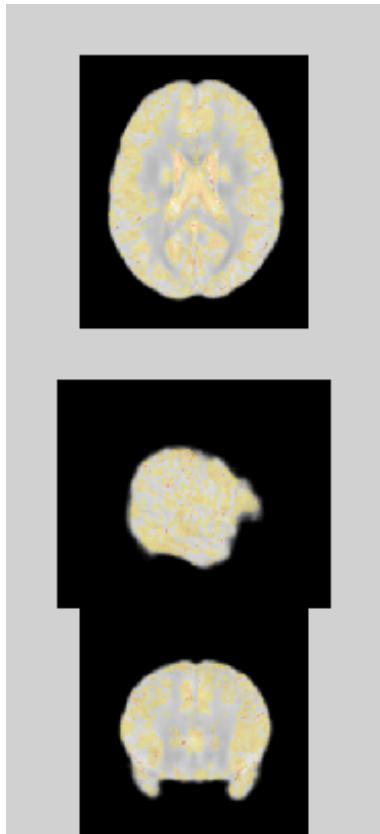
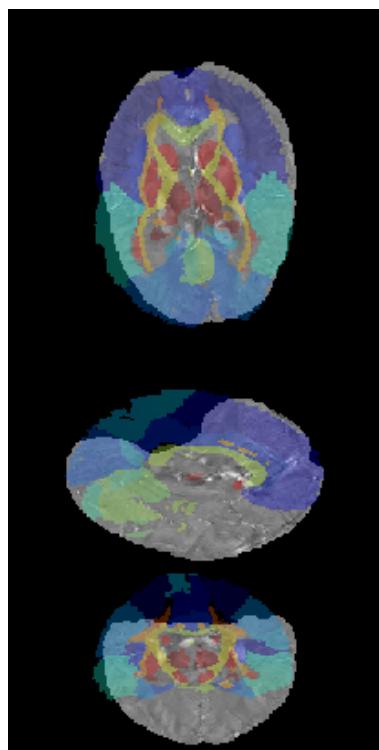


Figure 146: temp-091721-keep-for-

Figure 145: temp-091721-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj



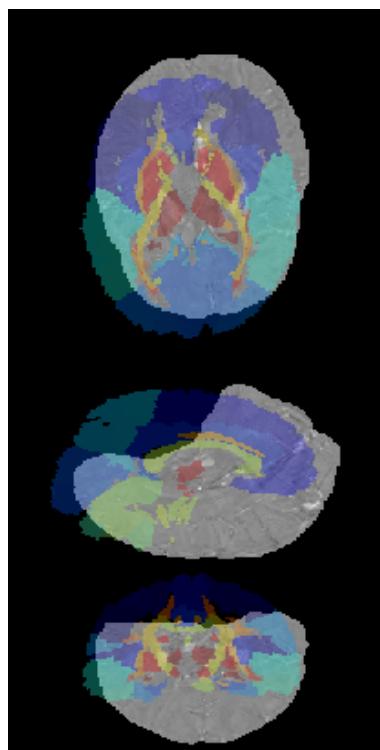
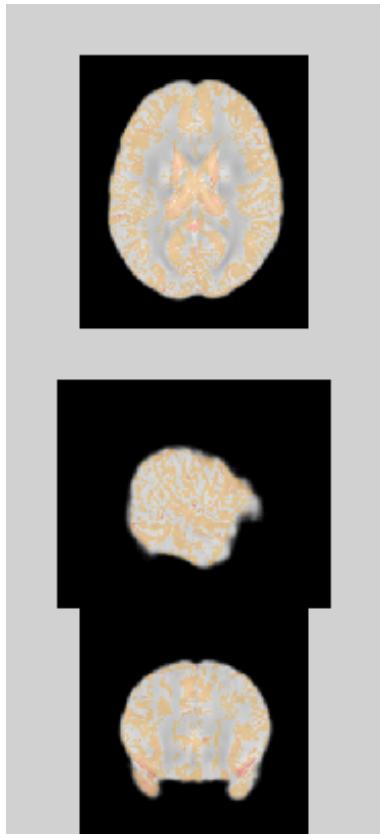


Figure 148: temp-092021-keep-for-

Figure 147: temp-092021-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

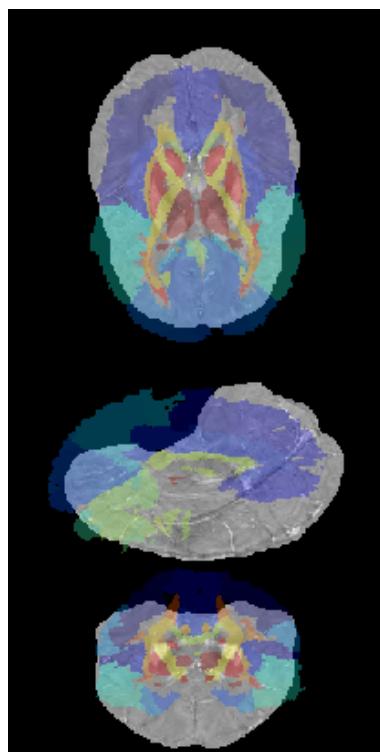
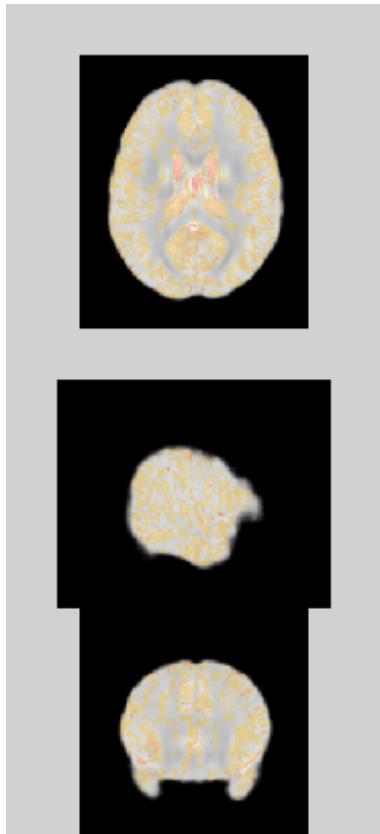


Figure 150: temp-092821-keep-for-

Figure 149: temp-092821-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

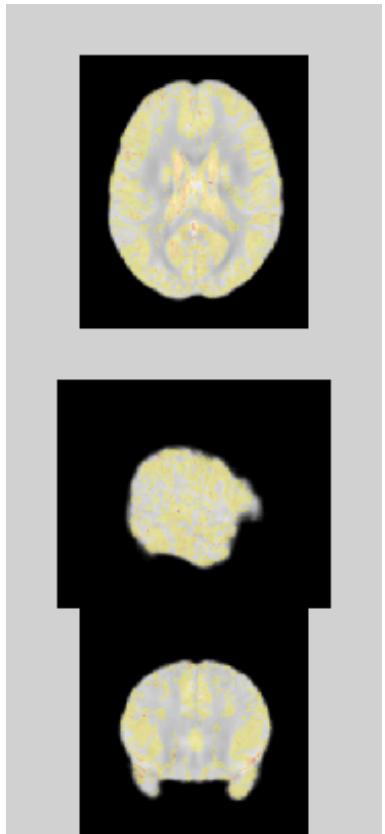
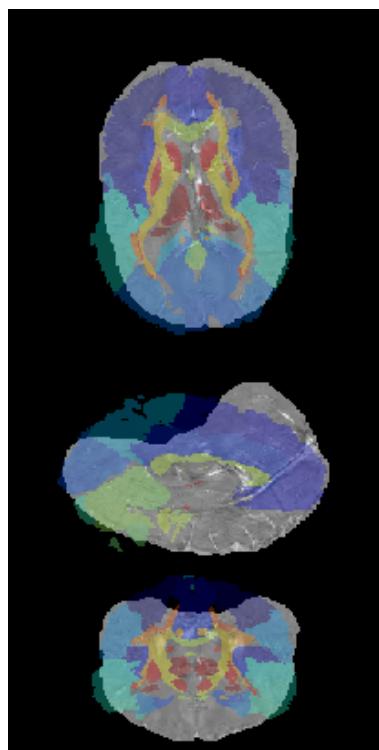


Figure 152: temp-092921-keep-for-

Figure 151: temp-092921-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj



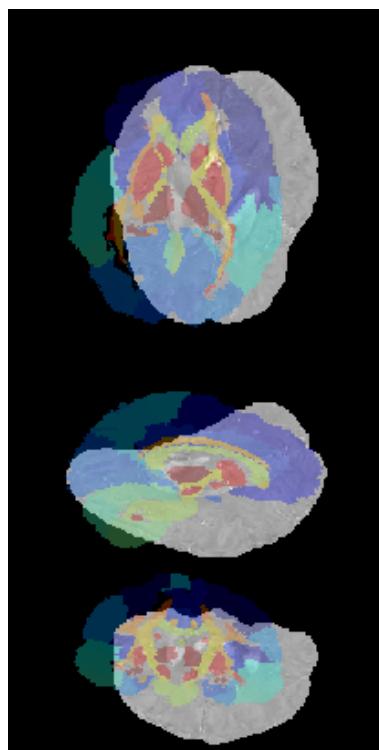
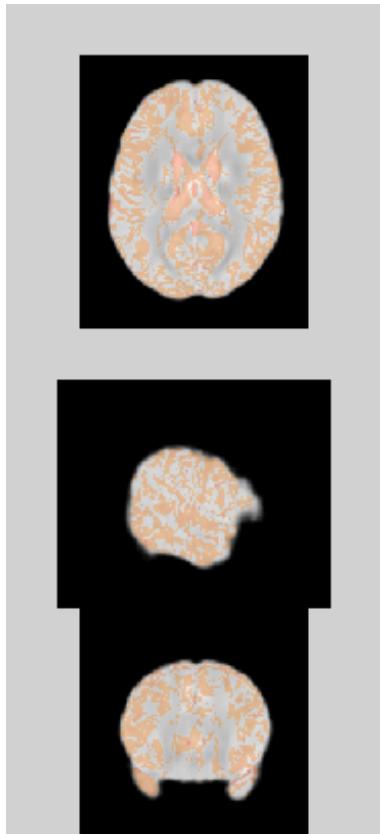


Figure 154: temp-100121-keep-for-

Figure 153: temp-100121-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

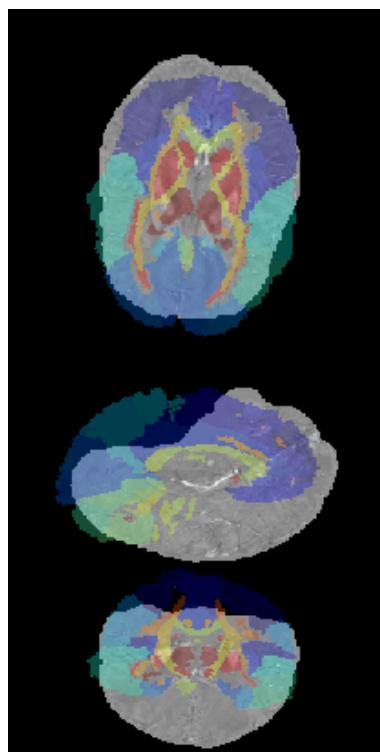
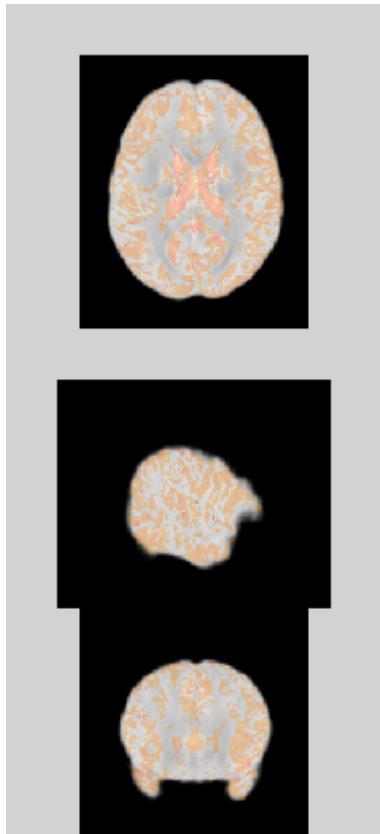


Figure 156: temp-100520-keep-for-

Figure 155: temp-100520-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

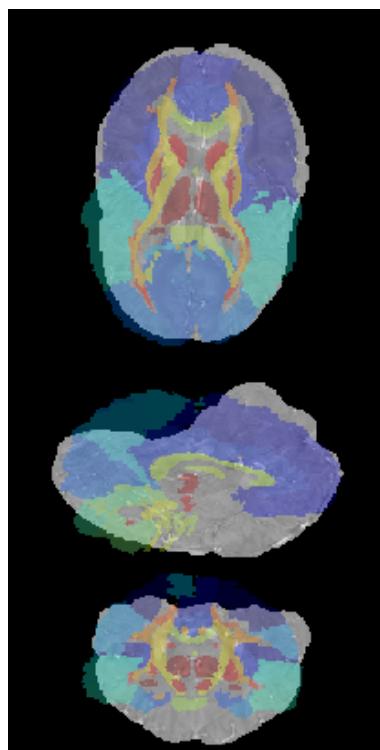
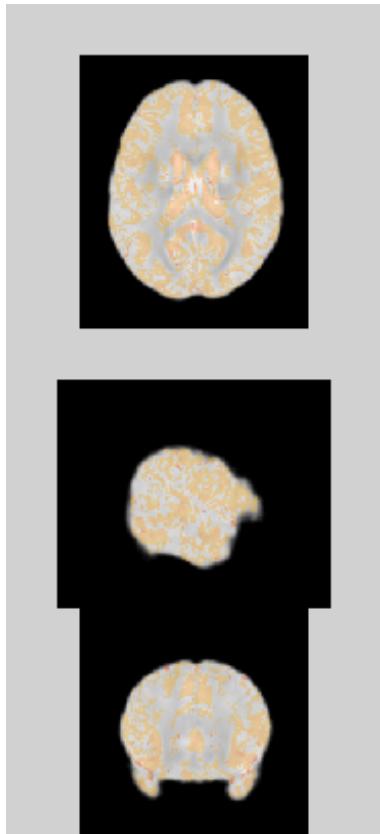


Figure 158: temp-100721-keep-for-

Figure 157: temp-100721-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

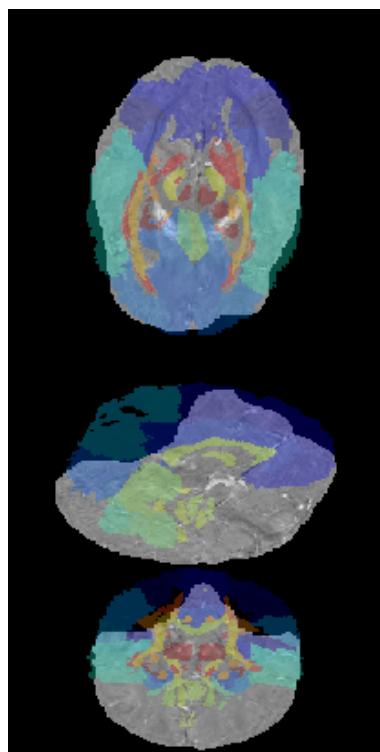
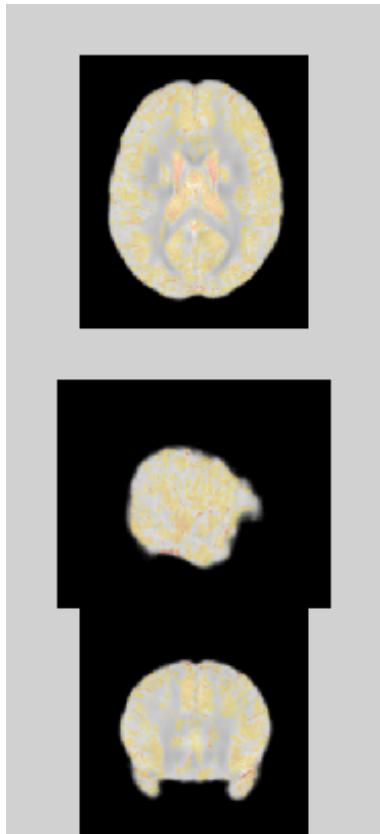


Figure 160: temp-102021-keep-for-

Figure 159: temp-102021-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

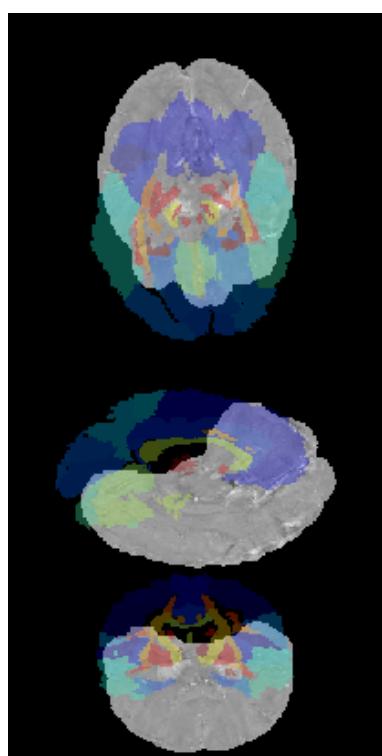
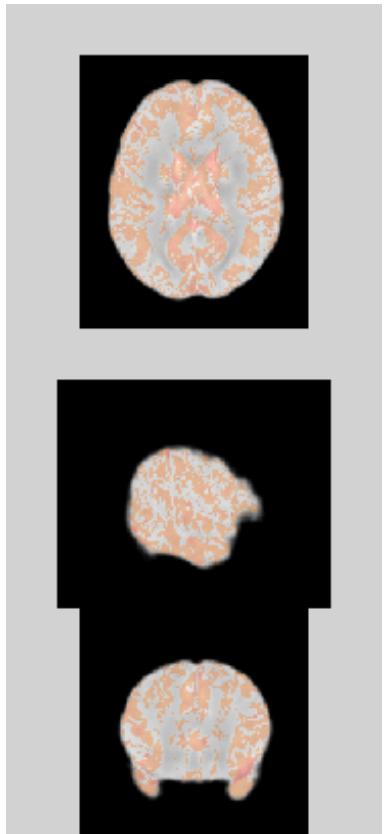


Figure 162: temp-110320-keep-for-

Figure 161: temp-110320-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

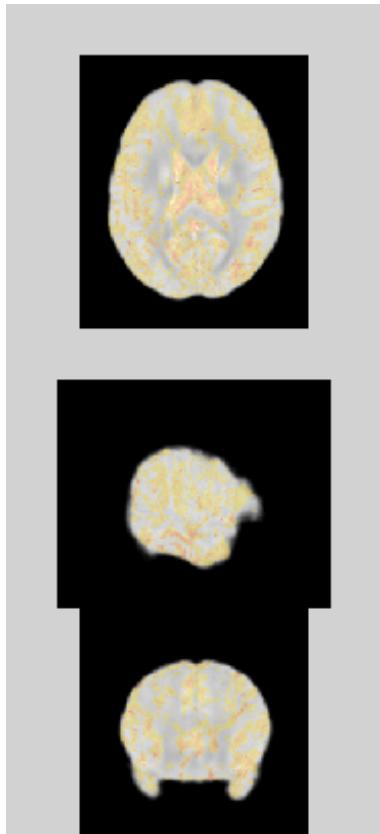
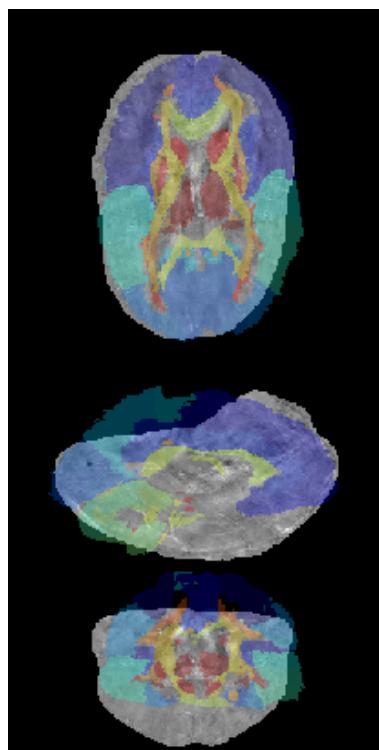


Figure 164: temp-110520-keep-for-

Figure 163: temp-110520-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj



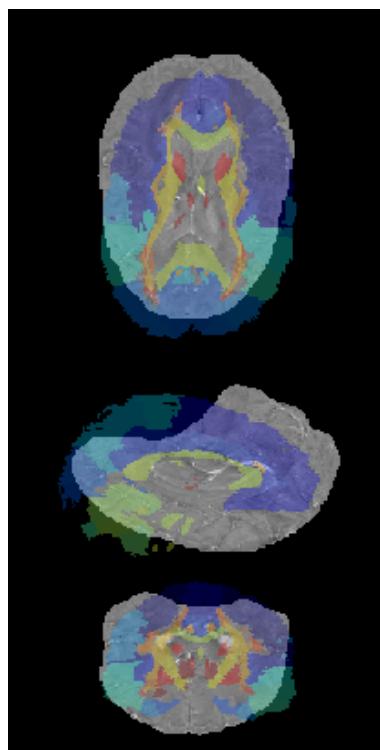
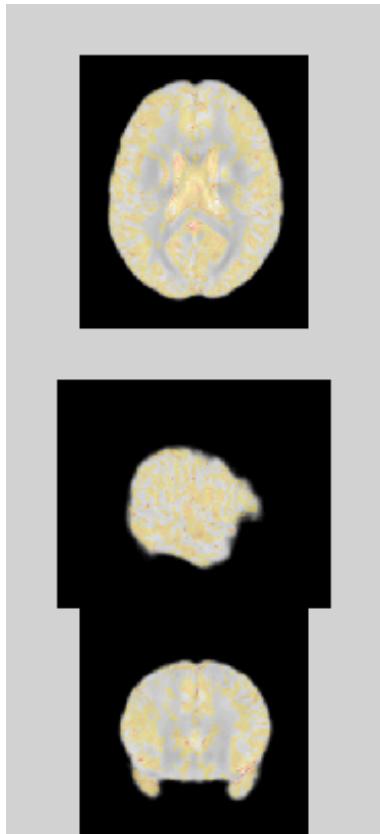


Figure 166: temp-112020-keep-for-

Figure 165: temp-112020-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj

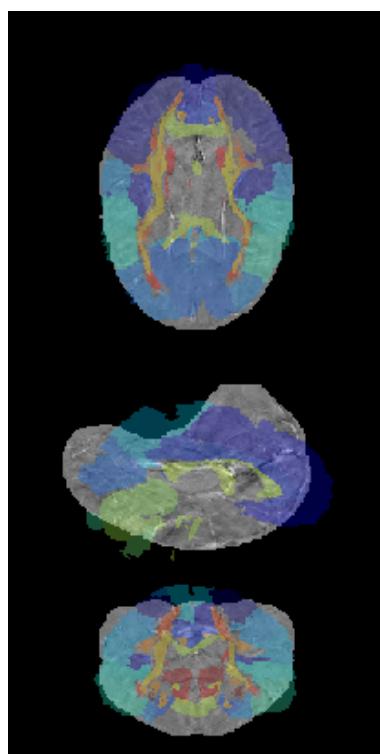
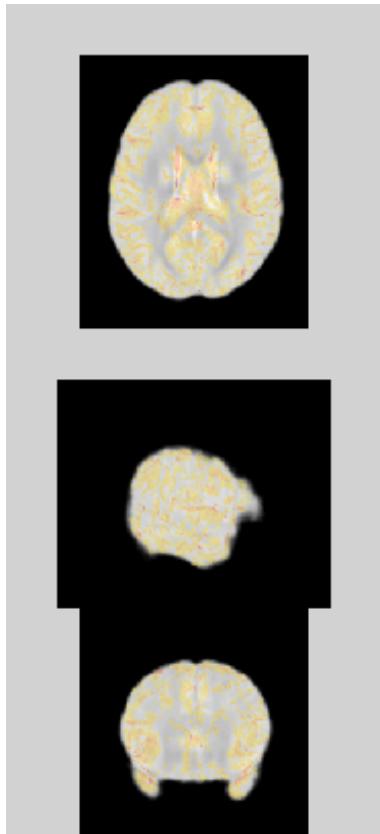


Figure 168: temp-121420-keep-for-

Figure 167: temp-121420-keep-for- archiving-QSMsubj-ROI

archiving-QSMatlas-subj